RESEARCH
at the University of Cyprus

FACULTY OF PURE AND APPLIED SCIENCES

Research Profile and Publications
2008-2010
This edition was produced by the Publications Office, International Relations and Promotion Sector of the Research and International Relations Service of the University of Cyprus under the supervision of the University’s Research Committee and the Vice-Rector of Academic Affairs, Professor Athanasios Gagatsis who chairs the Committee.

EDITOR-IN-CHIEF:
Gregory Makrides
Director of Research and International Relation Service

GENERAL EDITOR
Elena Avgoustidou-Kyriacou
Senior University Officer, International Relations and Promotion Sector
Research and International Relations Service

COORDINATING EDITOR
Corinna Kiliari
University Officer, Publications Office
International Relations and Promotion Sector
Research and International Relations Service

DESIGN / LAYOUT
Popi Palma Constantinou
Publications Office, International Relations and Promotion Sector
Research and International Relations Service

ISSN 1450-0574
Copyright©2012 University of Cyprus
RESEARCH PROFILE AND PUBLICATIONS
2008-2010

FACULTY OF PURE
AND APPLIED SCIENCES
CONTENTS

Introduction 5
Message from the Dean 6
Department of Biological Sciences 9
Department of Chemistry 31
Department of Computer Science 59
Department of Mathematics and Statistics 111
Department of Physics 141
Appendices 164
  Doctoral Titles 165
  Abbreviations 168
  Academic Staff Index 169
INTRODUCTION

This publication lists the research activity of the Faculty of Pure and Applied Sciences of the University of Cyprus undertaken in the years 2008-2010. This book presents information on each member of the Faculty’s academic staff who is directly or indirectly related to research, such as membership in professional societies, international organisations or editorial boards, and participation in research programmes. The internal research programmes which are listed in this publication have been approved by the Senate of the University of Cyprus.

Publications make up a sizeable part of the book and only published books, chapters and articles are included, while publications “in press” or “forthcoming” are not. The number of journal publications and conference proceedings is limited to a selection of best ten publications by each member of the academic staff.

Members of the academic staff are listed in alphabetic order within departments and the information outlined in all research profiles is based on electronic data received directly from members of the academic staff.

The book contains three appendices:

- Appendix I lists all the doctoral titles awarded by the Faculty of Pure and Applied Sciences in alphabetic order within the period 2008-2010.
- Appendix II presents a list of abbreviated terms listed in this publication.
- Appendix III lists an index of the academic staff of the Faculty of Pure and Applied Sciences in alphabetic order by surname.

For more information on the research activity of the Faculty of Pure and Applied Sciences, visit the University of Cyprus website at http://www.ucy.ac.cy/goto/puapsci/en-US/HOME.aspx.
Message from the Dean

Research, teaching, and cultural contribution form the pillars of the Faculty of Pure and Applied Sciences. In its 23 years of existence the Faculty of Pure and Applied Sciences has made significant achievements in these areas, and especially in the area of research. The research work carried out facilitated the recognition of our University internationally, with numerous awards of excellence. In parallel, growth has been achieved both with respect to the number of faculty members (currently 79), and in the number of Departments that has been increased from three to five (Biological Sciences, Mathematics and Statistics, Computer Science, Physics and Chemistry).

This volume covers the research profile and publications of the five Departments of the Faculty of Pure and Applied Sciences, the Oceanography Center, and the Molecular Medicine Research Center. A summary of the academic publications performance of the five Departments and the two Centers during the period 2008-2010, is as follows:

<table>
<thead>
<tr>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books (Authorship)</td>
</tr>
<tr>
<td>Books (Editing)</td>
</tr>
<tr>
<td>Chapters in Books</td>
</tr>
<tr>
<td>Selected Journal Publications</td>
</tr>
<tr>
<td>Selected Conference Proceedings</td>
</tr>
<tr>
<td>Distinguished Publications</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books (Authorship)</td>
</tr>
<tr>
<td>Books (Editing)</td>
</tr>
<tr>
<td>Chapters in Books</td>
</tr>
<tr>
<td>Selected Journal Publications</td>
</tr>
<tr>
<td>Selected Conference Proceedings</td>
</tr>
<tr>
<td>Distinguished Publications</td>
</tr>
</tbody>
</table>

The total number of research projects awarded to the Faculty was 307, with a total budget in excess of 35 million Euros. External funding was obtained primarily through the European Union and the Cyprus Research Promotion Foundation, whereas internal funding through the University state budget. The funding activity during the period 2008-2010 can be summarized as follows:

<table>
<thead>
<tr>
<th>No. of projects</th>
<th>Euros</th>
</tr>
</thead>
<tbody>
<tr>
<td>External Funding</td>
<td>289</td>
</tr>
<tr>
<td>Internal Funding</td>
<td>18</td>
</tr>
<tr>
<td>Total</td>
<td>307</td>
</tr>
<tr>
<td></td>
<td>33.954.462</td>
</tr>
<tr>
<td></td>
<td>1.397.357</td>
</tr>
<tr>
<td></td>
<td>35.351.819</td>
</tr>
</tbody>
</table>
Two patent applications were filed in by faculty members from the Department of Chemistry, one on the synthesis and anticancer properties of vitamin E by Dr. A. Keramidas, and one on deNOx catalytic technology by Dr. A.M. Efstathiou. Moreover, the University has signed a License Agreement with Linde Engineering AG (Germany) for the development of the novel deNOx technology.

All Departments have revised both their undergraduate and graduate programmes of study towards meeting the demanding science and technology needs of the 21st century. From 2008 to 2010, a total of 46 Ph.D. and 185 M.Sc. titles were awarded. Moreover, the number of enrolled Ph.D. and Master students for the period 2008-2010 was 393 and 541, respectively.

Our Faculty members offered a wide spectrum of activities to the community. These activities include, among many others, collaborations and consultancy with local industry, provision of expertise in Parliamentary Committees, and organization of National and International Olympiads, as well as of numerous workshops and seminars open to the public.

Our vision for the future is that our Faculty will continue to strengthen towards excellence in both research and teaching, and also to contribute to the advancement of basic science, technology, and culture.

Efstathios Paparoditis
Dean
Faculty of Pure and Applied Sciences

Department of Biological Sciences
Andreas Constantinou  
Professor

Constantinos Deltas  
Professor

Pantelis Georgiades  
Assistant Professor

Vasilis Promponas  
Lecturer

Alexander Kirschel  
Lecturer

Leontios G. Kostrikis  
Associate Professor

Antonis Kirmizis  
Assistant Professor

Niovi Santama  
Associate Professor

Paris Skourides  
Assistant Professor

Katerina Strati  
Lecturer
The Department of Biological Sciences, established in 2002, is research-oriented and our faculty actively pursues research in areas at the forefront of science. Currently, there are thirteen faculty members, three of whom joined the Department in 2005, and this number is expected to grow. The 21st century has been coined as the century of Biology. Major advances are taking place in fields such as Molecular Biology, Molecular Genetics, Embryology, Biotechnology and, after the decoding of the human genome, Bioinformatics.

The Department of Biological Sciences carries out important research activity in a wide range of fields in which major advances are currently taking place. These include Molecular Biology, Molecular Genetics, Embryology, Biotechnology, Bioinformatics and Biodiversity. Members of the Department cooperate and participate in research programmes with other Universities and Research Centres. All of our faculty members, whose research interests fall within the above fields, head their own laboratories. Specifically, the Laboratory of Cancer Biology and Chemoprevention is working to identify new molecular targets for antitumor drugs. The identification of natural food components that may prevent or delay the process of carcinogenesis is the main focus of the laboratory. The Molecular and Medical Genetics Laboratory is investigating inherited kidney disease and familial Mediterranean fever. The Laboratory of Biotechnology and Molecular Virology aims to understand the implications of viral and host determinants on the transmission and the progression of HIV-1 as well as the dynamics of cellular and viral drug-resistance in patients treated with antiretroviral therapy. The Laboratory of Molecular Biology and Biochemistry is focused on kinesin-like superfamily of microtubule-based motor proteins, including determining their role in neurodegenerative disease. The Cytomolecular Genetics and Embryology Laboratory investigates the still unexplained genetic and cellular basis of embryogenesis and embryo survival, with special focus on the influences of extra embryonic tissues and stem cell biology. The Laboratory of Developmental Biology and Bioimaging Technology studies the mechanisms underlying the formation of complex embryonic architecture and also explores applications of nanotechnology in the life sciences. The Bioinformatics Research Laboratory focuses on the elucidation of protein sequence to structure/function relationships through large-scale comparative analysis of genomic data. The research activities of the various laboratories are funded by the European Union and the Cyprus Research Promotion Foundation.

Members of our Department regularly organize international conferences and forums and are invited to present their research in international conferences as main or keynote speakers. Although the Department of Biological Sciences is new, it is very promising; its faculty members pursue cutting-edge research in the above areas of biology with applications in medicine. Consequently, research performed in the Department of Biological Sciences contributes to the improvement of human health and will also help the technological advancement of Cyprus.

Andreas Constantinou
Chairperson
ANDREAS CONSTANTINOU Professor
TEL.: 22892883, FAX: 22892881, E-mail: andreasc@ucy.ac.cy

■ STUDIES
National University of Athens, Greece, B.Sc. in Biology, 1975
University of Toledo, U.S.A., M.Sc. in Biology, 1980
Medical College of Ohio, U.S.A., Ph.D. in Biochemistry, 1985

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
American Association for Cancer Research, U.S.A.

■ EDITORIAL BOARDS
Nutrition and Cancer: An International Journal (Associate Editor), U.S.A., Routledge • In Vivo (Member), Greece, International Institute of Anticancer Research

■ RESEARCH INTERESTS
Role of Nutrition in Carcinogenesis; Cancer Chemoprevention; Interactions between Botanicals and Drugs; Molecular Targets of Antitumor Drugs; Phytoestrogens and Selective Estrogen Receptor Modulators (SERMs)

■ EXTERNAL RESEARCH PROGRAMMES
A6 Integrin Cleavage as a Therapeutic Target for Prostate Cancer Funding: INTERBLOCK, European Commission

A Semantic Social Collaborative Working Space Linking Biomedical Researchers, Knowledge and Data for the Design and Execution of In-Silico Experiments in Cancer Chemoprevention (GRANATUM) Cooperating Organizations: Fraunhofer Institute for applied Information Technology, Germany; Foundation for Research and Technology – Hellas / Biomedical Research Institute, Greece; Centre for Research and Technology Hellas, Greece; German Cancer Research Centre, Germany; National University of Ireland Galway – Digital Enterprise Research Institute, Ireland; Illinois Institute of Technology Research Institute, U.S.A. Funding: FP7-ICT-2009-6, European Commission

Chromatin Remodeling Cooperating Organization: Demokritos, Greece Funding: RPF, Cyprus

Indirubin in Prostate Cancer Metastasis (PENEK) Cooperating Organizations: Kapodistrian University of Athens, Greece; Academy of Athens (IIBEA), Greece Funding: RPF, Cyprus

Molecular Mechanism by Tamoxifen and Equol Funding: RPF, Cyprus
Identification and Functional Characterization of Novel Genes involved in Breast Cancer Metastasis
Cooperating Organization: Boston University School of Medicine, U.S.A.
Funding: RPF, Cyprus

Synergistic Activity of Natural Antioxidants in the Prevention and Therapy of Prostate Cancer
Cooperating Organization: Yasoo Inc, U.S.A. & Cyprus
Funding: RPF, Cyprus

Therapeutic Antiinflammatory Substances in Chronic Inflammatory Disease
Cooperating Organization: Yasoo Inc, U.S.A. & Cyprus
Funding: RPF, Cyprus

Development of Nutraceutical Product for the Treatment of Inflammatory Bowel Disease
Cooperating Organization: Yasoo Inc, U.S.A. & Cyprus
Funding: RPF, Cyprus

Identification of New Medicinal Plants for Cancer Chemoprevention and Treatment
Cooperating Organization: Gr. T. Popa University, Romania
Funding: RPF, Cyprus

Blocking Cleavage of A6 Integrin by uPA
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


**DISTINGUISHED PUBLICATIONS**


**CONSTANTINOS DELTAS** Professor
TEL.: 22892882, E-mail: deltas@ucy.ac.cy

**STUDIES**

National and Kapodistrian University of Athens, Greece, B.Sc. in Pharmacy, 1982
Rutgers, The State University of New Jersey, U.S.A., Ph.D., 1988
Thomas Jefferson University, Jefferson Institute of Molecular Medicine, Phila, PA, U.S.A.
Instructor in Medicine, 1990
Duke University Medical Center, Durham, NC, U.S.A. Research Fellow, 1991

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**

Greek Society of Medical Geneticists, Greece • Cyprus Biological Society, Cyprus • Hellenic Society of Nephrology, Greece • Cyprus Society of Human Genetics, Cyprus • Hellenic College of Nephrology and Hypertension, Greece • European Society of Human Genetics (ESHG) • American Society of Nephrology, U.S.A.
EDITORIAL BOARDS

HIPPOKRATIA (Member of Advisory Committee), Greece, Hippokratio General Hospital of Thessaloniki, PubMed, Scopus • BMC Research Notes (Associate Editor), U.K., BioMed Central Ltd, covered by PubMed, Scopus and Google Scholar

RESEARCH INTERESTS

Inherited Kidney Diseases and Other Monogenic Disorders; Chronic Kidney Disease; Diabetic Nephropathy; Applications of Molecular Medical Diagnostics; Molecular Epidemiology and Genetic Map of Cyprus

EXTERNAL RESEARCH PROGRAMMES

Renal Tubular Epithelial Cells of a Transgenic Rat as a Cellular Model for Therapy of Polycystic Kidney Disease
Cooperating Organization: Medical Research Centre, Klinikum Mannheim, University of Heidelberg, Germany
Funding: RPF, Cyprus

Murine Models for Polycystic Kidney Disease. The Role of Epithelial-mesenchymal Abnormalities in Disease Development
Cooperating Organization: University of Crete, Greece
Funding: RPF, Cyprus

Functional Study of Molecular Pathomechanisms underlying Glomerular Basement Membrane Pathology in Mice and in Cellulo
Cooperating Organization: Medical Research Centre, Klinikum Mannheim, University of Heidelberg, Germany
Funding: RPF, Cyprus

Development and Application of a Molecular Method for Diagnosis-Prognosis of Inherited Glomerulopathies
Cooperating Organizations: Medical Services of the Ministry of Health, Cyprus; University of Crete, Greece; Aristotle University of Thessaloniki, Greece; Medical Research Centre, Klinikum Mannheim, University of Heidelberg, Germany
Funding: RPF, Cyprus

The Role of MicroRNAs (miRNA) in the Development of Polycystic Kidney Disease
Cooperating Organization: Medical Research Centre, Klinikum, University of Heidelberg, Germany
Funding: RPF, Cyprus

Creation of a Kidney Specific Biobank and Infrastructure for Genomics/proteomics Research
Cooperating Organizations: Medical Services of the Ministry of Health, Cyprus; Medical Research Centre, Klinikum Mannheim, University of Heidelberg, Germany; Biomedical Research Foundation of the Academy of Athens, Greece
Funding: RPF, Cyprus
COST Action
Cooperating Organizations: 20 European Countries and third countries (FYROM, Turkey, and others)
Funding: RPF, Cyprus

PUBLICATIONS

- SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


PANTELIS GEORGIADES Assistant Professor
TEL.: 22892888, FAX: 22892881, E-mail: pgeor@ucy.ac.cy

STUDIES

Queen Mary, University of London, U.K., B.Sc. in Molecular Biology, 1992
UCL, University of London, U.K., Ph.D. in Developmental Biology, 1996
University of Cambridge, U.K., Post-Doctorate in Developmental Genetics, 2001
University of Toronto/Mount Sinai Hospital, Canada, Post-Doctorate in Developmental Genetics, 2005

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

British Society for Developmental Biology, U.K.

RESEARCH INTERESTS

Stem Cell Biology/Regenerative BioMedicine; Embryology/Pregnancy Complications/Embryo viability; Developmental Biology; Developmental Genetics/Functional Genomics/Epigenetics; Molecular Embryology

INTERNAL RESEARCH PROGRAMMES (University of Cyprus)

New roles for the trophoblast in embryo gastrulation: A genetic and embryological study using Ets2 gene knockout and wildtype mouse embryos
EXTERNAL RESEARCH PROGRAMMES

Novel functions for trophoblast in mouse early gastrulation
Funding: RPF, Cyprus

Investigation of Ets2 gene function in trophoblast development using trophoblast stem cells and Ets2 mutant mouse embryos
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


VASILIS PROMPONAS Lecturer
TEL.: 22892879, FAX: 22892881, E-mail: vprobon@ucy.ac.cy

STUDIES

University of Athens, Greece, B.Sc. in Physics, 1997
University of Athens, Greece, Ph.D. in Biological Sciences, 2004

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

International Society for Computational Biology, U.S.A. (Member) • Hellenic Society for Computational Biology and Bioinformatics, Greece (Board Member) • Mikrobiokosmos, Greece (Member)
EDITORIAL BOARDS

*PloS One* (Academic Editor), U.S.A., Public Library of Science • *ISRN Bioinformatics* (Member), Egypt and U.S.A., International Scholarly Research Network-Hindawi Publishing Corporation • *International Journal of Computational Intelligence in Bioinformatics and Systems Biology* (Guest Editor), Switzerland, Inderscience Publishers • *International Journal of BioSciences and Technology* (Member), India, IJBST Journal Index

RESEARCH INTERESTS

Membrane Protein Topology-Structure Prediction; Low Complexity, Compositionally Biased Regions; Sequence Database Search; Computational Comparative Genomics; Computational Synthetic/Systems Biology

EXTERNAL RESEARCH PROGRAMMES

Development of Novel Computational Genomics Web Services and Methods for the Analysis of Low Complexity Regions in Amino Acid Sequences (PENEK)
Funding: RPF, Cyprus

Development of an Integrated Computer System for Text Mining Biomedical Databases (HEALTH)
Cooperating Organization: University of Crete, Greece
Funding: RPF, Cyprus

Development of a Prototype Computer-aided System for Semi-automatically Identifying Key Species of the Marine Benthic Macrofauna of Cyprus (AEIFORIA)
Cooperating Organizations: Department of Fisheries and Marine Research, Cyprus; Democritus University of Thrace, Greece
Funding: RPF, Cyprus

Development of a Novel Bioinformatics Method for Recognizing Neighboring in Space Transmembrane α-helices in Polytopic Transmembrane Proteins by Information Encoded in their Amino Acid Sequence (Bilateral Greece/Cyprus)
Cooperating Organization: University of Athens, Greece
Funding: RPF, Cyprus

Developing of Novel and Efficient Second-Order Learning and Optimisation Techniques for Protein Structure Prediction (ORIZO)
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

Cy-Tera High Performance Computing Facility for Cyprus
Cooperating Organizations: Cyprus Institute (Coordinator) and external collaborators
Funding: RPF, Cyprus
PUBLICATIONS

■ CHAPTERS IN BOOKS

■ SELECTED JOURNAL PUBLICATIONS

■ SELECTED CONFERENCE PROCEEDINGS

■ DISTINGUISHED PUBLICATIONS
ALEXANDER KIRSCHEL  Lecturer
TEL.: 22892660, FAX: 22892881, E-mail: kirschel.alexander@ucy.ac.cy

STUDIES
University College London, U.K., B.Sc. in Economics, 1997
University College London, U.K., M.Sc. in Built Environment, 1998
University of California, Los Angeles, U.S.A., Ph.D. in Biology, 2008

RESEARCH INTERESTS
Ecology; Evolution; Animal Behaviour; Ornithology; Biodiversity Conservation

EDITORIAL BOARDS
Biodiversity & Conservation (Associate Editor) Germany, Springer

EXTERNAL RESEARCH PROGRAMMES
Marie Curie Reintegration Grant
Funding: FP7, European Commission, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS

SELECTED CONFERENCE PROCEEDINGS
LEONTIOS G. KOSTRIKIS Associate Professor
TEL.: 22892885, FAX: 22892893, E-mail: lkostrik@ucy.ac.cy

■ STUDIES
New York University, U.S.A., B.A. in Biochemistry, 1987
New York University, U.S.A., M.Sc. in Biochemistry, 1989
New York University, U.S.A., M.Ph. in Philosophy, 1990
New York University, U.S.A., Ph.D. in Biochemistry, 1993

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
The New York Academy of Sciences, U.S.A. (Member) • The American Association for the
Advancement of Science, U.S.A. (Member) • European Biosafety Association, E.U.
(Member) • Marie Curie Fellow Association, European Commission (Member) •
International AIDS Society, U.S.A. (Member) • European Federation of Biotechnology, E.U.
(Member) • American Society for Microbiology, U.S.A.

