ODYSSEAS KONTOVOURKIS, Ph.D.

SECTION A

PERSONAL DETAILS

Email: kontovourkis.odysseas@ucy.ac.cy
Profile: http://www.ucy.ac.cy/en-US/~odykont.aspx
Website: http://www.okont.com/
Scopus Author ID: 54381941400
http://orcid.org/0000-0001-5804-9657

EMPLOYMENT DETAILS

Position: Assistant Professor
Department: Architecture
Date of appointment: 17.08.2010
Address: University of Cyprus, Department of Architecture, P.O. Box 20537, 1678 Nicosia, CYPRUS
Tel: (+357) 22892976, (+357) 99886413, **Fax:** (+357) 22895056

RESEARCH AND TEACHING INTERESTS
- Computational design and robotic fabrication
  - Automation and robotics in sustainable construction
    [Computer-aided manufacturing (CAM); Robotic Additive Manufacturing and 3D printing; Automated casting; Robotic timber construction]
  - Performance-based multi-objective analysis, design and visualization
    [Computer-aided design (CAD); Building Information Modelling (BIM); Parametric-associative design; Architectural multi-objective analysis; Virtual, Mixed and Augmented Reality (VR, MR & AR); Human behavior physical inputs; Pedestrian movement behavior modeling and circulation design]
  - Reconfigurable, kinetic and bending-active systems
    [Physics-based computer modeling; Physical computing and robotics]
- Integrated computational design and digital fabrication in educational context

STUDIES

01.10.2004- 11.03.2009	**Ph.D., Doctor of Philosophy in Architecture** Department of Architecture and Civil Engineering, University of Bath, Bath, UK
01.04.2001- 31.03.2002	**Research Student**, Certificate Field of Structural Mechanics and Dynamics, Theory of Earthquake Resistant Structures, Department of Architecture Engineering, Osaka University, Osaka, JAPAN
09.1993- 03.1999	**Dip.Arch.**, Diploma in Architecture Engineering, Overall Grade: 9.31/10.0 (Excellent) Field of Architectural Design, Department of Architecture Engineering, National Technical University of Athens (N.T.U.A.), Athens, GREECE *[Awarded First Prize and Silver Medal for the highest overall grade among 157 Graduates of the year 1999]*

POSITIONS HELD
- **Academic**

Since 01.08.2015	**Assistant Professor** Department of Architecture, University of Cyprus (UCY), Nicosia, Cyprus Assistant Professor in the area of Digital Architectural Communication Media Coordinator: Digital Architectural Design and Fabrication Laboratory
17.08.2010- 31.07.2015	**Lecturer** Department of Architecture, University of Cyprus (UCY), Nicosia, Cyprus Lecturer in the area of Digital Architectural Communication Media

Coordinator: Digital Architectural Design and Fabrication Laboratory

18.01.2010- 30.04.2010	**Part-time Adjunct Faculty** Department of Architecture, University of Cyprus (UCY), Nicosia, Cyprus Teaching position in the area of Computer-Aided Design

07.09.2009- 21.12.2009	**Part-time Adjunct Faculty** Department of Architecture, University of Cyprus (UCY), Nicosia, Cyprus Teaching position in the area of Computer-Aided Design

13.08.2010- 02.02.2009	**Assistant Professor** Department of Architecture, University of Nicosia (UNIC), Nicosia, Cyprus Teaching position in the area of Computer-Aided Design

15.09.2008- 02.02.2009	**Full-time academic faculty (unranked)** Department of Architecture, University of Nicosia (UNIC), Nicosia, Cyprus Teaching position in the area of Computer-Aided Design

- **Professional**

Since 08.2010	**Collaborator – Consultant Architect** Participate in National and International Architectural Design Competitions

04.2002- 08.2010	**Principal Architect** Design of private houses Participate in National and International Architectural Design Competitions

06.2008- 08.2008	**Employed as architect** in the architectural office of Phanos N. Loizides and Antonia Shiambela-Loizides 58, Glastonos Str. Office 101, 3041, Limassol, Cyprus Design of private houses

05.2002- 09.2004	**Employed as architect** in the architectural office of Andreas Vardas (Vardas Studio) 18, Neofytou Nocolaidi Avenue, 8011, Pafos, Cyprus Design of offices, apartments, private houses, etc. Participate in National Architectural Design Competitions

05.1999- 07.2000	**Employed as architect** in the architectural office of D.Isaias and T.Papaioannou (Professors of the N.T.U.A.) 88,Themistokleous Street, Exarheia, 10681, Athens, Greece Design of school buildings

ACADEMIC AWARDS, DISTINCTIONS AND OUTSTANDING ACHIEVEMENTS

2018	**Conference paper presented in the ISARC 2018 selected to be published in the ISARC 2018 Special Issue in Elsevier's Automation in Construction** The paper *'Integrating parametric design with robotic additive manufacturing for 3D clay printing: An experimental study'* authored by Kontovourkis, O. & Tryfonos, G. has been listed among the selected papers of the conference ISARC 2018 (International Symposium on Automation and Robotics in Construction) to be published in the journal Automation in Construction.