■ EDITORIAL BOARDS
Dataset Papers in Medicine (Genetic Section), Germany, Hindawi Publishing Cooperation •
The Scientific World Journal (Member), Germany, Hindawi Publishing Corporation • World
Journal of Critical Infectious Diseases (Member), Hong Kong, Baishideng Publishing Group
• Current HIV Research (Member), The Netherlands, Bentham Science Publishers

■ RESEARCH INTERESTS
Molecular Epidemiology of HIV-1 and HCV; Biotechnology of Nucleic Acids; Molecular
Diagnostics; Drug Design and Discovery; Vaccine Development

■ INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
Molecular Epidemiology of Human Immunodeficiency Virus Type-1 (HIV-1) Infection in
Cyprus: Phylogenetic Distribution, Spread of Drug Resistance and Implications of HIV-1
‘Minor- Drug Resistant Variants’ on Antiretroviral Treatment

■ EXTERNAL RESEARCH PROGRAMMES
Coordination Action, European Cohort Coordinating Network on HIV Drug Resistance
(EuroHIVResistance)
Funding: FP6, European Commission
Research and Development Award, Development of New Technologies for the Detection
of Emerging and Re-emerging Infectious Agents
Funding: Birch Biomedical Research LLC, U.S.A.
Technological Development and Innovation. Genetic Studies of HCV Isoaltes from
Intravenous Drug Users
Funding: RPF, Cyprus
Determination of Resistance to Antiretroviral Drugs and Prediction of Tropism in HIV-1 Strains from Patients in Cyprus
Funding: RPF, Cyprus

Implications of HCV Diversity on Disease Progression
Funding: RPF, Cyprus

Evaluation of HIV-1 Proviral Load as a Prognostic Marker of Clinical Progression in Patients Receiving Highly Active Antiretroviral Therapy
Cooperating Organization: University of Milan, Italy
Funding: RPF, Cyprus

PATENTS
Kostrikis, L. G. Birch Biomedical Research LLC, USA. Multi-Allelic Molecular Detection of SARS-Associated Coronavirus, U.S. Patent 7,709,188 (May 4, 2010)

PUBLICATIONS
SELECTED JOURNAL PUBLICATIONS


**DISTINGUISHED PUBLICATIONS**


**ANTONIS KIRMIZIS** Assistant Professor
TEL.: 22892678, FAX: 22895337, E-mail: kirmizis@ucy.ac.cy

**STUDIES**

Lawrence University, U.S.A., B.A., 1995-1999
University of Wisconsin-Madison, U.S.A., Ph.D., 1999 - 2004
University of Cambridge, U.K., Postdoc, 2004-2009

**RESEARCH INTERESTS**

Cancer; Epigenetics; Chromatin Biology; Control of Gene expression

**EXTERNAL RESEARCH PROGRAMMES**

ERC Starting grant- Functional and regulatory protein networks of chromatin modifying enzymes
Funding: FP7, European Commission

Health and Biological Sciences - Transcriptional control by arginine methylation of the tumour suppressor p53
Funding: RPF, Cyprus
PUBLICATIONS

■ SELECTED JOURNAL PUBLICATIONS

■ DISTINGUISHED PUBLICATIONS

NIOVI SANTAMA Associate Professor
TEL.: 22392757, FAX: 22892881, E-mail: santama@ucy.ac.cy

■ STUDIES
University of Athens, Greece, Degree in Biology, 1987
University of Sussex, U.K., M.Sc. in Genetic Manipulation and Molecular Biology, 1988
University of Sussex, U.K., Ph.D. in Neuroscience, 1992

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
European Molecular Biology Conference)-intergovernmental organization (EMBC), Germany, National Delegate of Cyprus • EMBO Young Investigator Award Programme, Germany, National Contact Point of Cyprus • European Molecular Biology Laboratory (EMBL), Germany, Alumni Association Board (Elected Vice Chair)

■ RESEARCH INTERESTS
Motor Proteins and the Cytoskeleton; Centrosomes and ciliogenesis in mammalian cells; Neurodegenerative Disease in Humans; RNA Metabolism and Nuclear Architecture

■ EXTERNAL RESEARCH PROGRAMMES
Investigating the mechanism that regulates Centrosome Duplication in Mammalian Cells
Cooperating Organization: Institute of Molecular Biology and Biotechnology, Crete
Funding: RPF, Cyprus
Functional Characterisation of the Protein Nubp1 in Centrosome Duplication
Cooperating Organization: European Molecular Biology Laboratory (EMBL)
Funding: RPF, Cyprus

Protein Complexes of CINAP: composite molecular targets for the understanding of human disease
Cooperating Organizations: Welcome Trust Biocentre at the University of Dundee, U.K.; The National Hellenic Research Fundation, Greece; Pharmaceutical Company Remedica, Cyprus
Funding: RPF, Cyprus

The centrosomes in Cancer
Cooperating Organization: Institute of Molecular Biology and Biotechnology, Crete
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


PARIS SKOURIDES Assistant Professor
TEL.: 22892895, FAX: 22892881, E-mail: skourip@ucy.ac.cy

STUDIES
Brandeis University, U.S.A., B.A. in Biochemistry, 1997
The Rockefeller University, U.S.A., Ph.D. in Biology, 2004

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Society for Developmental Biology, U.S.A.

RESEARCH INTERESTS
Developmental Biology; Nano-Biotechnology; Biological Imaging

EXTERNAL RESEARCH PROGRAMMES
Colloid and Interface Chemistry for Nanotechnology
Cooperating organizations: University of Oslo, Norway; Universidad de Granada, Spain;
University of Manchester, U.K.; Polish Academy of Sciences, Poland
Funding: COST ACTION D43, European Commission

Developing Nonometer-Scale Semiconductor Crystallite based in Vivo and in Vitro Biological Applications
Cooperating Organizations: The Rockefeller University, U.S.A.; Polish Academy of Sciences, Poland; University of Sao Paulo, Brazil
Funding: RPF, Cyprus

Development of a New Methodology for in Vivo, inducible and site-specific conjugation of Quantum Dots to proteins and functional applications
Cooperating Organizations: The Rockefeller University, U.S.A.; CNRS-ESPCI, France
Funding: RPF, Cyprus

Early Toxicological Testing of Compound Library with the use of FETAX
Cooperating Organization: University of Sao Paulo, Brazil
Funding: RPF, Cyprus

Evaluation of Total Toxicity of effluents from several waste water treatment stations and major water sources of Cyprus using Xenopus laevis as a model organism
Cooperating Organizations: Imperial College, U.K.; A.CH. Enviro-Consult Ltd, Cyprus
Funding: RPF, Cyprus

Addressing the Molecular Basis of Morphogenetic Movements during Xenopus Gastrulation with the use of Quantum Dot nanocrystals
Cooperating Organizations: The Rockefeller University, U.S.A; University of Sao Paulo, Brazil
Funding: RPF, Cyprus
PUBLICATIONS

■ SELECTED JOURNAL PUBLICATIONS

■ SELECTED CONFERENCE PROCEEDINGS

■ DISTINGUISHED PUBLICATIONS

KATERINA STRATI Lecturer
TEL.: 22892884, FAX: 22892881, E-mail: strati.katerina@ucy.ac.cy

■ STUDIES
University of Wisconsin at Madison, U.S.A., Ph.D., 2007

■ RESEARCH INTERESTS
Human papillomavirus; Pluripotent cells; Telomeres and telomerase

■ INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
Examining the role of telomeres and telomerase in the onset and progression of HPV-related cancers
EXTERNAL RESEARCH PROGRAMMES

Modulation of the DNA Damage Response by Human Papillomavirus E7
Cooperating Organisation: National Cancer Centre, Japan
Funding: RPF, Cyprus.

PUBLICATIONS

CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


Faculty of Pure and Applied Sciences

Department of Chemistry
Nikos Chronakis  
*Assistant Professor*

Angelos M. Efstatiou  
*Professor*

Sophia C. Hayes  
*Lecturer*

Constantina P. Kapnisi-Christodoulou  
*Lecturer*

Anastasios D. Keramidas  
*Assistant Professor*

Panayiotis A. Koutentis  
*Associate Professor*

Epameinondas B. Leontidis  
*Professor*

Athanasios Nicolaides  
*Associate Professor*

Ioannis Pashalides  
*Associate Professor*

Costas S. Patrickios  
*Professor*

Efthychia Pinakoulaki  
*Lecturer*

Anastasios Tasiopoulos  
*Assistant Professor*

Charis R. Theocharis  
*Professor*
The Department of Chemistry was established in 2000, although from 1992-2000 the Department functioned as a Sector in the Department of Natural Sciences. At present, the Department has 14 faculty members, 11 postdoctoral researchers, four technicians, one IT Assistant, two secretaries and one Accounting Officer. There are 199 undergraduate students and 76 graduate students currently enrolled; of these 36 are Ph.D. students--which is the largest Ph.D. programme in the University of Cyprus. To date, 41 Ph.D. and 37 M.Sc. students have graduated from the Department. The ten research and three teaching laboratories of the Department are fully equipped; the instruments, valued at approximately 5 million euros, include: a single-crystal X-ray diffractometer, powder XRD, multinuclear 300 and 500 MHz NMR, a MALDI TOF-TOF, among others. During the last five years, the academic staff of the Department has published more than 373 papers in refereed international journals and has registered three patents. This research is supported by various funding organizations, including the European Union, the Cyprus Research Promotion Foundation, and local industry. For the period 2005-2010, the Department received approximately 8.3 million euros in funding for its research programmes.

The Chemistry Department is also involved in programmes related to matters concerning Cypriot society as described below:

1. The Department collaborates with local industry and other local bodies in areas of mutual interest, carrying out applied research directed to their specific needs.

2. The Department provides consultancy services to local industry.

3. The Department organizes conferences in Cyprus with the participation of scientists from around the world.

4. Members of the Department have participated actively in the successful preparation of Greek Cypriot students in International Chemistry Olympiads and have appeared in front of Parliamentary Committees to offer expert technical advice.

Athanasios Nicolaides
Chairperson
NIKOS CHRONAKIS  Assistant Professor  
TEL.: 22892781, FAX: 22892801, E-mail: nchronak@ucy.ac.cy

■ STUDIES
University of Crete, Greece, B.Sc. in Chemistry, 1994
University of Crete, Greece, Ph.D. in Organic Chemistry, 2000

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Association of Greek Chemists, Greece • European Association for Chemical and 
Molecular Sciences (EuCheMS) (Member and Representative of the EuCheMS Organic 
Division for Cyprus)

■ RESEARCH INTERESTS
Synthesis of novel multi-adducts of fullerene C_{60} utilizing the tether-directed remote 
functionalization method; Synthesis of enantiomerically pure bis- and trisadducts of C_{60} 
with C_2- and C_3-symmetrical inherently chiral addition patterns. Study of their behavior in 
chiral photosensitization and chiral recognition; Synthesis of helically chiral [60] fullerene 
polymers; Synthesis and characterization of enantiomerically pure macrocyclic oligo-
malonate tethers

■ INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
Design and Synthesis of Novel [60] Fullerene Helically Chiral Polymers

■ EXTERNAL RESEARCH PROGRAMMES
Synthesis of Optically Active Fullerene Derivatives: A Study in Chiral Photosensitization 
Cooperating Organizations: Institute of Organic Chemistry, University of Erlangen-
Nürnberg, Germany; University of Crete, Greece; Aegis Pharmaceutical Company, Cyprus 
Funding: RPF, Cyprus
Synthesis, Characterization and Catalytic Activity of Inherently Chiral Fullerene 
Derivatives 
Cooperating Organizations: Institute of Organic Chemistry, University of Erlangen-
Nürnberg, Germany; University of Crete, Greece; Aegis Pharmaceutical Company, Cyprus 
Funding: RPF, Cyprus
The First Molecular [60] Fullerene Capsule: Design and Synthesis via the Supramolecular 
Approach 
Cooperating Organizations: Institute of Organic Chemistry, University of Erlangen-
Nürnberg, Germany; University of Crete, Greece 
Funding: RPF, Cyprus
The First Three-dimensional Covalent Organic Fullerene Framework Consisted of Chiral 
Cubic Building Units 
Funding: RPF, Cyprus
Mass and NMR Spectroscopic Measurements in Organic and Biological Chemistry
Funding: RPF, Cyprus

PUBLICATIONS

- **SELECTED JOURNAL PUBLICATIONS**

**ANGELOS M. EFSTATHIOU**  
Professor  
TEL.: 22892776, FAX: 22892801, E-mail: efstath@ucy.ac.cy

- **STUDIES**
  National Technical University of Athens, Greece, B.Sc. in Chemical Engineering, 1981  
  University of Connecticut, U.S.A., M.Sc. in Chemical Engineering, 1985  
  University of Connecticut, U.S.A., Ph.D. in Chemical Engineering, 1989

- **PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS**
  Hellenic Catalysis Society, Greece (Member of Board) • European Federation of Catalysis Societies (EFCATS), Brussels (Member of Board)

- **RESEARCH INTERESTS**
  Development of Novel Catalytic Materials; In Situ Catalyst Surface Characterisation; Environmental Catalysis - Air De-pollution Technologies; Mechanistic Studies - Use of Operando Techniques; Modelling of Transient Kinetic Experiments

- **EDITORIAL BOARDS**
  *The Open Environmental Engineering Journal* (Member), U.S.A., Bentham Science Publishers • *Recent Patents in Materials Science* (Member), U.S.A., Bentham Science Publishers

- **INTERNAL RESEARCH PROGRAMMES (University of Cyprus)**
  An in-depth Investigation of Catalytic Applications of Novel Carbon Nanotube-Supported Metal Catalysts: The Case of H2 Lean de-NOx and Tar Steam Reforming Reactions
### EXTERNAL RESEARCH PROGRAMMES

**Commercialization of H2-SCR of NOx – Patent Exploitation**
Cooperating Organization: Linde Engineering AG, Germany
Funding: Linde AG, University of Cyprus

**Biomass Fluidised Bed Gasification within-situ Hot Gas Cleaning**
Cooperating Organizations: ZSW, Germany; ICEHT/FORTH, Greece; Technical University of Vienna, Austria; University of Stuttgart, Germany; Paul Scherrer Institute, Switzerland; Biomasse-Kraftwerk Gussing, Austria; GE Jenbacher, Germany; Institute for Energy Technology, Norway
Funding: FP6, European Commission

**Mobile Laboratory for Environmental Pollution Measurements and Emission Control Systems Evaluation**
Cooperating Organizations: CERTH/CPERI, Greece; National Research Council of Italy/Instituto Motori, Italy
Funding: FP6, European Commission

**Studying the Transient Oxygen Storage and Release Properties of Various Commercial Ceria- and Zirconia-based Materials Towards TWC Applications**
Cooperating Organization: MEL-Chemicals, U.K.
Funding: MEL-Chemicals, U.K.

**Experimental and Theoretical Mechanistic Studies of the Water Gas-Shift Reaction**
Cooperating Organizations: CSIC-ICP, Spain; University of California Los Angeles, U.S.A.
Funding: RPF, Cyprus

**Development of a Molecular Spectroscopy Laboratory**
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

**Processing of Biomass Gasification**
Cooperating Organization: Institute for Thermal Power Equipment, Bucharest & Romania
Funding: RPF, Cyprus

**Chameleon-like Adoptive Nanocomposite Catalytic Materials for the Optimization of Low-Temperature Water-Gas Shift Reaction (LT-WGS)**
Cooperating Organizations: Demokritos, Greece; CSIC-ICP, Spain
Funding: RPF, Cyprus

**Synthesis of Novel Catalytic Materials for Low-Temperature WGS Reaction**
Cooperating Organizations: University of Cincinatti, U.S.A.; CSIC-ICP, Spain
Funding: RPF, Cyprus

**Development and Studies of New Materials Towards Tar Steam Reforming for Hydrogen Production**
Cooperating Organizations: Demokritos, Greece; CSIC-ICP, Spain
Funding: RPF, Cyprus
Development of a Novel Method for the Elongation of Life Time of Deactivated Three-Way Catalytic Converter
Cooperating Organizations: CSIC-ICP, Spain; STELCO, Cyprus; University of Athens, Greece
Funding: RPF, Cyprus

Development and Demonstration of a Novel Technology for an Integrated After Treatment of Ship Flue Gas Streams
Cooperating Organizations: Cyprus University of Technology, Cyprus; eMedi8 Digital Solutions Ltd, Cyprus; Proplan Ltd, Cyprus; S.M.E.C. Marine & Engineering Co. Ltd, Cyprus
Funding: RPF, Cyprus

Establishment of the Infrastructure for Time-Resolved Step-Scan Fourier Transform Infrared Spectroscopy
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

Hydrogen Production via Catalytic Steam Reforming of Bio-Oil Derived from Biomass Gasification
Cooperating Organization: Aristotle University of Thessaloniki, Greece
Funding: RPF, Cyprus

Development of New Materials for Low-Temperature Industrial NOx Control Catalytic Technology Applications Using H2/CO and H2/HC Gas Mixtures as Reducing Agents
Cooperating Organization: University of Bucharest, Romania
Funding: RPF, Cyprus

PATENTS
Efstathiou, A. M., Costa, C. N., & Fierro, J. L. G. Catalyst Containing Platinum on a Support Consisting of Magnesium Oxide and Cerium Oxide for the Reduction of NO to N2 with Hydrogen under NOx Oxidation Conditions, European Patent No. 1 475 149 B1 (May 21, 2008)


PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


DISTINGUISHED PUBLICATIONS


SOPHIA C. HAYES Lecturer
TEL.: 22892769, FAX: 22892801, E-mail: shayes@ucy.ac.cy

■ STUDIES
Luther College, U.S.A., B.A. in Chemistry and Art, 1996
University of Washington, U.S.A., Ph.D. in Physical Chemistry, 2001

■ PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS
American Chemical Society, U.S.A. • Pancyprian Union of Greek Chemists, Cyprus

■ RESEARCH INTERESTS
Protein Folding and Aggregation Mechanism; Photochemistry of Small Halogen-Containing Molecules; Photophysics of Semiconducting Conjugated Polymers

■ EXTERNAL RESEARCH PROGRAMMES
Spectroscopic Study of the Mechanism of Amyloid Fibril Formation
Funding: RPF, Cyprus
Solution-Phase Halooxide Photochemistry
Cooperating Organizations: CNRS, France; University of Paris-Sud, France
Funding: RPF, Cyprus
Benzo[1,2,4]triazinones: Inhibitors of β-Amyloid Aggregation – New Leads for the fight Against Alzheimer’s Disease
Cooperating Organizations: University of Bari, Italy; Novamechanics Ltd, Cyprus
Funding: RPF, Cyprus
Chameleon-like Adaptive Nanocomposite Catalytic Materials for Optimization of Low Temperature Water Gas Shift Reaction (LT-WGS)
Funding: RPF, Cyprus
Establishment of the Infrastructure for Time-Resolved Step-Scan Fourier Transform Infrared Spectroscopy
Funding: RPF, Cyprus
Solution-Phase Halooxide Photochemistry
Cooperating Organizations: CNRS, France; University of Paris-Sud, France
Funding: RPF, Cyprus
Development of the Infrastructure of a Molecular Spectroscopy Laboratory
Funding: RPF, Cyprus
PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


CONSTANTINA P. KAPNISSI - CHRISTODOULOU Lecturer

TEL.: 22892774, FAX: 22892801, E-mail: ckapni1@ucy.ac.cy

STUDIES

University of Cyprus, Cyprus, B.Sc. in Chemistry, 1999
Louisiana State University, U.S.A., Ph.D. in Analytical Chemistry, 2004

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

American Chemical Society (ACS), U.S.A. • Pancyprian Union of Chemists, Cyprus • Division of Analytical Chemistry of the European Association for Chemical and Molecular Sciences (DAC–EuCheMS), Europe (Cyprus Representative)

RESEARCH INTERESTS

Development of Electrophoretic, Chromatographic and Electrochromatographic Methods for Improved Achiral and Chiral Separations of Various Classes of Analytes; Use of the Hyphenated Technique Capillary Electrophoresis-mass Spectrometry (CE-MS) for the Separation, Detection and Quantitation of Various Classes of Analytes; Application of the Optimum Separation Conditions in Biological, Natural and Food Samples; Determination of the Most Effective Sample Pre-treatment Methods; Synthesis, Characterization and Use of Chiral Ionic Liquids in Capillary Electrophoresis for Improved Separations and Better Efficiencies; Imaging of Individual Amyloid Plaques for the
Diagnosis of Alzheimer’s Disease using Near-field Third-harmonic-generation (THG) Microscopy

**EXTERNAL RESEARCH PROGRAMMES**

Enantioselective Analysis Using Microsensors and Micellar Electrokinetic Capillary Chromatography for Compounds of Clinical Importance  
Cooperating Organization: National Institute of Research for Electrochemistry and Condensed Matter, Romania  
Funding: RPF, Cyprus

Chiral and Achiral Separations Using Capillary Electrochromatography (CEC)/Mass Spectrometry (MS) and Micellar Electrokinetic Chromatography (MEKC)  
Funding: RPF, Cyprus

Separation of Aminoacids and Cholinesterase Inhibitors by Use of Chromatography and Capillary Electrochromatography  
Cooperating Organizations: University of Extremadura, Spain; The Cyprus Institute of Neurology and Genetics, Cyprus  
Funding: RPF, Cyprus

**PATENTS**


**PUBLICATIONS**

**JOURNAL PUBLICATIONS**


---

**ANASTASIOS D. KERAMIDAS** Assistant Professor  
TEL.: 22892764, FAX: 22892801, E-mail: akeramid@ucy.ac.cy

**STUDIES**

University of Ioannina, Greece, B.Sc. in Chemistry, 1988  
University of Ioannina, Greece, Ph.D. in Chemistry, 1992

**PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS**

American Chemical Society, U.S.A. • Green Chemistry Network, U.K.
RESEARCH INTERESTS
Inorganic and Bioinorganic Chemistry; Mechanisms of Inorganic Reactions; Structural Characterisation of Inorganic Compounds in Solution; Synthesis of Molecules with Electrocatalytic and Photochemical Properties; Pharmaceutical Inorganic Chemistry

EDITORIAL BOARDS
*Bionorganic Chemistry and Applications* (Associate Editor), International, Hindawi

EXTERNAL RESEARCH PROGRAMMES
Molecular Tracers of the Antineoplastic Chromanol-ester Activity
Cooperating Organizations: EPOS-Iasis, Europe; R&D Biomedical Research, Greece
Funding: RPF, Cyprus

Novel Vitamin E-Biphosphonates: A New Therapeutic Approach targeting Bone Loss associated with Osteoporosis and Bone Related Malignancies
Cooperating Organizations: Cyprus University of Technology, Cyprus; University of Adelaide, South Australia; EPOS-Iasis, Europe; R&D Biomedical Research, Greece
Funding: RPF, Cyprus

Photocatalytic preparation of hydrogen peroxide from redox active metal-organic complexes
Cooperating Organization: University of Patras, Greece
Funding: RPF, Cyprus

New methods for the assessment of food quality and authenticity by EPR
Cooperating Organization: Cyprus University of Technology, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS
SELECTED JOURNAL PUBLICATIONS


**SELECTED CONFERENCE PROCEEDINGS**


**DISTINGUISHED PUBLICATIONS**


---

**PANAYIOTIS A. KOUTENTIS** Associate Professor  
TEL.: 22892783, FAX: 22892809, E-mail: koutenti@ucy.ac.cy

**STUDIES**  
Imperial College of Science, Technology and Medicine, U.K., B.Sc. (Hons) in Chemistry, 1992  
Imperial College of Science, Technology and Medicine, U.K., Ph.D. in Organic Chemistry, 1997

**PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS**  
American Chemical Society, U.S.A. • International Society of Heterocyclic Chemists, International • Royal Society of Chemistry, Europe
RESEARCH INTERESTS
Sulfur-Nitrogen Heterocyclic Chemistry; Organic Radicals and Polyazaacenenes; Conjugated and Non-conjugated Heteroarene Polymers; Biologically Active Heteroarenes – Medicinal Chemistry; Chemoinformatics

EDITORIAL BOARDS
Arkivoc (Scientific Editor, National Representative, & Reviewer), U.S.A., ARKAT USA, Inc. • Tetrahedron (Peer Executive Reviewer), The Netherlands, Elsevier

EXTERNAL RESEARCH PROGRAMMES
Molecular Electronics and Photonics
Cooperating Organizations: Technological University of Cyprus (Host), Cyprus; University of Cyprus, Cyprus; University of Erlangen, Germany; Imperial College London, U.K. Funding: RPF, Cyprus

Chemoinformatics solutions for the identification and optimization of agents for the treatment of thalassaemia
Cooperating Organizations: Cyprus Institute of Neurology and Genetics (Host), Cyprus; Novamechanics Ltd, Cyprus; University of Cyprus, Cyprus; University of Washington (Markey Molecular Medicine Centre), U.S.A.; Thalassemia Centre Makarios Hospital, Medical and Public Health Services (Ministry of Health), Cyprus Funding: RPF, Cyprus

Mass spectroscopic measurements and NMR in Organic and Biological Chemistry, Research Infrastructure Funding: RPF, Cyprus

Benzo (1,2,4) Triazinones: Inhibitors of β-Amyloid Aggregation - New leads for the fight against Alzheimer’s Disease
Cooperating Organizations: University of Bari, Italy; Novamechanics Ltd, Cyprus and Greece; Cyano Research Corporation Ltd, Cyprus Funding: RPF, Cyprus

Design, Synthesis and biological evaluation on cardiovascular system of new selective in hibitors of soluble quanylyl cyclise
Cooperating Organization: University of Patras, Greece Funding: RPF, Cyprus

Ring transformation of 1,2,3-Dithiazolimines into Bifunctional Indoles Funding: RPF, Cyprus

Early Toxicological Testing of Compound Library with use of FETAX
Cooperating Organizations: Cyano Research Corporation Ltd, Cyprus; University of Sao Paolo, Brazil Funding: RPF, Cyprus

New Chemistry Of 1,2,3-Dithiazole Funding: RPF, Cyprus
Synthesis of Canthinones: Small Nature Products with Anticancer Properties  
Cooperating Organization: Cyano Research Corporation Ltd, Cyprus  
Funding: RPF, Cyprus

Modeling, Prediction, Synthesis and Biological Evaluation of Novel MEK inhibitors 
Cooperating Organization: Alexander Fleming Institute, Vari, Greece  
Funding: RPF, Cyprus

Chemoinformatic Software Development: Modelling, Virtual biological screening of new molecular structures with desirable characteristics  
Cooperating Organizations: Cyano Research Corporation Ltd, Cyprus; National Technical University of Athens, Greece  
Funding: RPF, Cyprus

Development of QSAR Models, Design of Biologically Active Compounds and Their Virtual Screening – Application towards the Treatment of Mediterranean Anemia  
Cooperating Organizations: Cyano Research Corporation Ltd, Cyprus; National Technical University of Athens, Greece; Cyprus Institute of Neurology and Genetics, Cyprus  
Funding: RPF, Cyprus

The Reactivation of the HbF for the Treatment of Haemoglobinopathies  
Cooperating Organizations: Cyprus Institute of Neurology and Genetics, Cyprus; Department of Health, Lucille P. Markey Genetic Medicine Center, U.K; Pancypriot Antianemia Union  
Funding: RPF, Cyprus

New Chemistry of Pyrazoles: Biologically Active Compounds  
Cooperating Organizations: Cyano Research Corporation Ltd, Cyprus; University of Ulm, Germany; Cyprus Institute of Neurology and Genetics, Cyprus; Medochemie Ltd, Cyprus  
Funding: RPF, Cyprus

Benzo[1,2,4]triazinones: Inhibitors of β-Amyloid Aggregation – New Leads for the Fight Against Alzheimer’s Disease  
Funding: RPF, Cyprus, HEALTH AND BIOLOGICAL SCIENCES (Biotechnology and Drugs).

PUBLICATIONS

CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


EPAMEINONDAS B. LEONTIDIS
Professor
TEL.: 22892767, FAX: 22892801, E-mail: psleon@ucy.ac.cy

STUDIES
Metsovion National Technical University of Athens, Greece, Diploma in Chemical Engineering, 1985
Massachusetts Institute of Technology, Boston, U.S.A., Ph.D. in Chemical Engineering, 1990

PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS
European Association for the Chemical and Molecular Sciences (EuCheMS), Brussels, Belgium, (Executive Committee Member) • Panyaknian Union of Chemists (Π.Ε.Ε.X.)
Cyprus (President) • American Chemical Society, U.S.A. • European Colloids and Interfaces Society (ECIS), Europe • Technical Chamber of Greece (TEE), Greece • Society of Scientists and Engineers, U.S.A.

**RESEARCH INTERESTS**

Physical Chemistry of Colloids and Interfaces; Organic / Inorganic Hybrid Materials; Thin films; Molecular Simulation Methods; Langmuir Monolayers and Langmuir-Blodgett Films

**EXTERNAL RESEARCH PROGRAMMES**

**COST D-43**  
Cooperating Organizations: European Colloid and Interface Science Society, Europe  
Funding: COST, European Commission

**Simulation of Biopolymers and Materials (SIMBIOMA)**  
Cooperating Organizations: Several Collaborating Laboratories throughout Europe  
Funding: ESF

Silicate-based boron adsorbents for use in desalination  
Cooperating Organizations: University of Patras, Greece; Dhekelia Desalination Plant, Cyprus  
Funding: RPF, Cyprus

**Antioxidant Enzymes in virgin olive oil. Structure and Biotechnological Applications**  
Cooperating Organization: National Hellenic Research of Athens, Greece  
Funding: RPF, Cyprus

Water Splitting for Hydrogen Production using thin films of Oxide Semiconductors  
Funding: RPF, Cyprus

Study of specific ion effects in membrane-mimetic systems of zwitterionic lipids  
Cooperating Organizations: Max Planck Institute for Colloids and Interfaces; Golm, Germany; University of Patras, Greece; National Hellenic Research of Athens, Greece  
Funding: RPF, Cyprus

**PUBLICATIONS**

**CHAPTERS IN BOOKS**


**SELECTED JOURNAL PUBLICATIONS**


### Distinguished Publications


---

**ATHANASIOS NICOLAIDES**  
Associate Professor  
TEL.: 22892784, FAX: 22892801, E-mail: than@ucy.ac.cy

### Studies

University of Athens, Greece, B.Sc. in Chemistry, 1986  
University of Washington, Seattle, U.S.A., Ph.D., 1992

### Professional Societies/International Organisations

ACS, U.S.A.

### Research Interests

Application of computational methods (ab initio, DFT) into Chemistry; Reactive intermediates; Radicals, diradicals and diradicaloids; Carbocations, carbenes and nitrenes; Pyramidalized olefins and their organometallic complexes

### External Research Programmes

Computational Chemistry: Applications to Environmental Organic Chemistry  
Funding: RPF, Cyprus

Formation of pyramidalized Alkenes: A Theoretical and Experimental approach  
Funding: RPF, Cyprus
Applications of Quantum-mechanical Calculations to Chemistry
Funding: RPF, Cyprus

Towards New Organic Photovoltaics: Calculations, Synthesis and Measurements
Cooperating Organizations from: Cyprus and Romania
Funding: RPF, Cyprus

Formation and Complexation of Noradamantene, a Pryamidalized Alkene
Funding: RPF, Cyprus

Mass and NMR Spectroscopy Measurements in Organic and Biological Chemistry
Funding: RPF, Cyprus

PUBLICATIONS

CHAPTERS IN BOOKS

SELECTED JOURNAL PUBLICATIONS


DISTINGUISHED PUBLICATIONS


IOANNIS PASHALIDES Associate Professor
TEL.: 22892785, FAX: 22892801, E-mail: pspasch@ucy.ac.cy

STUDIES
Technical University of Munich, Germany, Diploma in Chemistry, 1987
Technical University of Munich, Germany, Ph.D. in Environmental Radiochemistry, 1991

PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS
Fachverband fuer Strahlenschutz, Germany, Switzerland • Pancyprian Association of Chemists, Cyprus • Chemists Registration Council, Cyprus (Secretary) • EUCHEMS Division of Nuclear and Radiochemistry, Europe • International Nuclear Society (INCS), International, Radiation Protection and Nuclear Safety Council, Cyprus

RESEARCH INTERESTS
Aquatic and Radiochemistry Chemistry

EDITORIAL BOARDS
Journal of Nuclear Chemistry (Member), Hindawi

EXTERNAL RESEARCH PROGRAMMES
Redox Phenomena Controlling Systems (RECOSY)
Cooperating Organization: Forschungszentrum Karlsruhe G.m.b.H., Germany
Funding: EUROATOM, European Commission
Alpha-Radiometry of Natural Samples
Funding: RPF, Cyprus
Interaction of Natural Organic Matter with Heavy Metal Ions
Funding: RPF, Cyprus
Time-Resolved Laser Luminescence Spectroscopy for Speciation Analysis and Optical Sensing
Cooperating Organization: Potsdam University, Germany
Funding: RPF, Cyprus

PUBLICATIONS
CHAPTERS IN BOOKS
SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


COSTAS S. PATRICKIOS Professor
TEL.: 22892768, FAX: 22892801, E-mail: costasp@ucy.ac.cy

STUDIES

National Technical University of Athens, Greece, B.Sc. in Chemical Engineering, 1988
Massachusetts Institute of Technology, U.S.A., M.Sc. in Chemical Engineering Practice, 1990
Massachusetts Institute of Technology, U.S.A., Ph.D., 1993

PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS

American Chemical Society, U.S.A. • Polymer Networks Group, International (Secretary) • Materials Research Society, U.S.A. • POLYCHAR, International (Member of Scientific Committee)
RESEARCH INTERESTS

Synthesis-Characterisation of Block Copolymers; Synthesis-Characterisation of Model Networks; Synthesis-Characterisation of ABC Terpolymers; Group Transfer Polymerisation; Reversible Addition-Fragmentation Chain Transfer Polymerisation, Gene Transfer, Self-assembling Block Copolymer Membranes

EXTERNAL RESEARCH PROGRAMMES

Self-Assembled Polymer Membranes
Cooperating Organizations: Helmholtz Zentrum Geesthacht, Germany; Polymer Institute, Germany
Funding: FP7, Nanosciences, Nanotechnologies, Materials and New Production Technologies (MMP), European Commission

Multiblock Copolymers: Synthesis, Characterization and Application
Cooperating Organizations: Foundation of Research and Technology Hellas, Greece; University of Patras, Greece; Medochemie Ltd., Cyprus.
Funding: RPF, Cyprus

Synthesis, Characterization and Degradation of Polymer Networks Based on Degradable Initiators
Cooperating Organization: University Carnegie Mellon, U.S.A.
Funding: RPF, Cyprus

Development of Hydrophilic Cationic Star Polymers for siRNA Transfer to Mammalian Cells
Cooperating Organization: Cyprus Institute of Neurology and Genetics, Cyprus
Funding: RPF, Cyprus

Mechanical Tissue Characterization and Stress and Strain Imaging of the Murine Heart
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

BOOKS

SELECTED JOURNAL PUBLICATIONS


**DISTINGUISHED PUBLICATIONS**


**EFTYCHIA PINAKOULAKI** Lecturer
TEL.: 22892782, FAX: 22892801, E-mail: effiep@ucy.ac.cy

**STUDIES**

University of Crete, Greece, B.Sc. in Chemistry, 1998
University of Crete, Greece, Ph.D. in Chemistry, 2002

**RESEARCH INTERESTS**

Time-Resolved FTIR Spectroscopy; Gas Sensor Proteins; Protein Dynamics; Catalytic Mechanisms of Enzymes

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**

Biophysical Society, U.S.A.
INTERNAL RESEARCH PROGRAMMES (University of Cyprus)

Activation Mechanism of the Signal Transducer Protein HemAT

EXTERNAL RESEARCH PROGRAMMES

Establishment of the Infrastructure for Time-Resolved Step-Scan Fourier Transform Infrared Spectroscopy
Funding: RPF, Cyprus

A Time-Resolved Step-Scan FTIR Study of the Mechanism of Inhibition of Lipid Peroxidation in Food by Antioxidants: Health implications
Funding: RPF, Cyprus

FTIR and Time-resolved Step-Scan FTIR Studies of the Signal Transducer Protein HemAT
Funding: RPF, Cyprus

Activation and reduction of Nitric oxide (NO) to laughing gas (N2O) by Nitric Oxide Reduce and heme-copper cbb3 oxidase
Cooperating Organization: Cyprus University of Technology (Host organization), Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


**ANASTASIOS TASIPOULOS** Assistant Professor  
TEL.: 22892765, FAX: 22892801, E-mail: atasio@ucy.ac.cy

**STUDIES**  
University of Ioannina, Greece, B.Sc. Chemistry, 1995  
University of Ioannina, Greece, Ph.D. in Inorganic Chemistry, 1999

**PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS**  
Association of Greek Chemists, Greece • American Chemical Society, U.S.A.

**RESEARCH INTERESTS**  
Synthesis and Characterisation of Paramagnetic Clusters; Synthesis and Characterisation of New Single - Molecule Magnets; Synthesis and Characterisation Models of Metalloenzymes; Synthesis and Characterisation of New Coordination Polymers

**EXTERNAL RESEARCH PROGRAMMES**  
Synthesis and Study of New Single Molecule Magnets  
Cooperating Organization: NCSR «Demokritos», Greece  
Funding: RPF, Cyprus

Synthesis and Study of New Magnetic Coordination Polymers Based on 3d Metal Ions  
Cooperating Organization: NCSR «Demokritos», Greece  
Funding: RPF, Cyprus

Molecular Nanomagnets based on 3d metal ions: Synthesis, Magnetostructural Characterization and Organisation on Surfaces  
Cooperating Organization: University of Florida, U.S.A.  
Funding: RPF, Cyprus

Molecular Nanoscience: Synthesis and Study of Molecular Wheel Compounds  
Cooperating Organization: University of Florida, U.S.A.  
Funding: RPF, Cyprus
Bridging the Molecular and Classical Approaches to Nanoscale Magnetic Materials: Synthesis and Study of Giant Single Molecule Magnets
Cooperating Organization: University of Florida, U.S.A.
Funding: RPF, Cyprus

Hydrogen Storage in Metal – Organic Frameworks Based on Poly-Alcohols and Poly-Carboxylic Acids: Synthesis, Characterization and Study
Cooperating Organization: National and Kapodistrian University of Athens, Greece
Funding: RPF, Cyprus

New Metal Clusters and Multidimensional Coordination Polymers with Interesting Magnetic Properties Consisting of Linked High Spin Metal Clusters
Cooperating Organization: University of Florida, U.S.A.
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


CHARIS R. THEOCHARIS  Professor
TEL.: 22892775, FAX: 22892801, E-mail: charis@ucy.ac.cy

■ STUDIES
Brunel University, U.K., Bachelor of Technology in Applied Chemistry, 1979
University of Cambridge, U.K., Ph.D. in Physical Chemistry, 1982

■ PROFESSIONAL SOCIETIES / INTERNATIONAL ORGANIZATIONS
Royal Society of Chemistry, U.K., cchem FRSC (Fellow) • Society of Chemical Industry, U.K.
• International Adsorption Society, U.S.A. • American Chemical Society, U.S.A. •
Pancyprian Union of Chemists, Cyprus

■ EDITORIAL BOARDS
Journal of Chemical Technology and Biotechnology, U.K., Wiley InterSciece • Chemistry
Education Research and Practice Editorial Board, U.K., RSC

■ RESEARCH INTERESTS
Surface and Bulk Properties of Ceria and Doped Ceria; Surface Texture and Properties of
the Oxides and Hydroxides of Calcium and Magnesium; Adsorption Behaviour of MFI-
Type Zeolites; Study of MOF’s; Chemometric Investigation of Various Cypriot Products

■ SELECTED JOURNAL PUBLICATIONS
Panayi, E., & Theocharis, C. R. (2009). Low Pressure Hysteresis in the Nitrogen Adsorption Isotherm of ZSM-
Oxides of Composition VxCuxCe1–2xO2. Adsorption Science and Technology, 27, 811-820.
incorporated manganese oxide OMS-2. Effect of cerium template on Octahedral Molecular Sieves of
Manganese Oxide Characterization of Manganese oxide molecular sieves with cerium as dopant.
Adsorption Science and Technology, 26, 789-801.
Faculty of Pure and Applied Sciences
Department of Computer Science
The Department of Computer Science attaches major importance to research, since it is through research that it can accomplish two of its foremost missions: to contribute to the development of the discipline of Computer Science; to strengthen the contribution of Computer Science to the development of local industry and the Cypriot society at large. Computer Science not only investigates the basic theoretical issues related to the discipline, but also seeks to identify practical methods that will provide the basis for effective solutions to problems of a more general nature. It is hoped that through the development of such methods, Computer Science research will significantly improve our quality of life.

In 2002, the Department moved to the new campus of the University where it has its own spacious, state-of-the-art facilities. The Department’s move to the new facilities coincided with a rapid increase in its research projects and units, funded mainly by the European Union (Fifth, Sixth and Seventh Research Framework Programmes) and the Cyprus Research Promotion Foundation. This fortunate coincidence has helped to consolidate and further develop the research activities of the Department. In the context of its strategic planning, the Department has established the following 13 Research Laboratories, all of which are currently operating:

1. Artificial Intelligence and Intelligent Systems Lab
2. Component-Based Systems Lab
3. Computational Intelligence (Former Multimedia MRDL)
4. Computer Architecture Laboratory
6. Formal Methods and Computer Graphics Lab
7. Laboratory for Foundations of Computing Systems and Theoretical Computer Science
8. Laboratory for Internet Computing
9. Medical Informatics Laboratory
10. Medroplan Lab
11. Mobile Research Lab
12. Networks Research and Teaching Laboratory
13. Pervasive Computing Lab
14. Self-Organising Networks Lab
15. Software Engineering & Intelligent Information Systems Research Laboratory
16. Software Engineering and Internet Technology
17. Virtual Reality Systems
18. Wireline, Wireless & Mobile Networks Lab
These laboratories currently employ about 70 full-time researchers. During the years 2008-2010, faculty members of the Department utilised these laboratories for 90 research programmes, with a total budget of €11,178,463.

Some general areas of the Department’s research activities include: Algorithms and Complexity, Artificial Computational Intelligence, Computer Architecture, Computer Graphics, Computer Networks, Databases, Intelligent Systems, Internet Computing, Medical Information Systems and Telemedicine, Mobile Computing, Parallel and Distributed Systems, Software Engineering and System Specification and Verification. By strengthening its collaborations with other universities and research organizations abroad, and by organizing international conferences in Cyprus, the Department continues to broaden the areas of its research activities.

Marios Dikaikos
Chairperson
ACADEMIC STAFF

Chris Christodoulou
Associate Professor

Yiorgos L. Chrysanthou
Associate Professor

Marios D. Dikaiakos
Associate Professor

Yannis Dimopoulos
Associate Professor

Paraskevas Evripidou
Professor

Chryssis Georgiou
Assistant Professor

Antonis C. Kakas
Professor

Elpida Keravnou-Papailiou
Professor

Marios Mavronicolas
Professor

George Pallis
Lecturer

George A. Papadopoulos
Professor

Constantinos S. Pattichis
Professor

Anna Philippou
Associate Professor

Andreas Pitsillides
Professor

George Samaras
Professor

Yiannakis Sazeides
Assistant Professor

Christos N. Schizas
Professor

Pedro Trancoso
Assistant Professor

Vasos Vassiliou
Assistant Professor

Demetris Zeinalipour
Lecturer
CHRIS CHRISTODOULOU Associate Professor
TEL.: 22892752, FAX: 22892701, E-mail: cchrist@ucy.ac.cy

STUDIES
Queen Mary and Westfield College, University of London, U.K., B.Eng in Electronic Engineering, 1991
King’s College London, University of London, U.K., Ph.D. in Neural Networks/Computational Neuroscience, 1997
Birkbeck College, University of London, U.K., B.A. in German, 2008

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Cyprus Scientific and Technical Chamber (ETEK), Cyprus

RESEARCH INTERESTS
Computational Neuroscience and Neuroinformatics; Neural Coding; Neural Networks and their Applications; Machine Learning; Bioinformatics

INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
Can Evolutionary Spiking and Non-spiking Neural Networks yield more robust solutions for Multiagent Learning problems?
Can Self-Control through Precommitment Behaviour be Explained by Evolutionary Game Theory within a Computational Connectionist Model?

EXTERNAL RESEARCH PROGRAMMES
The Role of Cannabinoids in Learning and Memory: A Theoretical Neuroscience Approach
Cooperating Organization: University of Nottingham, U.K.
Funding: RPF, Cyprus

Developing of Novel and Efficient Second-Order Learning and Optimisation Techniques for Protein Structure Prediction
Funding: RPF, Cyprus

Understanding Self Control through Computational Modelling of Internal Conflict
Funding: RPF, Cyprus

PUBLICATIONS
BOOKS
CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS

YIORGOS L. CHRYSANTHOU Associate Professor
TEL.: 22892719, FAX: 22892701, E-mail: yiorgos@ucy.ac.cy

■ STUDIES
Queen Mary and Westfield College, University of London, U.K., B.Sc. in Computer Science and Statistics, 1990
Queen Mary and Westfield College, University of London, U.K., Ph.D. in Computer Graphics, 1996

■ RESEARCH INTERESTS
Computer Graphics; Virtual Reality; Computer Simulation

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Eurographics, Europe • ACM Siggraph, U.S.A. • ICOMOS, International

■ EDITORIAL BOARDS
Computers and Graphics Journal (Associate Editor), Europe, Elsevier

■ EXTERNAL RESEARCH PROGRAMMES
Action IC1005: HDRI: The Digital Capture, Storage, Transmission and Display of Real-world Lighting
Cooperating organizations: Warwick University, U.K.; another 15 E.U. countries
Funding: IST FP7, European Commission
Illumination Neutralisation with application in tracking
Cooperating organizations: SIAT, Chinese Academy of Sciences, China; Technological University of Cyprus, Cyprus
Funding: RPF, Cyprus
Mobile AR Assisted Maintenance
Cooperating organizations: ARMES, Cyprus; ELISE Irrigations, Cyprus
Funding: RPF, Cyprus
Experimental photogrammetric system for diagnosis of scoliosis
Cooperating organizations: Geoimaging, Cyprus; Aristotle University of Thessaloniki, Greece
Funding: RPF, Cyprus
Cyprus Food Virtual Museum
Cooperating organizations: Charokopeio University, Greece; PrimeTel, Cyprus; Gasteraia, Greece
Funding: RPF, Cyprus
Synthesis of Dynamic Characters with Motion Capture Data for Human Figure Animation: Educating the Cyprus police force
Cooperating organizations: Research Center Financial Reporting Council (FRC), U.K.; Cyprus Academic Research Institute (CARI), Cyprus; Cyprus Police Emergency Response Unit (CPERU), Cyprus; University College London (UCL), U.K.
Funding: RPF, Cyprus

Quantitative and Qualitative Analysis of Brain White Matter Lesions in Multiple Sclerosis Subjects
Cooperating organization: Centre of Applied Research, Cyprus
Funding: RPF, Cyprus

Automatic photogrammetry methods for diagnosis and follow-up of scoliosis (SCOLIOSIS)
Cooperating organizations: Geoimaging, Cyprus; Aristotle University of Thessaloniki, Greece
Funding: RPF, Cyprus

PATENTS

PUBLICATIONS

BOOKS


CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


MARIOS D. DIKAIAKOS Associate Professor
TEL.: 22892720, FAX: 22892701, E-mail: mdd@cs.ucy.ac.cy

STUDIES
National Technical University of Athens, Greece, Diploma in Electrical Engineering (summa cum laude), 1988
Princeton University, N.J., U.S.A., Ph.D. in Computer Science, 1994

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Association for Computing Machinery, U.S.A. (Senior Member) • Computer Society, IEEE, U.S.A. • Technical Chamber of Greece (Chartered Engineer), Greece

RESEARCH INTERESTS
Network-Centric Computing; Grid Computing; Web Technologies; Vehicular Computing; Software Systems and Tools

EDITORIAL BOARDS
Journal of Ubiquitous Computing and Intelligence (JUCI), U.S.A., American Scientific Publishers (ASP) • Nausivios Chora Journal (International Advisory Committee Member), Greece, Hellenic Naval Academy

EXTERNAL RESEARCH PROGRAMMES
EGI-iNSPIRE
Cooperating Organizations: EGI and many other EU institutions
Funding: Research Infrastructures, FP7, European Commission

v-Sense: A Vehicular Sensor Network Infrastructure
Cooperating Organizations: University of Thessaly, Greece; University of Nicosia, Cyprus
Funding: RPF, Cyprus
eMammoth: Compute and Storage Grid and Cloud Infrastructure
Funding: RPF, Cyprus (infrastructure)
Action IC0804. Energy efficiency in large scale distributed systems
Cooperating Organizations: IRIT, France; U. Passau, Germany; ENS Lyon, France; U. Vienna, Austria; AUTH, Greece, etc.
Funding: COST Programme, European Science Foundation

SEARCHiN – Marie Curie ToK
Cooperating Organizations: University of Manchester, U.K.; University of Athens, Greece
Funding: FP6, Marie Curie Programme, European Commission

g-Eclipse
Cooperating Organizations: FZK, Germany; PSNC, U.S.A; University of Reading, U.K.
Funding: FP6, Information Societies and Technologies, European Commission

EGEE-II
Cooperating Organizations: CERN and many other EU institutions
Funding: FP6, Information Societies and Technologies, European Commission

CoreGrid: Network of Excellence on Foundations, Software Infrastructures and Applications for large scale distributed, Grid and Peer-to-Peer Technologies
Cooperating Organizations: INRIA and other EU institutions
Funding: FP6, Information Societies and Technologies, European Commission

PUBLICATIONS

- BOOKS

- CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


YANNIS DIMOPOULOS  Associate Professor
TEL.: 22892718, FAX: 22892701, E-mail: yannis@cs.ucy.ac.cy

■ STUDIES
Athens University of Economics, Greece, B.Sc. in Computer Science, 1987
Athens University of Economics, Greece, Ph.D. in Computer Science, 1992

■ RESEARCH INTERESTS
Knowledge Representation and Reasoning; Artificial Intelligence Planning; Multi-agent Systems; Non-monotonic Reasoning; Constraint Satisfaction

■ PUBLICATIONS
■ SELECTED JOURNAL PUBLICATIONS

■ SELECTED CONFERENCE PROCEEDINGS


PARASKEVAS EVRIPIDOU  Professor  
TEL.: 22892696, FAX: 22892701, E-mail: skevos@cs.ucy.ac.cy

■ STUDIES
Higher Technical Institute, HIT diploma in Electrical Engineering, 1981  
University of Southern California, U.S.A., B.Sc. in Electrical Engineering, 1985  
University of Southern California, U.S.A., M.Sc. in Computer Engineering, 1986  
University of Southern California, U.S.A., Ph.D. in Computer Engineering, 1990

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
IEEE, U.S.A. • ACM, U.S.A. • IFIP Working Group 103, U.K.

■ EDITORIAL BOARDS
  * * *International Journal of Parallel Programming* (Associate Editor), The Netherlands, Springer

■ RESEARCH INTERESTS
Parallel/Distributed Processing and Computer Architecture with Specialization on Data-Flow/Data-Driven Systems; Mobile and Pervasive Computing

■ EXTERNAL RESEARCH PROGRAMMES
  * TERAFLUX: Exploiting dataflow parallelism in Teradevice Computing (249013)  
  * Cooperating Organizations: University of Siena, Spain; Barcelona Supercomputing Center, Spain; CAPS enterprise, France and China; Hewlett Packard Española, S.L., Spain; INRIA, U.K.; Microsoft Israel Research & Development Centre, Israel; THALES SA, U.S.A.; Universitaet Augsburg, Germany; University of Manchester, U.K.  
  * Funding: FP7-ICT-2009, European Commission

  * StartEnt Fostering Business-University Partnerships for Entrepreneurship Education in Europe  
  * Cooperating Organizations: Instituto Tecnológico de Canarias, Spain; Fundación Universitaria de Las Palmas de Gran Canaria; Fundación Empresa Universidad de La Laguna, Spain; Nottingham Trent University, U.K.; Centro de empresas e inovação da Madeira, Madeira; Politecnico di Torino, Torino; Bulgarian-Romanian Chamber of Commerce and Industry, Bulgaria; Ruse University, Bulgaria  
  * Funding: Enterprise and Industry Directorate-General, European Commission

  * Sei.li.nG: Seize Life Through Gaming  
  * Cooperating Organizations: F&K Consultants, U.S.A.; RESOURCE S.r.l., Australia; Ballymun Job Centre (BjC), Ireland; Kadis, Russia; InTraCoM GmbH, Germany; Web Relation, Cyprus  
  * Funding: European Commission

  * Interoperable Content for Performance in a Competency-driven Society (ICOPER)  
  * Cooperating Organizations: Schafftuniversität Wien, Germany; Open University, U.K. ;
University of Leicester, U.K.; Open University of the Netherlands, The Netherlands;
University of Jyväskylä, Finland; IMC AG, Germany; Tallinn University, Estonia; Institut
National des Télécommunications, Jozef Stefan Institute, Spain; NCSR Demokritos,
Greece; University of Vienna, Vienna; Universidad Carlos III de Madrid, Spain; AGH
University of Science and Technology, Poland; Kaunas University of Technology,
Lithuania; Knowledge Markets Consulting GesmbH, Germany; Oslo University College,
Norway; Synergets nv, Belgium; GiuntiLabs, Belgium; Katholieke Universiteit Leuven,
Germany; Umeå University, Sweden; Humance, Germany
Funding: FP7, European Commission

Sensors for Terrestrial and Airborne Radiotransmitter Rescue Search (STARS)
Cooperating Organizations: Thales Communications, U.S.A.; University of Louvain,
Belgium; OAMTC, Germany; Joanneum Research, Germany; TELETEL, Greece; University
of Oulu, Finland; SFR, France; École Nationale Supérieure des Officiers Sapeurs-Pompiers,
France; Vodafone, Greece; Mont-Blanc Helicoptères, France; Cyprus Fire Service
Funding: FP6, European Commission

MedIsolae-3D: Mediterranean Islands
Cooperating Organizations: 3D Aerial Navigation, Italy; Epsilon International SA (EPSGR),
Greece; Planungsbüro (PBS), Denmark; AllWeb Solutions SA (ALLWEB), Greece; Epsilon
Italia srl (EPSIT), Italy; Fundacion Illes Balears (IBIT), Mallorca; Epsilon Consulting Ltd
(EPSCY), Cyprus; Prefecture of Kyklades (PREKY), Greece; Prefecture of Chios (PRECH),
Greece; Prefecture of Kerkyra (PREKE), Greece; Mediterranean Agronomic Institute
(MAICH), Greece; Hellenic Small Islands Network (HSIN), Greece; Association des Îles du
Ponant (AIPO), France; Paragon Limited (PARA), Malta
Funding: FP7, European Commission

OpenIT: Promoting Information & Communication Technology (ICT) in Small & Medium
Enterprises (SMEs) and Public Bodies in ARCHIMED Zone through Open Source & Free
Software
Cooperating Organizations: Thessaloniki Chamber of Commerce and Industry, Greece;
Region of Central Acedonia, Greece; University of Cacedonia, Greece; Calabria Chaber of
C & IY, Italy
Funding: European Commission

Broadband Access Satellite Enabled Education (BASE2)
Cooperating Organizations: NCSR “Demokritos”, Division of Applied Technologies,
Greece; Research and Education Society in Information Technologies – AIT, Cyprus;
Brunel University, U.K., Department of Information Systems and Computing, Australia;
Fraunhofer Gesellschaft zur Foerderung der angewandten Forschung e.V, Germany;
Universidad Politécnica de Madrid – UPM, Spain; Department of Telematic Engineering,
Greece; General Confederation of Greek Agrarian Associations (GESASE), Greece;
SuperFast Ferries, Greece; Hellenic Aerospace Industry S.A., Greece
Workflow & RFID enabled system for automated & paperless Warehouse operations (W-Response)

Cooperating Organizations: Pouliadis Associates Corporation, Greece; David Steps Ltd, Cyprus; EGA System S.L., Spain; SchlumbergerSema, France; WARDI S.A. – Logistics, Greece; University of Surrey, U.K.; Meshed Systems GmbH, Germany

Funding: European Commission

Finalist: FINANCIAL LITERACY STIMULATION

Cooperating Organizations: University of Piraeus, Greece; KEPKA, Russia; University of Athens, Greece; Allweb, Sweden; BezirKsamt, Germany; HSIF, Hong Kong; FCB, Spain; University of Nice, France

Funding: European Commission

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


CHRYSISIS GEORGIOU Assistant Professor
TEL.: 22892745, FAX: 22892701, E-mail: chryssis@cs.ucy.ac.cy

■ STUDIES
University of Cyprus, Cyprus, B.Sc. in Mathematics, 1998
University of Connecticut, U.S.A., M.Sc. in Computer Science and Engineering, 2002
University of Connecticut, U.S.A., Ph.D. in Computer Science and Engineering, 2003

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Association for Computing Machinery (ACM), U.S.A. (Professional Member) • Institute of Electrical and Electronic Engineers (IEEE), International (Professional Member) • European Association for Theoretical Computer Science (EATCS), Europe (Member)

■ RESEARCH INTERESTS
Distributed and Parallel Computing; Fault-Tolerance and Dependability; Algorithms and Complexity

■ EXTERNAL RESEARCH PROGRAMMES
Algorithmic Principles for Building Efficient Overlay Computers (AEOLUS)
Cooperating Organizations: 22 partners
Funding: FP6, European Commission

European Research Network on Foundations, Software Infrastructures and Applications for Large Scale Distributed, GRID and Peer-to-Peer Technologies (COREGRID)
Cooperating Organizations: 41 partners
Funding: FP6, European Commission

Cloud Computing for Highly Scalable, Dependable and Pervasive Services
Cooperating Organizations: Universidad Politecnica de Madrid, Spain; Universidad Rey Juan Carlos, Spain; University of Cyprus, Cyprus (CLOUDS)
Funding: Comunidad de Madrid, Coserjeria de Education

Sistemas Distribuidos Autonomicos, Confiables y de Altas Prestaciones
Cooperating Organizations: Universidad Rey Juan Carlos, Spain; University of Cyprus, Cyprus (AUTONOMIC)
Funding: Comunidad de Madrid, Coserjeria de Education

Reliable Master-Worker Internet-based Computing (Project Coordinator)
Cooperating Organizations: University of Cyprus, Cyprus; Universidad Rey Juan Carlos, Spain; University of Connecticut, U.S.A. (RELIABLE)
Funding: RPF, Cyprus

Seeking Fastness in Multiple-Writer Multiple-Reader Atomic Register Implementations (Project Coordinator) (ATOMIC)
Cooperating Organizations: University of Cyprus, Cyprus; University of Connecticut, U.S.A.
Funding: RPF, Cyprus
E-learning of Higher Mathematics with the use of Algebraic Computing (PATRAS)  
Cooperating Organizations: University of Cyprus, Cyprus; University of Patras, Greece  
Funding: RPF, Cyprus

PUBLICATIONS

- **BOOKS**

- **CHAPTERS IN BOOKS**

- **SELECTED JOURNAL PUBLICATIONS**

- **SELECTED CONFERENCE PROCEEDINGS**
ANTONIS C. KAKAS Professor
TEL.: 22892786, FAX: 22892701, E-mail: antonis@ucy.ac.cy

■ STUDIES
Imperial College, U.K., B.Sc. in Mathematics, 1980
Imperial College, U.K., M.Sc. in Computer Science, 1987
Imperial College, U.K., Ph.D. in Theoretical Physics, 1984

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
European Association of Artificial Intelligence, Europe • American Association of Artificial Intelligence, U.S.A. • Association of Logic Programming, U.K.

■ RESEARCH INTERESTS
Argumentation; Abductive and Inductive Reasoning; Computational Bioscience; Reasoning about Action and Change; Cognitive Agents

■ EDITORIAL BOARDS

■ EXTERNAL RESEARCH PROGRAMMES
Agent Agreement Technologies
Cooperating Organizations: 20 European Universities
Funding: COST, European Commission

PUBLICATIONS
■ CHAPTERS IN BOOKS

■ SELECTED JOURNAL PUBLICATIONS
SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


ELPIDA KERAVNOU-PAPAILIOU Professor
TEL.: 22892694, FAX: 22892701, E-mail: elpida@ucy.ac.cy

STUDIES

Brunel University, U.K., B.Tech in Computer Science, 1982
Brunel University, U.K., Ph.D. in Cybernetics, 1985

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

Artificial Intelligence in Medicine, Europe (Board Member) • European Institute of Innovation and Technology, Europe (Member of the Governing Board)

RESEARCH INTERESTS

Artificial Intelligence in Medicine; Diagnostic Reasoning; Knowledge Engineering - Expert Systems; Temporal Information Systems; Hybrid Decision Support Systems
EDITORIAL BOARDS

Artificial Intelligence in Medicine (AIM) (Associate Editor), International, Elsevier • Systems Research and Information Science, International, Gordon and Breach

EXTERNAL RESEARCH PROGRAMMES

MEDROPLAN

Cooperating Organizations: CIHEAM, Belgium; Universidad Politecnica de Madrid, Spain; University of Cyprus, Cyprus; National Technical University of Athens (NTUA), Greece; Universita degli Studi di Catania, Spain; Institut Argonomique et Veterinaire Hassan II, Morocco; Ministere de l’Agriculture et des Resources Hydrauliques, Tunisia; Ministerio de Medio Ambiente Confederacion Hidrografica del Tajo, Spain; Canal de Isabel II, Spain; Fundacion Ecologia y Desarrollo, Spain

Funding: European Commission

PUBLICATIONS

BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


MARIO S MAVRONICOLAS  Professor
TEL.: 22894007, FAX: 22894467, E-mail: mavronic@ucy.ac.cy

■ STUDIES
National Technical University of Athens, Greece, Diploma in Electrical Engineering, 1985
Harvard University, U.S.A., M.A. in Computer Science, 1988
Harvard University, U.S.A., Ph.D. in Computer Science, 1992

■ EDITORIAL BOARDS
*Theoretical Computer Science* (Associate Editor), International, Elsevier • *Networks* (Associate Editor), International, Wiley • *Journal of Interconnection Networks* (Associate Editor), International, World Scientific

■ RESEARCH INTERESTS
Algorithms and Complexity, with focus on Game Theory and Distributed and Parallel Computing

PUBLICATIONS

■ CHAPTERS IN BOOKS

■ SELECTED JOURNAL PUBLICATIONS
SELECTED CONFERENCE PROCEEDINGS

DISTINGUISHED PUBLICATIONS

GEORGE PALLIS Lecturer
TEL.: 22892743, FAX: 22892701, E-mail: gpallis@cs.ucy.ac.cy

STUDIES
Aristotle University of Thessaloniki, Greece, B.Sc., 2001
Aristotle University of Thessaloniki, Greece, Ph.D., 2006

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
IEEE, U.S.A. • ACM, U.S.A. • ACM, Cyprus • ACM CYPRUS-SIGGHI, Cyprus

RESEARCH INTERESTS
Internet Computing with emphasis on Content Distribution Networks; Cloud Computing; Vehicular Networking; Online Social Networks and Web Data Clustering

EDITORIAL BOARDS
IEEE *Internet Computing* (Editor), U.S.A., IEEE • *International Journal on Internet and Distributed Computing Systems* (Editor), Bangladesh, IJIDCS

EXTERNAL RESEARCH PROGRAMMES
Knowledge Discovery from Moving Objects (MOVE)
Cooperating Organizations: A Management Committee (MC) comprised of representatives of the 19 countries that have joined the action
Funding: COST ACTION IC0903 Programme, European Commission
SEARCHIn – Marie-Curie Action TOK  
Cooperating Organizations: University of Manchester, U.K; National and Kapodistrian University of Athens, Greece  
Funding: Marie-Curie Action Programme, European Commission  

A Vehicular Sensor Network Infrastructure (V-Sense)  
Cooperating Organizations: University of Cyprus, Cyprus; CERTH, Greece; University of Nicosia, Cyprus  
Funding: RPF, Cyprus  

EMammoth-Compute and Store on Grids and Clouds Infrastructures  
Cooperating Organization: University of Cyprus, Cyprus  
Funding: RPF, Cyprus  

E-tracer (Principal investigator)  
Cooperating Organizations: University of Cyprus, Cyprus; Datatech Business Solution, Cyprus  
Funding: RPF, Cyprus

PUBLICATIONS

CHAPTERS IN BOOKS

SELECTED JOURNAL PUBLICATIONS

SELECTED CONFERENCE PROCEEDINGS


---

**GEORGE-ANGELOS PAPADOPOULOS** Professor  
TEL.: 22892693, FAX: 22892701, E-mail: george@cs.ucy.ac.cy

- **STUDIES**  
  University of Aston, Birmingham, U.K., B.Sc. in Computer Science and Mathematics, 1982  
  University of Aston, Birmingham, U.K., M.Sc. in Computer Science with Applications, 1983  
  University of East Anglia, Norwich, U.K., Ph.D. in Computer Science, 1989

- **RESEARCH INTERESTS**  
  Software Engineering; Programming Languages; Distributed and Parallel Systems; Cooperative Information Systems; Internet Technologies

- **EDITORIAL BOARDS**  
  *Journal of Universal Computer Science* (Editor), Germany, Springer  
  *International Journal of Computers and Their Applications* (Editor), U.S.A., ISCA  
  *International Journal of Computers and Applications* (Editor), U.S.A., IASTED  
  *Journal of Next-Generation Computing* (Editor), U.S.A., Perpetual Innovation Media Pvt. Ltd.  
  *Journal of Computing and Applications*, U.S.A., IACSE  
  *International Magazine on Advances in Computer Science and Telecommunications* (Editor), U.S.A., IMACS  
  *International Journal of Computer Science: Theory, Technology and Applications* (Editor), U.S.A., Research nation

- **EXTERNAL RESEARCH PROGRAMMES**  
  HealthService 24  
  Cooperating Organizations: Quite a few (E.U. based)  
  Funding: European Commission
EPRISTART
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

UNITE
Cooperating Organizations: Quite a few (E.U. based).
Funding: European Commission

MUSIC
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

BETSY
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

MADAM
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

MVU
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

AVICENNA
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

MEDFORIST
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

Asterics
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

CVN
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

COIN-EEU
Cooperating Organizations: Quite a few (E.U. based)
Funding: European Commission

E-Thalassa
Cooperating Organization: IBM, U.S.A.
Funding: RPF, Cyprus

ERGADIKTYO
Cooperating Organizations: University of Nicosia, Cyprus; Virtual IT, Cyprus
Funding: RPF, Cyprus
PUBLICATIONS

- **CHAPTERS IN BOOKS**

- **SELECTED JOURNAL PUBLICATIONS**

- **SELECTED CONFERENCE PROCEEDINGS**

- **DISTINGUISHED PUBLICATIONS**
CONSTANTINOS S. PATTICHIS  Professor  
TEL.: 22892697, FAX: 22892701, E-mail: pattichi@ucy.ac.cy

■ STUDIES
Higher Technical Institute (HTI), Cyprus, Diploma of Technician Engineer in Electrical Engineering, 1979
University of New Brunswick, Canada, B.Sc. in Electrical Engineering, 1983
University of Texas at Austin, U.S.A., M.Sc. in Biomedical Engineering, 1984
University of Newcastle Upon Tyne, U.K., M.Sc. in Neurology, 1991
University of London, Queen Mary and Westfield College, U.K., Doctor of Philosophy in Electronic Engineering, 1992

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Institute of Electrical and Electronic Engineers (IEEE), International (Senior Member) • Engineering in Medicine and Biology, and Computational Intelligence Societies, International

■ RESEARCH INTERESTS
Computational Intelligence in Medical and Biological Systems; Medical Image Analysis Systems: Ultrasound, Endoscopy, Microscopy; e-Health Systems; M-Health e-Emergency Systems; Life Science Informatics

■ EDITORIAL BOARDS
Transactions on Information Technology in Biomedicine (Associate Editor and Guest Editor), U.S.A., IEEE • Biomedical Signal Processing and Control (Editorial Advisory Board), Elsevier, U.K. • Computerized Medical Imaging and Graphics (Guest Editor), U.K., Elsevier

■ EXTERNAL RESEARCH PROGRAMMES
Multi-type Content Repurposing and Sharing in Medical Education  
Funding: FP7 eContentplus Programme, Best Practice Network, European Commission  
Collaborative Research: Design, Implementation and Dissemination of Multidisciplinary online Java Digital Signal Processing (J-DSP)  
Funding: NSF, U.S.A. (multidisciplinary CCLI phase 3)  
Quantitative and Qualitative Analysis of Brain White Matter Lesions in Multiple Sclerosis Subjects  
Funding: RPF, Cyprus  
Real time Wireless Transmission of Medical Ultrasound Video  
Funding: RPF, Cyprus  
A Computer Aided Diagnostic tool in Gynaecological Endoscopy (CAD_Gen)  
Cooperating Organization: Ministry of Commerce and Industry, Cyprus  
Funding: Call for High Technology and Innovative Incubator Companies

Re sear ch Pr ofile and P ublications 2008-2010

85
Investigating Disease Associated Gene-Gene Interactions: A Distributed Complete two SNP Interaction Analyses Framework, Funding: Glaxo Smith Kline, U.K.

PUBLICATIONS

■ BOOKS

■ SELECTED CHAPTERS IN BOOKS

■ SELECTED JOURNAL PUBLICATIONS


**ANNA PHILIPPOU** Associate Professor
TEL.: 22892699, FAX: 22892701, E-mail: annap@cs.ucy.ac.cy

- **STUDIES**
  University of Warwick, U.K., M.Sc. in Parallel Computers and Computation, 1993
  University of Warwick, U.K., Ph.D. in Computer Science, 1996

- **PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**
  Association for Computing Machinery (ACM), U.S.A. • European Association for Theoretical Computer Science (EATCS), Europe • Institute of Electrical and Electronic Engineers (IEEE), U.S.A., E.U.

- **RESEARCH INTERESTS**
  Concurrency Theory; Formal Methods; Real-Time Systems; Algorithmic Game Theory

- **EDITORIAL BOARDS**
  *Journal of Computing Science and Engineering* (JCSE), Korea, Korean Institute of Information Scientists and Engineers (KIJSE) • *International Journal on Software Tools for Technology Transfer* (Guest Editor), Germany, Springer • *Logical Methods in Computer Science* (Guest Editor), Electronic Journal

87
EXTERNAL RESEARCH PROGRAMMES

Algorithmic Principles for Building Efficient Overlay Computers (AEOLUS)
Cooperating Organizations: 21 partners, including University of Paderborn, Germany; University of Patras, Greece; Università degli Studi di Roma La Sapienza, Italy; Technical University of Catalonia, Spain
Funding: European Commission, Research Directorate, FET, 6th Framework Programme on Research, Technological Development and Demonstration, Information Society Technologies Programme (IST)

PUBLICATIONS

BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


AN DR EAS PITSILLIDES  Professor  
TEL.: 22892695, FAX: 22892701, E-mail: Andreas.Pitsillides@ucy.ac.cy

■ STUDIES
University of Manchester, Institute of Science and Technology (UMIST), U.K., B.Sc. in Electrical and Electronic Engineering, 1980
Swinburne University of Technology (SUT), Australia, Ph.D. in High Speed Multimedia Networks, 1993

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
International Federation of Automatic Control (IFAC) Technical Committee (TC1.5) on Networked Systems • International Federation of Automatic Control (IFAC) Technical Committee (TC7.4) on Transportation Systems • Federation of Information Processing (IFIP) Working Group WG 6.3 (Working group 6.3): Performance of Communications Systems Research and Academic Network • European National Research and Education Networks (NREN), Europe (Policy Committee Member) • Institute of the Electrical and Electronic Engineers (IEEE) (Elected Senior Member) U.S.A. • Cyprus Scientific and Technical Chamber (ETEK), Cyprus

■ RESEARCH INTERESTS
Control Theoretic Techniques for solving problems in communication networks; Congestion and Flow Control; Resource Allocation and Radio Resource Management; Internet of Things and Web of Things; Internet Technologies Application in m-Healthcare.

■ EDITORIAL BOARDS
Editorial Board of Computer Networks Journal (COMNET) (Area Editor), The Netherlands, Elsevier • International Journal of Handheld Computing Research (IJHCR) (Editorial Review Board), IGI Global, U.S.A.

■ EXTERNAL RESEARCH PROGRAMMES
Rapidly-deployable, Self-tuning, Self-reconfigurable, Nearly-optimal Control Design for Large-Scale Nonlinear Systems (AGILE), Principal Investigator Cooperating Organizations: Centre For Research And Technology Hellas CERTH, Greece; University Of Cyprus, Cyprus; The Pennsylvania State University PSU, U.S.A.; Afcon Software and Electronics Ltd Asel, Israel; Sociedad Iberica De Construcciones Electricas Sa Sice, Spain; Siemens Anonymos Etaireia Ilektrotechnikon Ergon Kai Proionton Sie, Greece; Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung E.V Fibp, Germany; Municipality of Chania TCD, Greece Funding: FP7, European Commission

Performance Control in Wireless Sensor Networks (GINSENG), Co-Principal Investigator Cooperating Organizations: University College Cork, Ireland; Galp Energia SA; SAP AG, Portugal; Swedish Institute of Computer Science AB, Sweden; Technische Universitaet Carolo-Wilhelmina zu Braunschweig, Germany; University of Cyprus, Cyprus; Lancaster University, U.K. Funding: FP7, European Commission
Context Casting (C-CAST) Co-Principal Investigator
Cooperating Organizations: Portugal Telecom Inovação, Portugal; Telecom Italia, Italy; Deutsche Welle, Denmark; BigBand Networks, U.S.A.; Motorola France; Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung, Denmark; Instituto de Telecomunicações, Portugal; University of St Gallen, Switzerland; University of the West of England, U.K.; University of Applied Sciences Osnabruceck, Denmark; University of Kaiserslautern, Denmark; University of Cyprus, Cyprus
Funding: FP7, European Commission

Middleware platform for eMPOWERing cognitive disabled and elderly (MPOWER) (2006-2009), Co-Principal Investigator
Cooperating Organizations: SINTEF, Norway; Ericsson Nikola Tesla d.d., Croatia; Austrian Research Centers GmbH – ARC, Austria; Psykiatrien i Vestfold HF, Norway; Uniwersytet Jagiellonski Collegium Medicum, Poland; Dimension Informatica, Madrid; TB-Solutions Advanced Technologies S.L., Cyprus; University of Cyprus, Cyprus
Funding: FP6, European Commission

Advanced MBMS For The Future Mobile World (C-MOBILE) (2006-2008), Principal Investigator
Cooperating Organizations: Portugal Telecom Inovação S.A., Portugal; Telecom R & D, France; Deutsche Welle, Germany; Bamboo MediaCasting, Israel; University of Cyprus, Cyprus; Associação para o Desenvolvimento das Telecomunicações e Técnicas de Informática, Spain; University of St. Gallen, Switzerland; University of West of England, U.K.; University of Applied Sciences, Zurich; Instituto de Telecomunicações, Portugal; Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung E.V, Germany; QUALCOMM CDMA Technologies GmbH, Germany; Hutchison 3G Ltd, U.K.
Funding: FP6, European Commission

MOobile Terminal Information Value addEd Functionality (MOTIVE), Principal Investigator
Cooperating Organizations: Bigband Network Ltd, Hutchison Whampoa, Europe; Limited, Universität St Gallen, Germany; Telecom Italia Spa, Italy; Instituto De Telecomunicacoes, Portugal; Technische Universität Kaiserslautern, Germany; Motorola Sas, France; Stiftung Fachhochschule Osnabruceck, Germany; University Of The West of England, U.K.; Bristol, U.K.; Deutsche Welle, Germany; University of Cyprus, Cyprus; Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung E.V, Germany
Funding: FP6, European Commission

Enterprise Application Interoperability via Internet - Integration for SMEs, Governmental Organisations and Intermediaries in the new European Union (GENESIS)
Cooperating Organizations: National Technical University of Athens, Greece; Logo Yazilim Sanayi ve Ticaret A.S., Turkey; SAP AG, Germany; BOC Information Systems GmbH, Germany; Business Application Software Developers' Association, U.K.; Kauno Technologijos Universitetas, Spain; University of Cyprus, Cyprus; Singular Czech S.R.O., Chech Republic; Ascont International SRL, Italy; BOYTAS MOBILYA Sanayi ve Ticaret A.S., Kyrgyzstan; Ministry of Finance – General Secretariat for Information Systems, Greece; Insel Informatica Per Il Sistema Degli Enti Locali S.p.A., Italy; SingularLogic Information Systems & Applications SA, Greece
Funding: FP6, European Commission
CREating Ubiquitous Intelligent Sensing Environments (CRUISE)
Cooperating Organizations: Network of excellence with 32 internationally recognised expert partners
Funding: FP6, European Commission (Network of Excellence)

Mimicking Nature for Designing Robust Congestion Control Mechanisms in Self-Organized Autonomous Decentralized Networks (MiND2C), Principal Investigator
Cooperating Organizations: University of Pretoria, South Africa; Goldsmiths College University of London, U.K.
Funding: RPF, Cyprus

Emergency Message Dissemination for Safety Applications in Vehicular Ad-hoc Networks (EM-VANETS), Principal Investigator
Cooperating Organizations: University of Southern California, U.S.A.; Open University of Cyprus, Transim, Cyprus
Funding: RPF, Cyprus

Intelligent Control of Transportation System (TRAIFICNET), Principal Investigator
Cooperating Organizations: University of Southern California, U.S.A.; Cellock, Cyprus
Funding: RPF, Cyprus

Security in Sensor Networks (ASPIDA), Scientific Principal Investigator
Cooperating Organizations: SIGINT solutions, U.K.; University of Piraeus, Greece
Funding: RPF, Cyprus

KIOS (IPE), Research Center for Intelligent Systems and Networks, Participant
Funding: RPF, Cyprus

NefroBiobank (IPE) Creation of a kidney specific Biobank and infrastructure for genomics/proteomics research, Participant
Funding: RPF, Cyprus

Location finding for Current and Next Generation Mobile Networks (HRA), Participant
Cooperating Organization: Cyprus Telecommunications Authority, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


GEORGE SAMARAS Professor
TEL.: 22892698, FAX: 22892701, E-mail: cssamara@cs.ucy.ac.cy

■ STUDIES
University of Athens, Greece, B.S. in Mathematics, 1982
Rensselaer Polytechnic Institute (RPI), U.S.A., M.S. in Computer Science, 1984
Rensselaer Polytechnic Institute (RPI), U.S.A., Ph.D. in Computer Science, 1989

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
ACM Computer Society, U.S.A. • IEEE Computer Society, U.S.A.

■ RESEARCH INTERESTS
Database Systems; Mobile, Wireless and Pervasive Computing; Data Management in Sensor Networks; Personalization Systems; WWW Information Retrieval

■ EDITORIAL BOARDS
International Journal of Internet Technology and Secured Transactions (IJITST), U.K., Inderscience Publishers

■ INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
The smarTag Framework for the Adaptation of Generic Web Environments

■ EXTERNAL RESEARCH PROGRAMMES
Co-living
Cooperating Organizations: Citard Ltd, International
Funding: RPF, Cyprus and European Commission

SocialRobot
Funding: European Commission

CONET
Funding: European Commission

IPAC
Funding: European Commission

mPower
Funding: European Commission

MOTIVE
Funding: European Commission

HealthService24
Funding: European Commission
EPRI
Funding: European Commission

W-Response
Funding: European Commission

B-BONE
Funding: European Commission

Firewatch
Cooperating Organizations: Citard LtD, International; Geomatic Technologies Ltd, Cyprus
Funding: RPF, Cyprus

MELCO: Mobile Elderly Living Community
Cooperating Organizations: ΤΕΠΑΚ, Cyprus; Cosine LTD, U.K.; Social Services Center of Ayios Dhometios, Cyprus
Funding: RPF, Cyprus

EKPAIDION: Personalized and Adaptive Multimedia Educational Environments
Cooperating Organization: University of Athens, Greece
Funding: RPF, Cyprus

GITONIA: Improving Quality of Life by Utilizing Multimedia Mobile Wireless Technologies (& Sensors) to watch the Neighborhood by the local authorities
Cooperating Organization: Cosine Ltd, U.K.; Ithaki Consulting Ltd, Cyprus
Funding: RPF, Cyprus

ePavsanias: A Multimedia Database for Archeological Excavations Salonika
Cooperating Organization: University of Athens, Greece
Funding: RPF, Cyprus

MHTIS: Development of relationally complete interactive querying methods for mobile devices and personal computers
Funding: RPF, Cyprus

PUBLICATIONS

CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PUBLICATIONS


DISTINGUISHED PUBLICATIONS


YIANNAKIS SAZEIDES Assistant Professor
TEL.: 22892704, FAX: 22892701, E-mail: yanos@cs.ucy.ac.cy

STUDIES
Oakland University, U.S.A., B.Sc. in Computer Engineering, 1991
Cornell University, U.S.A., Ph.D. in Electrical Engineering, 1992
University of Wisconsin, Madison, U.S.A., Ph.D. in Electrical Engineering, 1999

RESEARCH INTERESTS
Computer Architecture

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
IEEE, U.K.
EDITORIAL BOARDS

MICRO Special Issue on TOP Picks 2010 (Member Technical Program Committee), U.K., IEEE
- MICRO Special Issue on TOP Picks 2008 (Member Technical Program Committee), U.K., IEEE

INTERNAL RESEARCH PROGRAMMES (University of Cyprus)

Funding for research in the area of Cache-Content Duplication

EXTERNAL RESEARCH PROGRAMMES

Grant for research in the area of Reliability and Temperature
Funding: Intel

Grant for research in the area of Trace-prediction and Trace-optimizations Methods for Improved Performance and Power
Funding: Intel

HIPEAC
Various (PhD Fellowships for research, collaboration and travel grants)
Cooperating organizations: Inria, France; Irisa, France; Ghent University, Belgium; University Murcia, Spain; University of Spain, Spain
Funding: FP7, European Commission

Eurocloud
Cooperating organizations: ARM, U.K.; Nokia, Finland; IMEC, Belgium; EPFL, Switzerland
Funding: FP7, European Commission

Funding to support postdoctoral research on temperature constrained multi-cores
Cooperating Organization: Inria, France; Irisa, France
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


**DISTINGUISHED PUBLICATIONS**


**CHRISTOS N. SCHIZAS** Professor
TEL.: 22892705, FAX: 22892715, E-mail: schizas@ucy.ac.cy

**STUdIES**

University of London, Queen Mary College, U.K., B.Sc.(Eng.) in Electronic Engineering, 1978
University of London, Queen Mary College, U.K., Ph.D. in Systems Theory, Ph.D., 1981
University of Indianapolis, U.S.A., MBA, 1988

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**

British Computer Society, U.K. (Fellow) • Institute of Electrical Engineers, U.K. (Fellow) • Institute of Electrical and Electronic Engineers, U.S.A., (Senior Member) • European Society for Engineering in Medicine, E.U. • Cyprus Scientific and Technical Chamber (ETEK), Cyprus • International Neural Network Society, U.S.A.

**RESEARCH INTERESTS**

Computational Intelligence (Artificial Neural Networks, Genetic Algorithms, Fuzzy Systems); Medical Informatics; Brain Computer Interaction; Bioinformatics

**EDITORIAL BOARDS**

*Journal of Technology and Health Care* (Editorial Board), E.U., IOS Press • *Journal of Intelligent Systems* (Editorial Board), Freund & Pettman publishers • *IEEE Transactions on Information Technology in Biomedicine* (Area Editor), U.S.A., IGI Global • *International
EXTERNAL RESEARCH PROGRAMMES

-mEducator - Multi-type Content Repurposing and Sharing in Medical Education
Cooperating Organizations: Aristotle University of Thessaloniki, Greece; University of Cyprus, Cyprus; Democritus University of Thrace, Greece; Medical Exchange MEDTING Ltd, Cyprus; University of Nice-Sophia Antipolis, France; University of Helsinki, Greece; Open University, U.K.; Technical University of Cluj-Napoca, Romania; Medical University Plovdiv, Bulgaria; University of Catania, Spain; Succubus Interactive, France; European Cervical Cancer Association, France
Funding: 7FP eContentplus, European Commission

-NatureSDIplus
Cooperating Organizations: 30 organizations including, GISIG - Geographical Information Systems International Group, Italy; OEAW - Austrian Academy of Sciences, Austria; TRACASA - Trabajos Catastrales (ES), International; INGRIT - Intergraph Italia, Italy; EPSGR Epsilon International, Greece, K.U.Leuven - Katholieke Universiteit Leuven, Belgium; Fraunhofer - Fraunhofer Institute, Denmark, Denmark; URSIT – URSIT, Bulgaria
Funding: 7FP eContentplus, European Commission

A Novel Keyword Searching Paradigm in Relational Databases: Object Summaries
Funding: RPF, Cyprus

Cooperating Organizations: Technological University of Cyprus, Cyprus; Cyprus Ministry of Defence, Cyprus
Funding: RPF, Cyprus

Multidisciplinary approach for investigating selective attention.
Cooperating Organizations: Technological University of Cyprus, Cyprus; Laboratory for Human Brain Dynamics-SME, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

CHAPTERS IN BOOKS


**SELECTED JOURNAL PUBLICATIONS**


**SELECTED CONFERENCE PROCEEDINGS**


**DISTINGUISHED PUBLICATIONS**


PEDRO TRANCOSO

Assistant Professor
TEL.: 22892703, FAX: 22892701, E-mail: pedro@ucy.ac.cy

■ STUDIES
Technical University of Lisbon, Portugal, Undergraduate Degree in Electrical and Computer Engineering, 1992
University of Illinois at Urbana-Champaign, U.S.A., M.Sc. in Computer Science, 1995
University of Illinois at Urbana-Champaign, U.S.A., Ph.D. in Computer Science, 1998

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Institute of Electrical and Electronic Engineers (IEEE), U.S.A. • IEEE Computer Society, Institute of Electrical and Electronic Engineers (IEEE), U.S.A. • Association for Computer Machinery (ACM), U.S.A.

■ EDITORIAL BOARDS
Computing in Science & Engineering (Co-Editor of Novel Computing Architectures Column), U.S.A., IEEE • International Journal of High Performance Systems Architecture (IJHPSA) (Member of the Editorial Board), Switzerland, Inderscience

■ RESEARCH INTERESTS
Computer Architecture; Parallel Processing; Memory Hierarchy Design; Performance Evaluation; Database Workloads

■ EXTERNAL RESEARCH PROGRAMMES
Exploiting Dataflow Parallelism in Teradevice Computing (TERAFLUX)
Cooperating organizations: University of Siena, Italy (Coordinator); Barcelona Supercomputing Center, Spain; CAPS Enterprise, China; Hewlett Packard, U.S.A.; INRIA, France; Microsoft R&D, Israel; THALES SA, France; University of Augsburg, Germany;
University of Cyprus, Cyprus; University of Manchester, U.K.
Funding: European Commission

HiPEAC2, European Network of Excellence on High-Performance and Embedded Architecture and Compilation (NoE)
Funding: European Commission

Security in Open Multi-Application SMART CARDS (S-OMA SMART CARDS)
Cooperating organizations: Aristotle University of Thessaloniki, Greece; Athens University of Economics, Greece
Funding: RPF, Cyprus
PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS

SELECTED CONFERENCE PROCEEDINGS

DISTINGUISHED PUBLICATIONS
VASOS VASSILIOU Assistant Professor  
TEL.: 22892750, FAX: 22892701, E-mail: vasosv@cs.ucy.ac.cy

■ STUDIES
Higher Technical Institute, Cyprus, HND in Electrical Engineering, 1993  
University of South Florida, U.S.A., B.Sc. in Electrical Engineering, 1997  
Georgia Institute of Technology, U.S.A., M.Sc. in Electrical and Computer Engineering, 1999  
Georgia Institute of Technology, U.S.A., Ph.D. in Electrical and Computer Engineering, 2002

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Institute of Electrical and Electronic Engineers (IEEE), U.S.A. (Executive Council Member, Cyprus Section)  
Institution of Engineering and Technology (IET), U.K  
Association of Computing Machinery (ACM), U.S.A.  
Cyprus Scientific and Technical Chamber (ETEK), Cyprus

■ RESEARCH INTERESTS
Communication Networks; Sensor, Ad-hoc, and Vehicular Networks; Mobility Management in Computer Networks; Multimedia Multicasting in Mobile Networks; Fault Tolerance and Traffic Engineering for MPLS

■ EDITORIAL BOARDS
Telecommunication Systems, Modelling, Analysis, Design, and Management Journal (Associate Editor), U.S.A., Springer  
International Journal of E-Health and Medical Communications (Review Board), U.S.A., IGI-Global

■ INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
ADAVIDEO: Adaptive Methods for the Transmission of Video Streams in Wireless Networks - University of Cyprus, Small Research Projects

■ EXTERNAL RESEARCH PROGRAMMES
Performance Control in Wireless Sensor Networks (GINSENG)  
Cooperating Organizations: University of Cork (coordinator), Ireland; University of Cyprus, Cyprus; University of Coimbra, Portugal; Swedish Institute of Computer Science, Sweden; TU Braunschweig, Denmark; Lancaster University, U.K.; SAP, Denmark; GALP Energia, Portugal  
Funding: FP7 ICT, European Commission  
Context Casting (CAST)  
Cooperating Organizations: Bigband Network Ltd, U.S.A.; Universitat St. Gallen, Switzerland; Telecom Italia Spa, Italy; Instituto de Telecomunicacoes, Portugal; Technische Universitaet Kaiserslautern, Denmark; Motorola SAS, France; Stiftung Fachhochschule Osnabruessel, Denmark; Univeristy of the West of England, U.K.; Deutsche
Welle, Denmark; University of Cyprus, Cyprus; Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung E.V., Denmark
Funding: FP7 ICT, European Commission

Advanced MBMS for the Future Mobile World (C-MOBILE)
Cooperating Organizations: Portugal Telecom Inovação, Portugal; France Telecom, France; Deutsche Welle, Denmark; Bamboo, U.S.A.; University of Cyprus, Cyprus; ADETTI, Portugal; University of St. Gallen, Switzerland; University of the West of England, U.K.; University of Applied Sciences Osnabrueneck, Denmark; Instituto de Telecomunicações, Portugal; Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung, Denmark; QUALCOMM CDMA Technologies, Denmark; Hutchison 3G, U.K.
Funding: FP7 ICT, European Commission

CRreating Ubiquitous Intelligent Sensing Environments (Network of Excellence on the Application and Communication aspects of Wireless Sensor Networking) (CRUISE)
Cooperating Organizations: 23 partners
Funding: FP6 NoE, European Commission

Mimicking Nature for Designing Robust Congestion Control Mechanisms in Self-Organized Autonomous Decentralized Networks (MIND2C)
Cooperating Organizations: University of Pretoria, South Africa; Goldsmiths College; University of London, U.K.
Funding: RPF, Cyprus

Next Generation IPv6 Research Network (NET6)
Cooperating Organizations: European University Cyprus, Cyprus; Netway Ltd, Cyprus
Funding: RPF, Cyprus

VIDEO Distribution in New-Generation Mobile Cellular Networks (GPRS/UMTS) (BINTEO)
Cooperating Organizations: CYTA, Cyprus; VAVEL NetMedia Ltd, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


ZEINALIPOUR DEMETRIS Lecturer
TEL.: 22892755, FAX: 22892701, E-mail: dzeina@cs.ucy.ac.cy

STUDIES

University of Cyprus, B.Sc. in Computer Science, 2000
University of California, Riverside, U.S.A., M.Sc. in Computer Science and Engineering, 2003
University of California, Riverside, U.S.A., Ph.D. in Computer Science and Engineering, 2005

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

Association for Computing Machinery (ACM), International • Institute of Electrical and Electronics Engineers (IEEE), International • The Advanced Computing Systems Association (USENIX), International

RESEARCH INTERESTS

Data Management in Systems and Networks: Distributed Query Processing; Storage and Retrieval Methods for Sensor, Smartphone and Peer-to-Peer; Systems, Network and Mobile Data Management
EXTERNAL RESEARCH PROGRAMMES

Cooperating Objects Network Of Excellence (CONET)
Cooperating Organizations: University of Pisa, Italy; ETH, Switzerland; SICS, U.S.A.; University of Cyprus, Cyprus; ISEP-IPP, Spain; SAP, International; SCHNEIDER, Cyprus; AICIA, Spain; UPO, Spain; TI, U.S.A.
Funding: Information Communication Technologies FP7, European Commission

SEARCHing in a Networked world (SEARCHiN)
Cooperating Organizations: University of Cyprus, Cyprus; University of Manchester, U.K.; University of Athens, Greece
Funding: Marie Curie Host Fellowships for the Transfer of Knowledge (ToK), Marie Curie Actions, CORDIS, FP6, European Commission

Enhancing FailRank by Machine Learning Methods
Cooperating Organizations: Open University of Cyprus, Cyprus; University of Cyprus, Cyprus; ICS/FORTH and University of Crete, Greece
Funding: EU CoreGRID Network of Excellence; Research Exchange Program (REP)

An Experimental Evaluation of the FailRank Grid Monitoring and Ranking System
Cooperating Organizations: Zuse Institute Berlin, Germany; Open University of Cyprus, Cyprus; University of Cyprus, Cyprus
Funding: CoreGRID Network of Excellence Research Exchange Program (REP), European Commission

Enabling Grids for E-sciencE (EGEE)
Cooperating Organizations: Several European Universities and Institutions
Funding: Information Society Technologies, FP6, European Commission

CoreGRID Network of Excellence
Cooperating Organizations: Network of Excellence among several European Universities and Institutions
European Research Network on Foundations, Software Infrastructures and Applications for Large Scale Distributed, GRID and Peer-to-Peer Technologies, FP6-IST
Funding: European Commission

PUBLICATIONS

BOOKS


### CHAPTERS IN BOOKS


### SELECTED JOURNAL PUBLICATIONS


### SELECTED CONFERENCE PROCEEDINGS


**DISTINGUISHED PUBLICATIONS**


Faculty of Pure and Applied Sciences

Department of Mathematics and Statistics
Tasos C. Christofides  
Professor  

Cleopatra C. Christoforou  
Lecturer  

Pantelis A. Damianou  
Professor  

Konstantinos Fokianos  
Associate Professor  

Georgios C. Georgiou  
Professor  

Andreas Karageorghis  
Professor  

Alexandros Karagrigoriou  
Associate Professor  

Stamatis Koumandos  
Professor  

George Kyriazis  
Associate Professor  

Emmanouil Milakis  
Lecturer  

Christos A. Pallikaros  
Associate Professor  

Efstathios G. Paparoditis  
Professor  

Evangelia Samiou  
Assistant Professor  

Theofanis Sapatinas  
Professor  

Yiorgos-Sokratis Smyrlis  
Professor  

Christodoulos Sophocleous  
Professor  

Nikos Stylianopoulos  
Professor  

Nikos Tziolas  
Assistant Professor  

Alekos Vidras  
Professor  

Christos Xenophontos  
Associate Professor
The Department of Mathematics and Statistics (MAS) carries out important research activity in a wide range of Pure Mathematics, Applied Mathematics and Statistics. Members of the Department of MAS cooperate and participate in research programmes with other Universities and Research Centres. Beyond the academic arena, the Department of MAS has research partnerships with public and private organizations in Cyprus and abroad. Its research output is of high quality, published in top journals.

The quality and quantity of publications compares favourable with that of respected related departments of overseas competitive Universities. The research record of the Department of MAS proves that the faculty, in addition to teaching and administration, are active members in research and in the advancement of the Mathematics Sciences. An important development in the last years is the further involvement of graduate students in seminars, publications and, above all, in original research.

The ongoing research activities of the Department of MAS cover various areas of Mathematics, such as Algebra, Geometry, Analysis, Mathematical Physics, Numerical Analysis, and Probability and Statistics.

The Department of MAS has developed activities in numerous areas, some of which extend beyond the traditional areas of mathematics research, for example:

- Computer- Aided Design
- Modelling of Rainfall
- Computational Oceanography
- Biomedicine
- Molecular Genetics
- Short-Term Load Forecasting

Theofanis Sapatinas
Chairperson
TASOS C. CHRISTOFIDES  Professor
TEL.: 22892628, FAX: 22895631, E-mail: tasos@ucy.ac.cy

STUDIES
University of Athens, Greece, B.Sc. in Mathematics, 1983
The Johns Hopkins University, U.S.A., M.S.E. in Mathematical Sciences, 1985
The Johns Hopkins University, U.S.A., Ph.D. in Mathematical Sciences, 1987

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

RESEARCH INTERESTS
Probability Inequalities; U-Statistics; Sampling; Associated Random Variables; Stochastic Orders

EDITORIAL BOARDS
*Communications in Statistics-Theory and Methods* (Associate Editor), U.S.A., Taylor and Francis • *Communications in Statistics-Computation and Simulation* (Associate Editor), U.S.A., Taylor and Francis • *Journal of Statistical Theory and Practice* (Associate Editor), U.S.A., Grace Scientific Publishing

PUBLICATIONS
BOOKS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


CLEOPATRA C. CHRISTOFOROU Lecturer

TEL.: 22892648, FAX: 22895072, E-mail: Christoforou.Cleopatra@ucy.ac.cy

STUDIES

University of Cyprus, Cyprus, B.Sc. in Mathematics, 2000
Brown University, U.S.A, M.Sc. in Mathematics, 2002
Brown University, U.S.A, Ph.D. in Mathematics, 2004

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

Society for Industrial and Applied Mathematics (SIAM), U.S.A. (Member) • American Mathematical Society, U.S.A. (Member)

RESEARCH INTERESTS

Partial Differential Equations and Applied Analysis; Continuum Mechanics and Hyperbolic Conservation Laws; Vanishing Viscosity Limits and Formation of Shock Waves

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


**PAN TELISA DAMIANOU** Professor

TEL.: 22892654, FAX: 22892601, E-mail: damianou@ucy.ac.cy

- **STUDIES**
  University of New Hampshire, U.S.A., B.Sc. in Mathematics, 1977
  UCLA, U.S.A., M.A. in Mathematics, 1980
  University of Arizona, U.S.A., Ph.D. in Mathematics, 1989

- **PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**
  American Mathematical Society, U.S.A. • Mathematical Association of America, U.S.A. • IFAC Technical Committee on Transportation Systems, U.S.A. • Cyprus Mathematical Society, Cyprus

- **RESEARCH INTERESTS**
  Integrable Systems; Poisson Manifolds; Lie Groups; Number Theory

- **EDITORIAL BOARDS**

- **INTERNAL RESEARCH PROGRAMMES (University of Cyprus)**
  Pure Mathematics

- **EXTERNAL RESEARCH PROGRAMMES**
  Minimal Orbits and Toda Systems (MIN-TODA)
  Cooperating Organizations: University of Cyprus, Cyprus; University of Poitiers, France
  Funding: RPF, Cyprus
Darboux polynomials and Integrable Systems (SOLSYXE)
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

Intelligent Bus Systems on Archagelos Avenue (ARCHAGELOS)
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

■ BOOKS

■ SELECTED JOURNAL PUBLICATIONS


■ SELECTED CONFERENCE PROCEEDINGS


■ DISTINGUISHED PUBLICATIONS


KONSTANTINOS FOKIANOS Associate Professor
TEL.: 22892613, FAX: 22895360, E-mail: fokianos@ucy.ac.cy

■ STUDIES
University of Ioannina, Greece, B.Sc. in Mathematics, 1991
University of Maryland, U.S.A., M.A. in Statistics, 1993
University of Maryland, U.S.A., Ph.D. in Statistics, 1996

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Institute of Mathematical Statistics (IMS), U.S.A. • International Statistical Institute (ISI),
The Netherlands (Elected Member) • American Statistical Association (ASA), U.S.A. •
International Biometric Society (IBS), U.S.A. • Institute of Mathematical Statistics, U.S.A. •
International Biometric Society-Eastern Mediterranean Region, U.S.A.

■ RESEARCH INTERESTS
Time Series; Semiparametric Models; Spatio-Temporal Data Analysis; Biostatistics;
Bioinformatics

■ EDITORIAL BOARDS
Computational Statistics & Data Analysis (Associate Editor), U.S.A., Elsevier • Statistics &
Probability Letters Associate (Associate Editor), U.S.A., Elsevier • Journal of Environmental
Statistics (Associate Editor), U.S.A., UCLA

■ INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
Mitigating the Impact of Estimation Errors in Portfolio Optimization

■ EXTERNAL RESEARCH PROGRAMMES
Regression Models for Integer Valued Time Series
Cooperating Organizations: University of Dortmund, Germany; University of Bergen, Norway
Funding: RPF, Cyprus

Applied Neuroscience and Neurobehavioral, Research Center (ANNRC)
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

Ergodicity and Inference for Loglinear Poisson Autoregressions
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus
PUBLICATIONS

CHAPTERS IN BOOKS

SELECTED JOURNAL PUBLICATIONS

SELECTED CONFERENCE PROCEEDINGS

GEORGIOS C. GEORGIOU Professor
TEL.: 22892612, FAX: 22895352, E-mail: georgios@ucy.ac.cy

STUDIES
National Technical University of Athens, Greece, Diploma in Chemical Engineering, 1985
University of Michigan, U.S.A., M.Sc. in Chemical Engineering, 1986
University of Michigan, U.S.A., Ph.D. in Chemical Engineering, 1989

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Hellenic Society of Rheology (HSR), Greece • Greek Association of Computational Mechanics (GRACM), Greece • Society of Rheology, U.S.A. • Society of Industrial and Applied Mathematics (SIAM), U.S.A. • International Association of Computational Mechanics (IACM), U.S.A. • Cyprus Mathematical Society, Cyprus
RESEARCH INTERESTS
Computational Rheology; Numerical Solution of Partial Differential Equations; Computational Oceanography

EDITORIAL BOARDS

EXTERNAL RESEARCH PROGRAMMES
A Pan European Infrastructure for Ocean and Marine Data Management (SEADATANET) Cooperating Organization: Department of Fisheries and Marine Research, Ministry of Agriculture, Cyprus Funding: European Commission

Development of the Integrated Parallel Cyprus Coastal Ocean Forecasting System (PARALLELCYP) Cooperating Organizations: University of Athens, Greece; EXA High Performance Computing, Cyprus Funding: RPF, Cyprus

Influence of volume expanders on fluidity of blood through arteries and other blood vessels (HEMODEL1) Cooperating Organizations: Cyprus University of Technology, Cyprus; University of Ljubljana, Slovenia Funding: RPF, Cyprus

Flow of model body fluids and blood in arteries and other blood vessels (HEMODEL) Cooperating Organizations: Cyprus University of Technology, Cyprus; University of Ljubljana, Slovenia Funding: RPF, Cyprus

Underwater Autonomous Units Recording Sea Parameters (YPOKINOMODA) Cooperating Organization: Cyprus University of Technology, Cyprus Funding: RPF, Cyprus

PUBLICATIONS
BOOKS
CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


ANDREAS KARAGEORGHIS  Professor
TEL.: 22892644, FAX: 22892601, E-mail: andreask@ucy.ac.cy

■ STUDIES
Oxford University, U.K., B.A. in Mathematics, 1981
Oxford University, U.K., M.A. in Mathematics, 1985
Oxford University, U.K., D.Phil. in Mathematics, 1985

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Institute of Mathematics and its Applications, U.K. (Fellow) • Canadian Applied Mathematics Society, Canada • Society for Industrial and Applied Mathematics, U.S.A.

■ RESEARCH INTERESTS
Numerical Solution of Differential Equations; Scientific Computing; Inverse Problems

■ EDITORIAL BOARDS
Engineering Analysis with Boundary Elements (Member of Editorial Board), The Netherlands, Elsevier • Advances in Applied Mathematics and Mechanics (Associate Editor), Hong-Kong, Global Science Press

PUBLICATIONS

■ BOOKS

■ CHAPTERS IN BOOKS

■ SELECTED JOURNAL PUBLICATIONS


**ALEX KARAGRIGORIOU** Associate Professor
TEL.: 22892634, FAX: 22892601, E-mail: alex@ucy.ac.cy

- **STUDIES**
  University of Patras, Greece, B.Sc. in Mathematics, 1984
  University of Maryland, U.S.A., M.A. in Mathematical Statistics, 1988
  University of Maryland, U.S.A., Ph.D. in Mathematical Statistics, 1992

- **PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**
  American Statistical Association, U.S.A. • Institute of Mathematical Statistics, U.S.A. • Hellenic Statistical Institute, Greece

- **RESEARCH INTERESTS**
  Measures of Divergence; Model Selection Criteria; Statistical Modelling; Medical Statistics

- **EDITORIAL BOARDS**

- **EXTERNAL RESEARCH PROGRAMMES**
  ΟΥΡΟΚΟΝΙΟΣ Male Urogenital Cancer and its Relation to the Human Pappiloma Virus (HPV)
  Cooperating Organizations: Mendel Center for Biomedical Sciences, Cyprus Urological Association, Cyprus; University of Cyprus, Cyprus
  Funding: RPF, Cyprus
PUBLICATIONS

CHAPTERS IN BOOKS


SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS
STAMATIS KOUMANDOS  Professor
TEL.: 22892622, FAX: 22895350, E-mail: skoumand@ucy.ac.cy

■ STUDIES
Aristotle University of Thessaloniki, Greece, B.Sc. in Mathematics, 1985
Aristotle University of Thessaloniki, Greece, Ph.D. in Mathematics, 1991

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
American Mathematical Society, U.S.A. • Society for Industrial and Applied Mathematics (SIAM), U.S.A. • SIAM Activity Group on Orthogonal Polynomials and Special Functions, U.S.A. • European Mathematical Society, Germany • Greek Mathematical Society, Greece • Cyprus Mathematical Society, Cyprus • Research Group in Mathematical Inequalities and Applications, Australia • Harmonic Analysis, IHP Network, France.

■ RESEARCH INTERESTS
Fourier Analysis; Orthogonal Polynomials - Special Functions; Approximation Theory; Harmonic Analysis; Analytic Number Theory; Geometric Function Theory

■ EDITORIAL BOARDS
*International Journal of Pure and Applied Mathematical Sciences*, (Member), India, GBS Publishers and Distributors • *Global Journal of Mathematics and Mathematical Sciences* (Member), India, GBS Publishers and Distributors • *Australian Journal of Mathematical Analysis and Applications* (Member), Australia, University of Victoria, Melbourne • *Journal of Mathematical Inequalities* (Member), Croatia, University of Zagreb • *Journal of Mathematical Analysis* (Member), Serbia Department of Mathematics and Computer Science University of Prishtine • *Journal of Classical Analysis (JCA)* (Member), Croatia, University of Zagreb

■ EXTERNAL RESEARCH PROGRAMMES
Inequalities for Special Functions and Applications to Geometric Function Theory and Related Fields
Funding: Leventis Foundation

PUBLICATIONS
■ CHAPTERS IN BOOKS
SELECTED JOURNAL PUBLICATIONS


GEORGE KYRIAZIS Associate Professor

TEL.: 22892642, FAX: 22892601, E-mail: kyriazis@ucy.ac.cy

STUDIES

University of Ioannina, Greece, B.Sc. in Mathematics, 1986

University of South Carolina, U.S.A., Ph.D., 1992

RESEARCH INTERESTS

Approximation Theory; Harmonic Analysis; Related topics of Classical Analysis including the Study of Decomposition Systems on Various Spaces of Functions

INTERNAL RESEARCH PROGRAMMES (University of Cyprus)

Decomposition of Weighted Smoothness spaces and Applications
PUBLICATIONS

- **SELECTED JOURNAL PUBLICATIONS**

---

**EMMANOUIL MILAKIS** Lecturer
TEL.: 22892640, FAX: 22892601, E-mail: emilakis@ucy.ac.cy

- **STUDIES**
  University of Crete, B.Sc., 1999
  University of Crete, M.Sc., 2001
  University of Crete, Ph.D., 2006

- **PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**
  American Mathematical Society, U.S.A.

- **RESEARCH INTERESTS**
  Partial Differential Equations; Free Boundary Problems; Geometric Measure Theory

- **INTERNAL RESEARCH PROGRAMMES (University of Cyprus)**
  Internal Funding Budgets 3/311 and ΜΑΣ/Γ14.2

- **EXTERNAL RESEARCH PROGRAMMES**
  Marie Curie International Reintegration Grants
  Funding: European Commission
  Summer 2009 Collaborator
  Funding: National Science Foundation, U.S.A.
SELECTED JOURNAL PUBLICATIONS


CHRISTOS A. PALLIKAROS Associate Professor
TEL.: 22892631, FAX: 22892601, E-mail: pallikar@ucy.ac.cy

STUDIES

Imperial College, London, U.K., B.Sc. in Mathematics, 1988
Stanford University, U.S.A., M.Sc. in Mathematics, 1990
Imperial College, U.K., Ph.D. in Mathematics, 1993

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS

• Cyprus Mathematical Society, Cyprus

RESEARCH INTERESTS

Group Representation Theory; Algebraic Combinatorics

SELECTED JOURNAL PUBLICATIONS


EFSTATHIOS G. PAPARODITIS Professor
TEL.: 22892643, FAX: 22895072, E-mail: stathisp@ucy.ac.cy

STUDIES
Freie Universität Berlin, Germany, Diploma in Mathematical Economics, 1985
Freie Universität Berlin, Germany, Ph.D. in Statistics, 1990

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Institute of Mathematical Statistics, U.S.A. • Bernoulli Society, The Netherlands • International Statistical Institute, International

RESEARCH INTERESTS
Time Series Analysis; Nonparametric Statistics

EDITORIAL BOARDS
Journal of Nonparametric Statistics, (Associate Editor), U.S.A., Taylor and Francis • Journal of Time Series Econometrics (Associate Editor), U.S.A., Berkeley Electronic Press • Metrika (Associate Editor), Germany, Springer-Verlag

EXTERNAL RESEARCH PROGRAMMES
Short Term Load Prediction Using Nonparametric Functional Time Series Methods
Funding: Electricity Authority of Cyprus (EAC)

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


**CONFERENCE PROCEEDINGS**


---

**EVANGELIA SAMIOU** Assistant Professor
TEL.: 22892627, FAX: 22892601, E-mail: samiou@ucy.ac.cy

**STUDIES**
University of Athens, Greece, Degree in Mathematics, 1990
University of Augsburg, Germany, Dr. rer. nat. in Mathematics, 1997

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**
London Mathematical Society (LMS), U.K. • American Mathematical Society (AMS), U.S.A.
• Deutsche Mathematiker-Vereinigung (DMV), Germany

**RESEARCH INTERESTS**
Differential Geometry (Riemannian Geometry)

**PUBLICATIONS**

**SELECTED JOURNAL PUBLICATIONS**

**DISTINGUISHED PUBLICATIONS**


THEOFANIS SAPATINAS
Professor
TEL.: 22894413, FAX: 22895072, E-mail: fanis@ucy.ac.cy

■ STUDIES
University of Athens, Greece, B.Sc. in Mathematics, 1989
University of Sheffield, U.K., Ph.D. in Statistics, 1994

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Institute of Mathematical Statistics, U.S.A. • Bernoulli Society, Netherlands

■ RESEARCH INTERESTS
Non-parametric and Semi-parametric Volatility Estimation; Functional Time Series Prediction; Functional Mixed-Effects Models; Nonparametric Curve Estimation and Related Problems; Wavelets in Statistics

■ EDITORIAL BOARDS
Annals of Statistics (Associate Editor), U.S.A., Institute of Mathematical Statistics

■ EXTERNAL RESEARCH PROGRAMMES
Short Term Load Prediction Using Nonparametric Functional Time Series Methods
Funding: Electricity Authority of Cyprus (EAC)
Cluster Analysis of Daily Total Generation Data
Funding: Cyprus Transmission System Operator (TSO Cyprus)

■ PUBLICATIONS
■ SELECTED JOURNAL PUBLICATIONS

**YIORGOS-SOKRATIS SMYRLIS** Professor  
TEL.: 22892650, FAX: 22892601, E-mail: smyrlis@ucy.ac.cy

- **STUDIES**  
  University of Athens, Greece, B.S. in Mathematics, 1984  
  Courant Institute, New York University, U.S.A., M.S. in Mathematics, 1986  
  Courant Institute, New York University, U.S.A., Ph.D. in Mathematics, 1989

- **PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**  
  American Mathematical Society (AMS) • Mathematical Association of America (MAA)

- **RESEARCH INTERESTS**  
  Partial Differential Equations; Numerical Analysis; Functional Analysis; Fluid Dynamics

- **EDITORIAL BOARDS**  
  *Cyprus University Publications* (Editor), Cyprus, University of Cyprus

- **INTERNAL RESEARCH PROGRAMMES (University of Cyprus)**  
  Analysis and Computations of Evolution Partial Differential Equations in Two- and Three-Dimensional Interfacial Hydrodynamics

- **EXTERNAL RESEARCH PROGRAMMES**  
  Analysis and Computations of Evolution Partial Differential Equations in Two- and Three-Dimensional Interfacial Hydrodynamics  
  Cooperating Organization: Imperial College, London, U.K.  
  Funding: RPF, Cyprus

**PUBLICATIONS**

- **CHAPTERS IN BOOKS**  
SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


DISTINGUISHED PUBLICATIONS


CHRISTODOULOS SOPHOCLEOUS Professor
TEL.: 22892630, FAX: 22892601, E-mail: christod@ucy.ac.cy

■ STUDIES
University of Aston in Birmingham, U.K., B.Sc. in Mathematics, 1987
University of Nottingham, U.K., Ph.D. in Mathematics, 1991

■ RESEARCH INTERESTS
Mathematical Physics; Nonlinear Partial Differential Equations

■ EXTERNAL RESEARCH PROGRAMMES
Nonlinear Diffusive and Wave Equations that model problems in Mathematical Physics and Mathematical Biology
Funding: RPF, Cyprus
Symmetries, conservation laws and exact solutions of systems of evolution equations that arise in Mathematical Biology and Physics
Funding: RPF, Cyprus
Predicting commodity prices using group analysis
Funding: RPF, Cyprus

PUBLICATIONS
■ SELECTED JOURNAL PUBLICATIONS
SELECTED CONFERENCE PROCEEDINGS

NIKOS STYLIANOPOULOS Professor
TEL.: 22892635, FAX: 22895359, E-mail: nikos@ucy.ac.cy

STUDIES
University of Patras, Greece, B.Sc. in Mathematics, 1985
Brunel University, U.K., M.Sc. in Numerical Analysis, 1987
Brunel University, U.K., Ph.D. in Mathematics, 1990

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Society for Industrial and Applied Mathematics, U.S.A.

RESEARCH INTERESTS
Orthogonal Polynomials; Computational Complex Analysis; Approximation in the Complex Plane; Potential Theory; Numerical Linear Algebra

INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
Orthogonal Polynomials in the Complex Plane

EXTERNAL RESEARCH PROGRAMMES
Orthogonal Polynomials in the Complex Plane: Distributions of Zeros and Asymptotics
Funding: Mathematisches Forschungsinstitut Oberwolfach, Germany

PUBLICATIONS
BOOKS

CHAPTERS IN BOOKS

135
SELECTED JOURNAL PUBLICATIONS


NIKOLAOS TZIOLAS Assistant Professor
TEL.: 22892624, FAX: 22892601, E-mail: tziolas@ucy.ac.cy

STUDIES

Aristotle University of Thessaloniki, Greece, B.Sc. in Mathematics, 1991
University of Utah, U.S.A., Ph.D. in Mathematics, 1999

RESEARCH INTERESTS

Algebraic Geometry

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


DISTINGUISHED PUBLICATIONS


ALEKOS VIDRAS Professor
TEL.: 22892645, FAX: 22892601, E-mail: msvidras@ucy.ac.cy

■ STUDIES
University of Athens, Greece, B.Sc in Mathematics, 1986
University of Maryland, College Park, U.S.A., Ph.D. in Mathematics, 1992

■ RESEARCH INTERESTS
Residue Currents; Representations of Holomorphic Functions by Carleman Formulas; Entire Functions

■ EDITORIAL BOARDS
UFA Mathematical Journal, Russia, Institute of Mathematics with Computer Center of the Ufa Science Center of Russian Academy of Sciences

PUBLICATIONS

■ SELECTED JOURNAL PUBLICATIONS

■ SELECTED CONFERENCE PROCEEDINGS

CHRISTOS XENOPHONTOS Associate Professor
TEL.: 22892610, FAX: 22892601, E-mail: xenophontos@ucy.ac.cy

■ STUDIES
The College of William and Mary, U.S.A., B.Sc. (High Honors) in Mathematics, 1991
University of Maryland Baltimore, U.S.A., M.Sc. in Applied Mathematics, 1993
University of Maryland Baltimore, U.S.A., Ph.D. in Applied Mathematics, 1996

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Society for Industrial and Applied Mathematics, U.S.A. • American Mathematical Society, U.S.A. • Greek Association of Computational Mechanics, Greece
RESEARCH INTERESTS
Numerical Analysis; Computational Mathematics; Numerical Solution of Differential Equations; Finite Element Methods

EXTERNAL RESEARCH PROGRAMMES
Development of the Singular Function Boundary Integral Method for three-dimensional elliptic boundary value problems with boundary singularities
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS
Faculty of Pure and Applied Sciences

Department of Physics
Constantia Alexandrou
Professor
Georgios Archontis
Associate Professor
Constantinos Christofides
Professor
Gregorios Itskos
Lecturer
Konstantinos Moulopoulos
Associate Professor
Andreas Othonos
Associate Professor
Haralambos G. Panagopoulos
Professor
Photios Ptochos
Associate Professor
Panos A. Razis
Professor
Stavros Theodorakis
Associate Professor
Nicolaos Toumbas
Assistant Professor
Haralambos P. Tsertos
Professor
Spiros S. Skourtis
Associate Professor
The Department of Physics has 13 faculty members whose research areas cover a very broad spectrum of the modern research activity in experimental, computational, and theoretical physics.

Areas of research in our Department include applied physics, theoretical and computational biophysics, theoretical condensed matter physics, experimental high energy physics, theoretical and computational high energy physics, experimental nuclear physics, solid state physics and optoelectronics.

Our faculty members maintain active collaborations with major research laboratories (e.g., CERN, CNRS, Fermi National Laboratory, GSI) and with top universities and research institutes (e.g., Cambridge University, Ecole Normale Superieure, Ecole Polytechnique, Harvard University, Imperial College, MIT, Weizmann Institute).

The research of our faculty is widely recognized with well over 38,000 citations to our work in international scientific journals (ISI Web of Science, SPIRES).

Our objective is to maintain excellence in both teaching and research and to contribute to the educational, technological and cultural development of Cyprus.

Georgios Archontis
Chairperson
CONSTANTIA ALEXANDROU Professor
TEL.: 22892829, FAX: 22892821, E-mail: alexand@ucy.ac.cy

STUDIES
Bachelor of Arts, Oxford University, U.K., 1980
Doctor of Philosophy in Theoretical Strong Interaction Physics, Massachusetts Institute of Technology, U.S.A., 1985

PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
American Physical Society, U.S.A.

RESEARCH INTERESTS
Theoretical Strong Interaction Physics; Lattice QCD; Algorithms for Lattice QCD; Phase Transitions and Topology in QCD; Polaron Problems

INTERNAL RESEARCH PROGRAMMES (University of Cyprus)
Studies in Strong Interactions: Confinement, Chiral Symmetry and Renormalization
From Strong Interactions to Condensed Matter physics
Hadron Structure in Lattice QCD: Nucleon Matrix Elements of twist-2 Operators Using Dynamical Twisted Mass Fermions

EXTERNAL RESEARCH PROGRAMMES
Hadron Physics, I3HP
Cooperating Organizations: DESY-Zeuthen, Rome; Wuppertal, Liverpool; CERN
Funding: E.U.
STRONGnet, ITN Marie-Curie
Cooperating Organizations: Regensburg, Germany; Wuppertal, Germany; Bielefeld, Germany; Madrid, Spain; Trinity College, Ireland; Parma, Italy; Edinburgh, Scotland
Funding: European Commission
ADROMIOSI
Cooperating Organizations: Massachusetts Institute of Technology, U.S.A.; Institute of Accelerating Systems and Applications (IASA), Greece; University of Athens, Greece
Funding: RPF, Cyprus

Hadron Structure using twisted fermions
Cooperating Organization: University of Grenoble, France
Funding: RPF, Cyprus

The shape of hadrons in lattice QCD
Cooperating Organization: Massachusetts Institute of Technology, U.S.A.
Funding: RPF, Cyprus
Hadron Structure in the Chiral Regime  
Cooperating Organizations: DESY-Zeuthen, Germany; Orsay, France  
Funding: RPF, Cyprus

Cy-Tera Infrastructure project  
Cooperating Organizations: Cyprus Institute, Cyprus; NCSA University of Illinois, U.S.A.; Julich Supercomputing Center, Germany; SESAME, Jordan  
Funding: RPF, Cyprus

PENEK: Meson properties in lattice Quantum Dynamics in the chiral regime  
Cooperating Organizations: Cyprus Institute, Cyprus; DESY-Zeuthen, Liverpool  
Funding: RPF, Cyprus

Multi-core QCD algorithms for flavor singlet’s  
Cooperating Organizations: Cyprus Institute, Cyprus; Julich Supercomputing Center, Germany  
Funding: RPF, Cyprus

---

**PUBLICATIONS**

---

**SELECTED JOURNAL PUBLICATIONS**


---

**SELECTED CONFERENCE PROCEEDINGS**


**DISTINGUISHED PUBLICATIONS**


**GEORGIOS ARCHONTIS** Associate Professor
TEL.: 22892822, FAX: 22892821, E-mail: archonti@ucy.ac.cy

**STUDIES**

University of Athens, Greece, B.Sc. in Physics, 1987

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**

Biophysical Society, U.S.A.

**RESEARCH INTERESTS**

Biomolecular Structure-Function Relationships by Atomistic Molecular Dynamics Simulations; Computer-Aided Protein and Drug Design; Formation of Peptide-based Nanostructures With Medical and Technological Interest; Development and Application of Implicit Solvent Models to the Thermodynamic Properties of Biomolecules.

**EDITORIAL BOARDS**

*BMC Biophysics* (Associate Editor), U.K., BioMed Central • *Computational and Mathematical Methods in Medicine*, U.S.A., Hindawi Publishing Corporation

**INTERNAL RESEARCH PROGRAMMES (University of Cyprus)**

Computational Investigation of Peptide Sequences from the Adenovirus and Reovirus Fiber Shaft: Insights on the Self-assembly of Peptide-based Nanostructures and the Stability of the Triple-β Spiral Fold
Computational Investigation of the Salting-out Effect with Polarizable Water Models
**EXTERNAL RESEARCH PROGRAMMES**

Protein Design Simulations and Application in the Genetic Engineering of Aminoacyl-TRNA Synthetases  
Cooperating Organization: Ecole Polytechnique, France  
Funding: RPF, Cyprus  

Computational Study of Ionic Effects on the Conformational Stability and the Helix/Coil Equilibrium of Model Oligopeptides  
Funding: RPF, Cyprus  

Modification of the Specificity of Aminoacyl-TRNA RNA Synthetases by Biomolecular Simulations  
Funding: RPF, Cyprus  

CyTera: A multi-Teraflop computing Facility For Science and Technology in Cyprus  
Cooperating Organizations: The Cyprus Institute, Cyprus; The National Center for Supercomputing Applications (NCSA), U.S.A; The Juelich Supercomputing center, Germany; The Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME).  
Funding: RPF, Cyprus

**PUBLICATIONS**

**SELECTED JOURNAL PUBLICATIONS**


147

**SELECTED CONFERENCE PROCEEDINGS**

**DISTINGUISHED PUBLICATIONS**

**CONSTANTINOS CHRISTOFIDES** Professor
TEL.: 22894002/3, 22892824, FAX: 22894468, E-mail: ccc@ucy.ac.cy

**STUDIES**
University of Grenoble, Grenoble, France, B.Sc., 1982
University of Grenoble, Grenoble, France, M.Sc., 1983
University of Grenoble, IEJE Department, Grenoble, France, D.E.A.
National Polytechnic School of Grenoble (INPG), Grenoble, France, D.E.A., 1984
National Polytechnic School of Grenoble (INPG), Grenoble, France, Ph.D., 1987

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**
Council of the International Society of the “Solid State Physics”, International

**RESEARCH INTERESTS**
Photothermal Science: Instrumental and Physical Aspects; Photothermal and Optical Sensors; Semiconductor Science and Devices – Ion Implantation; Solar Materials and Solar Cells

**EDITORIAL BOARDS**
EXTERNAL RESEARCH PROGRAMMES

A New PV Wave Making More Efficient Use of the Solar Spectrum
Cooperating organisations from: Spain (18 Partners); Germany; Russia; France; U.K.; The Netherlands; Switzerland; Italy
Funding: FP6-2002-Energy-1, European Commission

The Diagnosis of Authenticity in Ancient Marble Findings with Luminescent Methods
Cooperating Organizations: University of Cyprus, Cyprus; Cyprus Museum, Cyprus; NCSR “Democritos” – Institute of Archaeometry, Greece
Funding: RPF, Cyprus

The Identification and Diagnosis of Deterioration in the Painting Materials of Byzantine Icons with Optical Technologies/visual methods
Cooperating Organizations: University of Cyprus, Cyprus; Museum of Kykkos Monastery, Cyprus; Restoration Centre of “Ancient Icons, Paintings and Manuscripts” at the Holy Archbishop of Cyprus, Cyprus
Funding: RPF, Cyprus

For Safer Hydrogen Energy: Detecting Photothermal in the Limits of the “Particles per Trillion”
Cooperating Organizations: University of Cyprus, Cyprus; NCSR “Democritos” – Institute of Microelectronics, Greece; University of Thessaloniki, Greece; AIAS Cyprus, Cyprus
Funding: RPF, Cyprus

Photothermal Microscopy under the Effect of External Electric Field: Technological Development and Micro Electronic Applications
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


**DISTINGUISHED PUBLICATIONS**


**GRIGORIOS ITSKOS** Lecturer  
TEL.: 22892835, FAX: 22892821, E-mail: itskos@ucy.ac.cy

**STUDIES**

University of Thessaloniki, Greece, B.Sc. in Physics, 1997  
State University of New York at Buffalo, U.S.A., Ph.D. in Physics, 2003

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**

Materials Research Society (MRS), U.S.A.

**RESEARCH INTERESTS**

Optical and Magneto-Optical Spectroscopy of Semiconductors; Photophysics of Organic and Hybrid Organic-Inorganic Semiconductors for Light Emission and Light Harvesting Applications; Spintronics: Spin Injection in Semiconductors

**EXTERNAL RESEARCH PROGRAMMES**

Center for Fiber Bragg Gratings  
Cooperating organization: University of Cyprus, Cyprus  
Funding: RPF, Cyprus

Molecular Electronics and Photonics  
Cooperating organizations: Cyprus University of Technology, Cyprus; Imperial College London, U.K.; University of Erlangen, Germany  
Funding: RPF, Cyprus
Hybrid electroluminescent devices based on combinations of light-emitting polymers and III-nitride semiconductors
Cooperating organizations: University of Crete, Greece; Cyprus University of Technology, Cyprus
Funding: RPF, Cyprus

PUBLICATIONS

BOOKS

SELECTED JOURNAL PUBLICATIONS


KONSTANTINOS MOULOPoulos

Associate Professor

TEL.: 22892840, FAX: 22892821, E-mail: cos@ucy.ac.cy

STUDIES
University of Athens, Greece, B.Sc. in Physics, 1983
Cornell University, U.S.A., Ph.D. in Physics, 1990

RESEARCH INTERESTS
Theoretical Condensed Matter Physics: Many-Body Coulomb Systems; Superconductivity; Quasicrystals; Nanoscale Physics in Aharonov-Bohm Configurations; Quantum Hall Systems and Topological Phases

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


**SELECTED CONFERENCE PROCEEDINGS**


**DISTINGUISHED PUBLICATIONS**


**ANDREAS OTHONOS** Associate Professor
TEL.: 22892827, FAX: 22892821, E-mail: othonos@ucy.ac.cy

**STUDIES**

University of Toronto, Canada, B.Sc. in Physics, 1984
University of Toronto, Canada, M.Sc. in Physics, 1986
University of Toronto, Canada, Ph.D. in Physics, 1990
RESEARCH INTERESTS
Ultrafast Science; Laser Physics; Semiconductor Physics; Non-linear optics; Nanophotonics

EDITORIAL BOARDS

EXTERNAL RESEARCH PROGRAMMES
A Center for Fiber Bragg Gratings
Cooperating Organization: University of Cyprus, Cyprus
Funding: RPF, Cyprus

Spatial-temporal Probing Nanostructures using Ultrafast Laser Techniques
Cooperating Organizations: University of Cyprus, Cyprus; University of Crete, Greece
Funding: RPF, Cyprus

Study of Ultrafast Carrier Dynamics in InGaN Semiconductors
Cooperating Organizations: University of Cyprus, Cyprus; University of Crete, Greece
Funding: RPF, Cyprus

PUBLICATIONS
SELECTED JOURNAL PUBLICATIONS


**DISTINGUISHED PUBLICATIONS**


---

**HARALAMBOS G. PANAGOPOULOS** Professor
TEL.: 22892832, FAX: 22892821, E-mail: haris@ucy.ac.cy

**STUDIES**

Harvard University, U.S.A., B.A. magna cum laude in Physics, 1979
Massachusetts Institute of Technology (M.I.T.), U.S.A., Ph.D. in Physics, 1984

**PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS**

Union of Cypriot Physicists, Cyprus (Vice President)

**RESEARCH INTERESTS**

Theoretical High Energy Physics and Elementary Particle Physics; Quantum Field Theory; Computational Physics; Non-Perturbative Phenomena in Field Theories; Analytic and Numerical Calculations in Gauge Theories on a Lattice

**EDITORIAL BOARDS**

*Neusus* (Editor), Greece, Nefeli Publications

**INTERNAL RESEARCH PROGRAMMES (University of Cyprus)**

Lattice Quantum Chromodynamics and Computational Condensed Matter Physics
Studies in Strong Interactions: Hadron Structure, Renormalization and Confinement

**EXTERNAL RESEARCH PROGRAMMES**

STRONGnet
Cooperating Organizations: University of Regensburg-Bielefeld-Wuppertal, Germany; University of Edinburgh-Liverpool, UK; University of Madrid, Spain; Trinity College, Ireland; University of Graz, Austria; University of Parma, Italy; E.U.
Funding: European Network
Asymptotic freedom and confinement of quarks: Study of the forces inside nuclei, using simulations and analytical methods
Cooperating Organizations: Oxford University, U.K.; University of Edinburgh, U.K.; University of Pisa, Italy; Max Planck Institute, Germany; DESY, Germany
Funding: RPF, Cyprus

Strong Interaction Physics: Study of properties of hadronic matter, using methods of Quantum Field Theory and large scale simulations
Cooperating Organizations: INFN, Italy; Univ. of Edinburgh, U.K.; Oxford University, U.K.; Max Planck Institute, Germany
Funding: RPF, Cyprus

Computational Physics of Strong Interactions: Properties of hadrons through large scale simulations
Cooperating Organizations: Massachusetts Institute of Technology, U.S.A.; IASA, University of Athens, Greece
Funding: RPF, Cyprus

Hadron Structure in the Chiral Regime
Cooperating Organizations: NIC-DESY, Germany; University of Paris XI, France

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS


SELECTED CONFERENCE PROCEEDINGS


FOTIOS PTOCHOS Associate Professor
TEL.: 22892832, FAX: 22892821, E-mail: fotis@ucy.ac.cy

■ STUDIES
Aristotle University of Thessaloniki, Greece, B.Sc. Physics, 1987
Harvard University, U.S.A., M.Sc. Arts and Sciences, 1990
Harvard University, U.S.A., Ph.D. Physics, 1998

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
American Physical Society, U.S.A.
European Physical Society, Europe

■ RESEARCH INTERESTS
Top, Bottom Quarks; Higgs; Supersymmetry

■ EXTERNAL RESEARCH PROGRAMMES
The Regional Europe at the Center of Modern Scientific Research. Collaboration between Greece and Cyprus in High Energy Physics and Cosmology
Cooperating Organization: University of Cyprus, Cyprus
Funding: European Regional Development Fund, INTEREG-III A and The Governments of Greece and Cyprus.
Fellowship for International Senior Researchers
Funding: Fermi National Laboratory, U.S.A.
Summer Student Fellowships for two Undergraduate Students to work on R & D on novel detectors
Cooperating Organization: Fermi National Laboratory, U.S.A.
Funding: Fermi National Laboratory, U.S.A. and University of Cyprus, Cyprus
Search for Light Neutral NMSSM Higgs Bosons
Funding: RPF, Cyprus

PUBLICATIONS
■ SELECTED JOURNAL PUBLICATIONS


PANOS A. RAZIS  Professor
TEL.: 22892833, FAX: 22892821, E-mail: razis@ucy.ac.cy

■ STUDIES
University of Athens, Greece, B.Sc. in Physics, 1980
Yale University, U.S.A., M.Sc. in Physics, 1982
Yale University, U.S.A., M.Ph. in Physics, 1982
Yale University, U.S.A., Ph.D. in Physics, 1986

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
Hellenic High Energy Physics Society, Greece • European Physical Society, Europe • Greek Physical Society, Greece

■ RESEARCH INTERESTS
Experimental High Energy Physics, with and without Accelerators; Detectors, Electronic Data Acquisition and Calibration; Analysis and Simulation of Events; Unification Models, Supersymmetry and Cosmology; Electromagnetic Radiation and Medical Physics

■ EXTERNAL RESEARCH PROGRAMMES
KM3NeT-PP A European Deep-Sea Research Infrastructure (Neutrino Telescope)
Cooperating organizations: 24 Universities and Research Institutions
Funding: European Commission
Detecting, Monitoring and Studying the Characteristics of Non-Ionizing Electromagnetic Radiation in the Environment, European Union’s Initiative Research Program INTERREG IIIA Greece–Cyprus
Cooperating organizations: University of the Aegean, Greece; Hellenic Open University, Greece
Funding: European Commission

High Energy Physics with the CMS Experiment at LHC
Cooperating Organization: CMS Collaboration, CERN
Funding: RPF, Cyprus

Search for Light Neutral NMSSM Higgs Bosons
Cooperating Organization: CMS Collaboration, CERN
Funding: RPF, Cyprus

Search for the higgs boson
Cooperating Organization: CMS Collaboration, CERN
Funding: RPF, Cyprus

PUBLICATIONS

SELECTED JOURNAL PUBLICATIONS

SELECTED CONFERENCE PROCEEDINGS
DISTINGUISHED PUBLICATIONS

STAVROS THEODORAKIS Associate Professor
TEL.: 22892841, FAX: 22892821, E-mail: stavrost@ucy.ac.cy

STUDIES
University of Sussex, U.K., B.Sc. in Mathematical Physics, 1981
Stanford University, U.S.A., M.Sc. in Theoretical Physics, 1983
Stanford University, U.S.A., Ph.D. in Theoretical Physics, 1986

RESEARCH INTERESTS
Bose-Einstein condensates; Phenomenology of layered superconductors;
Phenomenology of superfluid Helium 3; Nonlinear field equations in Physics

PUBLICATIONS
SELECTED JOURNAL PUBLICATIONS
NICOLAOS TOUMBASS Assistant Professor
TEL.: 22892838, FAX: 22892821, E-mail: nick@ucy.ac.cy

■ STUDIES
Columbia University, U.S.A., B.A. in Physics, 1996
Stanford University, U.S.A., Ph.D. in Theoretical High Energy Physics, 2001

■ RESEARCH INTERESTS
Quantum Gravity, Superstrings, Black Holes

■ EXTERNAL RESEARCH PROGRAMMES
Regional Europe at the Center of Modern research. Collaboration between Greece and
Cyprus in Theoretical High Energy Physics and Cosmology (INTERREG IIIA program)
Cooperating Organization: University of Crete, Greece
Funding: European Commission, Republic of Greece, Republic of Cyprus
Superstring Theory
Cooperating Organization: Marie Curie Research Training Network program
Funding: European Commission

PUBLICATIONS

■ SELECTED JOURNAL PUBLICATIONS
I. Florakis, I., Kounnas, C., & Toumbas, N. (2010). Marginal Deformations of Vacua with Massive boson-
Catelin-Jullien, T., Kounnas, C., Partouche, H., & Toumbas, N. (2009). Induced superstring cosmologies and
HARALAMBOS P. TSERTOS  Professor  
TEL.: 22892847, FAX: 22892821, E-mail: tsertos@ucy.ac.cy

■ STUDIES
Aristotle University of Thessaloniki, Greece, B.Sc. in Physics, 1977  
Technical University of Munich, Germany, M.Sc. in Physics, 1980  
Technical University of Munich, Germany, Ph.D. in Physics, 1985

■ PROFESSIONAL SOCIETIES/INTERNATIONAL ORGANISATIONS
GSI, HADES, International (Collaboration Board Committee) • Hellenic High-Energy Physics Society, Greece

■ RESEARCH INTERESTS
Modern Experimental Hadron and Heavy-Ion Physics at Relativistic Energies: Equation of State (EoS) of Hot and Dense Hadronic Matter, Nuclear Tests of Fundamental Interactions and Symmetries, Particle Detectors and Monte Carlo Simulation Techniques; Experimental Quantum Electrodynamics (QED) of Very Strong Electromagnetic Fields; Environmental and Medical Applications of Nuclear Radiation

■ EXTERNAL RESEARCH PROGRAMMES
Upgrading the existing High-Performance Linux Cluster for Heavy-ion Experiments at GSI and CERN  
Funding: RPF, Cyprus

PUBLICATIONS

■ SELECTED JOURNAL PUBLICATIONS

The HADES Collaboration (2010). In-medium effects on K0 mesons in relativistic heavy-ion collisions. Physical Review C - Nuclear Physics, 82:4.


**DISTINGUISHED PUBLICATIONS**


**SPIROS S. SKOURTIS** Associate Professor  
TEL.: 22892831, FAX: 22892821, E-mail: skourtis@ucy.ac.cy

**STUDIES**  
University of California at Berkeley, U.S.A., Ph.D. in Theoretical Biophysics, 1991

**RESEARCH INTERESTS**  
Modeling of charge and energy transport in biological and molecular systems (solution, molecular junction, single molecule settings); Open quantum systems theory for molecular rate processes in condensed phase environments; Chemical and biological tunneling phenomena; Structure-function and dynamics-function relationships for proteins

**EDITORIAL BOARDS**  
*BMC Biophysics*, (Associate Editor), U.K., BioMed Central Ltd

**EXTERNAL RESEARCH PROGRAMMES**  
Cy-tera a multi-teraflop/s computing facility for science and technology in Cyprus  
Cooperating Organizations: University of Cyprus, Cyprus; Cyprus Institute, Cyprus; National Center for Supercomputing Applications (NCSA), U.S.A.; Julich Supercomputing Center, (JSC) Germany; Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME) Jordan  
Funding: RPF, Cyprus
PUBLICATIONS

CHAPERS IN BOOKS

SELECTED JOURNAL PUBLICATIONS

DISTINGUISHED PUBLICATIONS
APPENDICES

- Doctoral Titles Awarded
- Abbreviations
- Academic Staff Index
<table>
<thead>
<tr>
<th>Name of Graduate</th>
<th>Department</th>
<th>Doctoral Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chatzimina Maria, K.</td>
<td>MAS</td>
<td>Numerical and semi-analytical Solutions of viscoplastic Poiseuille and Couette flows</td>
</tr>
<tr>
<td>Demetriou Elena</td>
<td>MAS</td>
<td>Lie group classification of diffusion-type equations</td>
</tr>
<tr>
<td>Genethliou Nicholas</td>
<td>BIO</td>
<td>A Study on the role of SOX1 in the regulation of glial specification in the developing spinal cord of mice</td>
</tr>
<tr>
<td>Koupepidou Panayiota</td>
<td>BIO</td>
<td>Defective polycystin 2 increases Cellular proliferation in the PKD2 (1-703) transcribing rat subsequent to the appearance of renal cysts</td>
</tr>
<tr>
<td>Koutsou Giannis</td>
<td>PHY</td>
<td>Hadron form factors and hadron deformation from lattice QCD</td>
</tr>
<tr>
<td>Mateou Nicos, H.</td>
<td>CS</td>
<td>A framework For developing intelligent information systems to support decision Making In complex and uncertain environments”</td>
</tr>
<tr>
<td>Mousih Eleni E.</td>
<td>CHE</td>
<td>New structural topologies, high spin molecules and molecular nanomagnets from the use of 1,3-propanediol and its derivatives in manganese carboxylate chemistry</td>
</tr>
<tr>
<td>Papastavrou Stavros</td>
<td>CS</td>
<td>Semantics-based metrics and algorithms for dynamic content in web database applications</td>
</tr>
<tr>
<td>Skouroupathis Apostolos</td>
<td>PHY</td>
<td>Higher–loop renormalization in Lattice QCD and non-perturbative studies of SU(N) Gauge Theories</td>
</tr>
<tr>
<td>Stavrou Kyriacos</td>
<td>CS</td>
<td>The TFlux platform; a portable platform for data-driven multithreading on commodity multiprocessor systems</td>
</tr>
<tr>
<td>Taliadorou Eleni, G.</td>
<td>MAS</td>
<td>Numerical simulations of compressible generalized newtonian flows</td>
</tr>
<tr>
<td>Tsaouvis Christina</td>
<td>MAS</td>
<td>Differential invariants of hyperbolic equations”.</td>
</tr>
<tr>
<td>Tsouloupas Georgios</td>
<td>CS</td>
<td>Grindbench: Resource Performance Ranking And Auditing In Computational Grids”.</td>
</tr>
<tr>
<td>Xing Wei</td>
<td>CS</td>
<td>Acton: managing dynamic information in large-scale distributed systems”.</td>
</tr>
<tr>
<td>Name of Graduate</td>
<td>Department</td>
<td>Doctoral Title</td>
</tr>
<tr>
<td>---------------------------</td>
<td>------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>2009</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antoniou Josephina</td>
<td>CS</td>
<td>Cooperative interactions in converged heterogeneous communication networks</td>
</tr>
<tr>
<td>Chadjiantoniou, Natalia A.</td>
<td>CHE</td>
<td>Synthesis and Characterization of Amphiphilic Multiblock Linear Compolymers and Co-networks</td>
</tr>
<tr>
<td>Georgiadis Dimosthenis</td>
<td>CS</td>
<td>Dynamic workflows in the home eHealthcare provision</td>
</tr>
<tr>
<td>Lamprecht Martin</td>
<td>MAS</td>
<td>Topics in geometric function theory and harmonic analysis</td>
</tr>
<tr>
<td>Milwnas Giannakis</td>
<td>CS</td>
<td>Speed Adaptive Information Dissemination in Vehicular</td>
</tr>
<tr>
<td>Nicolaou Christodoulos, A.</td>
<td>CS</td>
<td>Graph design using knowledge-driven, self-adaptive multi-objective evolutionary graph algorithms</td>
</tr>
<tr>
<td>Paspallis Nearchos</td>
<td>CS</td>
<td>Middleware-based development of context-aware applications with reusable components</td>
</tr>
<tr>
<td>Petsa Athanasia</td>
<td>MAS</td>
<td>Contributions to Wavelet Methods in Nonparametric Statistics</td>
</tr>
<tr>
<td>Polydorides Savvas</td>
<td>PHY</td>
<td>Application of an efficient and accurate generalized Born model to high throughput</td>
</tr>
<tr>
<td>Kousiappa Ioanna</td>
<td>BIO</td>
<td>Genetic heterogeneity and molecular evolution of the human immunodeficiency virus type 1 (HIV-1)</td>
</tr>
<tr>
<td>Koupanou Elena</td>
<td>CHE</td>
<td>Synthesis of stable suspensions of PbS particles using aqueous chemistry methods and various stabilizers. Production of multilayer particle films using the Layer-by-Layer (LBL) assembly method</td>
</tr>
<tr>
<td>Karaolis Minas, A.</td>
<td>CS</td>
<td>Knowledge Mining through Rule Mining in Cardio-vascular Databases Ad-Hoc Networks</td>
</tr>
<tr>
<td>Tamamis Fanourios</td>
<td>PHY</td>
<td>Formation of peptide nanostructures and molecular recognition of complement component protein C3 by compstatin: molecular dynamics Studies</td>
</tr>
<tr>
<td><strong>2010</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andreou Panagiotis</td>
<td>CS</td>
<td>KSPOT: A network-aware framework for energy-efficient data acquisition in wireless sensor networks</td>
</tr>
<tr>
<td>Antoniadis Athos</td>
<td>CS</td>
<td>Discovering disease associated gene-gene interactions: a two SNP interaction analysis framework</td>
</tr>
<tr>
<td>Antoniou Stella, El.</td>
<td>CHE</td>
<td>Effect of natural organic matter (HA) in the stability and solubility of metalions solid phases</td>
</tr>
<tr>
<td>Name of Graduate</td>
<td>Department</td>
<td>Doctoral Title</td>
</tr>
<tr>
<td>------------------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Christoforos Christoforos</td>
<td>CS</td>
<td>(M(III), M(IV), M(VI)) Radio resource management for efficient multicast service in 3rd generation mobile cellular networks</td>
</tr>
<tr>
<td>Christodoulou Eugenia, Ch.</td>
<td>MAS</td>
<td>Extensions of the Singular Function Boundary Integral Method to two and three dimensions</td>
</tr>
<tr>
<td>Cleanthous Aristodemos</td>
<td>CS</td>
<td>In search of self-control through computational modeling of Internal conflict</td>
</tr>
<tr>
<td>Constantinou, Domna A.</td>
<td>CHE</td>
<td>Purification of Commercial Gas Stream of Biomass Gasification from Phenol with a Further Production of H2 Using Catalytic Processes</td>
</tr>
<tr>
<td>Demetriou Victoria, L.</td>
<td>BIO</td>
<td>Genetic studies on the Hepatitis C virus</td>
</tr>
<tr>
<td>Hadjikyriakou Milto</td>
<td>MAS</td>
<td>Probability and moment Inequalities for demimartingales and associated random variables</td>
</tr>
<tr>
<td>Kalamaras Christos, M.</td>
<td>CHE</td>
<td>Mechanistic and Kinetic Studies of the Water-Gas Shift Reaction Using Operando Methodology and Transient Isotopic Techniques</td>
</tr>
<tr>
<td>Malekkou Anna</td>
<td>BIO</td>
<td>Characterization of the human nuclear protein, termed as hCINAP</td>
</tr>
<tr>
<td>Michael Despina, G.</td>
<td>CS</td>
<td>Real – time high quality HDR Illumination and tonemapped rendering</td>
</tr>
<tr>
<td>Neokleous Kleanthis</td>
<td>CS</td>
<td>Computational modeling of visual selective attention</td>
</tr>
<tr>
<td>Pafiti Kyriaki, S.</td>
<td>CHE</td>
<td>Development of synthetic hydrophilic, cationic biomaterials for use in small interfering RNA technology</td>
</tr>
<tr>
<td>Pieridou Galateia, K.</td>
<td>CHE</td>
<td>Uv Resonance Raman Study Of Peptide Ttr (105-115)</td>
</tr>
<tr>
<td>Panagiotou Christoforos</td>
<td>CS</td>
<td>Time Based Personalizations for Wireless User</td>
</tr>
<tr>
<td>Panagidis Andreas</td>
<td>CS</td>
<td>Diagnostically resilient encoding, wireless transmission, and quality assessment of medical video</td>
</tr>
<tr>
<td>Rikkou Maria, P.</td>
<td>CHE</td>
<td>Synthesis Characterization and Degradation of Polymers Based on Degradable Initiators</td>
</tr>
<tr>
<td>Stylianos Stylianou</td>
<td>BIO</td>
<td>Addressing the molecular basis of morphogenetic movements during Xenopus gastrulation with the use of quantum dot nanocrystals : the role of Focal Adhesion Kinase (FAK) during Xenopus development</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Full Form</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>FP6</td>
<td>6th Framework Programme</td>
<td></td>
</tr>
<tr>
<td>FP7</td>
<td>7th Framework Programme</td>
<td></td>
</tr>
<tr>
<td>RPF</td>
<td>Research Promotion Foundation, Cyprus</td>
<td></td>
</tr>
<tr>
<td>ESRC</td>
<td>Economic and Social Research Council</td>
<td></td>
</tr>
<tr>
<td>COST</td>
<td>European Cooperation in Science and Technology</td>
<td></td>
</tr>
<tr>
<td>EUT</td>
<td>Edizioni Universita di Trieste</td>
<td></td>
</tr>
</tbody>
</table>
ACADEMIC STAFF INDEX

Constantinou Andreas, Professor .................................. Department of Biological Sciences .................................. 12
Alexandrou Constantia, Professor .................................. Department of Physics ............................................. 144
Archontis Georgios, Associate Professor ......................... Department of Physics ............................................. 146
Christodoulou Chris, Associate Professor ....................... Department of Computer Science .................................. 63
Christofides Constantinos, Professor .......................... Department of Physics ............................................. 148
Christofides C. Tasos, Professor ................................. Department of Mathematics and Statistics .................. 114
Christoforou C. Cleopatra, Lecturer .......................... Department of Mathematics and Statistics .................. 115
Chronakis Nikos, Assistant Professor ........................ Department of Chemistry ............................................. 34
Chrysanthou L. Yiorgos, Associate Professor ............... Department of Computer Science .................................. 65
Damianou A. Pantelis, Professor ................................. Department of Mathematics and Statistics .................. 116
Deltas Constantinos, Professor ................................. Department of Biological Sciences .......................... 14
Dikaiakos D. Marios, Associate Professor ................ Department of Computer Science .................................. 67
Dimopoulos Yannis, Associate Professor .................. Department of Computer Science .................................. 70
Efstathiou M. Angelos, Professor ............................... Department of Mathematics and Statistics .................. 118
Evripidou Paraskevas, Professor ............................... Department of Computer Science .................................. 71
Fokianos Konstantinos, Associate Professor ............... Department of Mathematics and Statistics .................. 119
Georgiadis Pantelis, Assistant Professor ................ Department of Biological Sciences .................................. 17
Georgiou C. Georgios, Professor ................................. Department of Mathematics and Statistics .................. 119
Hayes C. Sophia, Lecturer .......................................... Department of Chemistry ............................................. 39
Itskos Gregorios, Lecturer ........................................ Department of Physics ............................................. 150
Kakas C. Antonis, Professor ......................................... Department of Computer Science .................. 76
Kapnisi-Christodoulou P. Constantina, Lecturer .......... Department of Chemistry ............................................. 40
Karageorghis Andreas, Professor ............................. Department of Mathematics and Statistics .................. 122
Karagrigoriou Alex, Associate Professor .................. Department of Mathematics and Statistics .................. 123
Keramidas D. Anastasios, Assistant Professor ........ Department of Chemistry ............................................. 41
Keravnou-Papailiou Elpida, Professor ........................ Department of Computer Science .................................. 77
Kirschel Alexander, Lecturer .................................. Department of Biological Sciences .......................... 21
Kostrikis G. Leonidios, Associate Professor ............... Department of Biological Sciences .................................. 22
Koumandos Stamatis, Professor .................................. Department of Mathematics and Statistics .................. 125
Koutentis A. Panayiotis, Associate Professor ........ Department of Chemistry ............................................. 43
Kyriazis George, Associate Professor ....................... Department of Mathematics and Statistics .................. 126
Kirmizis Antonis, Assistant Professor ..................... Department of Biological Sciences .......................... 24
Leontidis B. Epmainononas, Professor ...................... Department of Chemistry ............................................. 46
Mavronicolas Marios, Professor ................................. Department of Computer Science .................. 79
Milakis Emmanouil, Lecturer .................................. Department of Mathematics and Statistics .................. 127
Moulopoulos Konstantinos, Associate Professor ........ Department of Physics ............................................. 151
Nicolaides Athanasios, Associate Professor ........ Department of Chemistry ............................................. 48
Othonos Andreas, Associate Professor ..................... Department of Physics ............................................. 152
Pallikaras A. Christos, Associate Professor ............ Department of Mathematics and Statistics .................. 128
Pallis George, Lecturer ........................................ Department of Computer Science .................. 80
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panagopoulos G. Haralambos</td>
<td>Professor</td>
<td>Department of Computer Science</td>
<td>154</td>
</tr>
<tr>
<td>Papadopoulos A. George</td>
<td>Professor</td>
<td>Department of Physics</td>
<td>82</td>
</tr>
<tr>
<td>Paparoditis G. Efthamios</td>
<td>Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>129</td>
</tr>
<tr>
<td>Paschalides Ioannis</td>
<td>Associate Professor</td>
<td>Department of Chemistry</td>
<td>50</td>
</tr>
<tr>
<td>Patrickios S. Costas</td>
<td>Professor</td>
<td>Department of Chemistry</td>
<td>51</td>
</tr>
<tr>
<td>Pattichis S. Constantinos</td>
<td>Professor</td>
<td>Department of Computer Science</td>
<td>85</td>
</tr>
<tr>
<td>Philippou Anna</td>
<td>Associate Professor</td>
<td>Department of Computer Science</td>
<td>87</td>
</tr>
<tr>
<td>Pinakoulaki Efthia</td>
<td>Lecturer</td>
<td>Department of Chemistry</td>
<td>53</td>
</tr>
<tr>
<td>Pitsillides Andreas</td>
<td>Professor</td>
<td>Department of Computer Science</td>
<td>89</td>
</tr>
<tr>
<td>Promponas Vasili</td>
<td>Lecturer</td>
<td>Department of Biological Sciences</td>
<td>18</td>
</tr>
<tr>
<td>Ptochos Fotios</td>
<td>Associate Professor</td>
<td>Department of Physics</td>
<td>156</td>
</tr>
<tr>
<td>Razis A. Panos</td>
<td>Professor</td>
<td>Department of Physics</td>
<td>157</td>
</tr>
<tr>
<td>Samaras George</td>
<td>Professor</td>
<td>Department of Computer Science</td>
<td>93</td>
</tr>
<tr>
<td>Samiou Evangelia</td>
<td>Assistant Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>130</td>
</tr>
<tr>
<td>Santama Niou</td>
<td>Associate Professor</td>
<td>Department of Biological Sciences</td>
<td>25</td>
</tr>
<tr>
<td>Sapatinas Theofanis</td>
<td>Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>131</td>
</tr>
<tr>
<td>Sazeides Yiannakis</td>
<td>Assistant Professor</td>
<td>Department of Computer Science</td>
<td>96</td>
</tr>
<tr>
<td>Schizas N. Christos</td>
<td>Professor</td>
<td>Department of Computer Science</td>
<td>98</td>
</tr>
<tr>
<td>Skourides Paris</td>
<td>Assistant Professor</td>
<td>Department of Biological Sciences</td>
<td>27</td>
</tr>
<tr>
<td>Skourtis S. Spiros</td>
<td>Associate Professor</td>
<td>Department of Physics</td>
<td>162</td>
</tr>
<tr>
<td>Smyrlias Yiorgos-Sokratis</td>
<td>Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>132</td>
</tr>
<tr>
<td>Sophocleous Christodoulos</td>
<td>Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>134</td>
</tr>
<tr>
<td>Strati Katerina</td>
<td>Lecturer</td>
<td>Department of Biological Sciences</td>
<td>28</td>
</tr>
<tr>
<td>Stylianos Nikos</td>
<td>Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>135</td>
</tr>
<tr>
<td>Tasiopoulos Anastasios</td>
<td>Assistant Professor</td>
<td>Department of Chemistry</td>
<td>55</td>
</tr>
<tr>
<td>Theocharis R. Charis</td>
<td>Professor</td>
<td>Department of Chemistry</td>
<td>57</td>
</tr>
<tr>
<td>Theodorakis Stavros</td>
<td>Associate Professor</td>
<td>Department of Physics</td>
<td>159</td>
</tr>
<tr>
<td>Tountas Nikolaos</td>
<td>Assistant Professor</td>
<td>Department of Physics</td>
<td>160</td>
</tr>
<tr>
<td>Tranquillo Pedro</td>
<td>Assistant Professor</td>
<td>Department of Computer Science</td>
<td>101</td>
</tr>
<tr>
<td>Tertso P. Haralambos</td>
<td>Professor</td>
<td>Department of Physics</td>
<td>161</td>
</tr>
<tr>
<td>Tziolas Nikolaos</td>
<td>Assistant Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>136</td>
</tr>
<tr>
<td>Vassilious Vasios</td>
<td>Assistant Professor</td>
<td>Department of Computer Science</td>
<td>103</td>
</tr>
<tr>
<td>Vidras Alekos</td>
<td>Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>137</td>
</tr>
<tr>
<td>Xenophontos Christos</td>
<td>Associate Professor</td>
<td>Department of Mathematics and Statistics</td>
<td>137</td>
</tr>
<tr>
<td>Zeinalipour Demetris</td>
<td>Lecturer</td>
<td>Department of Computer Science</td>
<td>105</td>
</tr>
</tbody>
</table>