2016	**Conference paper presented in the eCAADe 2015 selected to be published in the International Journal of Architectural Computing** The paper *'Robotic Fabrication of Tensile Mesh Structures and Real Time Response: The Development and Simulation of a Custom-Made End Effector Tool'* authored by Kontovourkis, O. & Tryfonos, G. has been selected among 148 published papers of the conference eCAADe 2015 (Education in Computer Aided Architectural Design in Europe) to be published in the December 2016 issue of the International Journal of Architectural Computing.

2010	**Conference paper selected as one of the ten best papers of the conference eCAADe 2010** The paper *'Computer-Generated Circulation Diagrams in Macro-Scale Design Investigation'* authored by Kontovourkis, O. has been selected among 95 published papers as one of the ten best papers of the conference eCAADe 2010 (Education in Computer Aided Architectural Design in

Europe) to be published in the special issue of the Automation in Construction journal on 'Future Cities'

2004 - 2005	**British Chevening Scholarship 2004/2005** Full scholarship to support first year [2004/05] of MPhil/PhD Research in Architecture studies at the University of Bath, Foreign and Commonwealth Office (FCO), United Kingdom
2002	**First Prize and Silver Medal of Prometheus the Fire, which is the emblem of the National Technical University of Athens** First graduate student by order of success among 157 Graduates of the year 1999 by National Technical University of Athens (N.T.U.A.), September 19, 2002, Greece
2000 - 2002	**Japanese Government (Monbusho) Scholarship Research Student** Scholarship to support Japanese Language [10/00-04/01] and Research Studies [04/01-04/02] at Osaka University, Japanese Government, Tokyo, Japan
1998 - 1999	**Styliani Samara and Anastasias Synouri Prize** Highest Diploma grade among the Diploma holders of the Department of Architects Engineers in the Year 1999, National Technical University of Athens (N.T.U.A.), Greece
1998 - 1999	**Chrysovergeio Prize** Highest Diploma grade among the Diploma holders of the Department of Architects Engineers in the Year 1999, National Technical University of Athens (N.T.U.A.), Greece
1997 - 1998	**Prize of Lyssandros Kaftantzoglou** Excelled among the students of the Faculty of Architects Engineers for the academic year 1997-1998, National Technical University of Athens (N.T.U.A.), Greece
1997 - 1998	**Prize and Scholarship by Hellenic Technical Chamber (H.T.C.)** Excellent Academic performance during the 1997-1998 Academic Session, Hellenic Technical Chamber (H.T.C.), Greece
1996 - 1997	**Prize of Stamos K. Stournas** Ranked first in the examinations among the students of the 5th -6th and 7th -8th semesters of the Faculty of Architects Engineers the Academic Year 1996-1997, National Technical University of Athens (N.T.U.A.), Greece
1996 - 1997	**Prize of Dimitrios Thomaides** Ranked first among the students of the Faculty of Architects Engineers the Academic Year 1996-1997, National Technical University of Athens (N.T.U.A.), Greece
1996 - 1997	**Prize and Scholarship by Hellenic Technical Chamber (H.T.C.)** Excellent academic performance during the 1996-1997 Academic Session, Hellenic Technical Chamber (H.T.C.), Greece
1996 - 1997	**Prize: 'Always Exceeding' by State Scholarship Foundation (S.S.F.)** Distinction in his studies and morals during the course of study of the academic year 1996-1997 (4th Year) at the Department of Architectural Engineering (N.T.U.A), State Scholarship Foundation (S.S.F.) of Greece, Greece
1996 - 1997	**Scholarship (purse) by State Scholarship Institution (S.S.I.)** Scholarship (purse) for his application in his studies and his excellent conduct during academic year 1996-97 (4th year of studies) of his studies, in the Department of Architects of the Metsovion Technical University, State Scholarship Institution (S.S.I.) of Greece, Greece
1995 - 1996	**Scholarship (with prize money) by Institute of State Scholarships (I.S.S.)** Scholarship (with prize money) for demonstrated by him performance and conduct during the academic year 1995-96 of his attendance at the Department of Architectural Engineering of the National Technical University of Athens, Institute of State Scholarships (I.S.S.) of Greece, Greece
1994 - 1995	**Scholarship (with prize money) by Institute of State Scholarships (I.S.S.)** Scholarship (with prize money) for demonstrated by him performance and conduct during the academic year 1994-95 of his attendance at the Department of Architectural Engineering of the National Technical University of Athens, Institute of State Scholarships (I.S.S.) of Greece, Greece

1994 - 1995	**Prize and Scholarship by Hellenic Technical Chamber (H.T.C.)**
	Excellent academic performance during the 1994-1995 Academic Session, Hellenic Technical Chamber (H.T.C.), Greece

1993 - 1994	**Scholarship (with prize money) by Institute of State Scholarships (I.S.S.)**
	Scholarship (with prize money) for demonstrated by him performance and conduct during the academic year 1993-94 of his attendance at the Department of Architectural Engineering of the National Technical University of Athens, Institute of State Scholarships (I.S.S.) of Greece, Greece

1993 - 1998	**Scholarship by State Scholarship Authority of Cyprus (S.S.A.C)**
	Scholarship to support five years [1993-1998] of Diploma studies in the Department of Architecture Engineering of the National Technical University of Athens, State Scholarship Authority of Cyprus (S.S.A.C), Cyprus

CONSULTANCY PROVISION

- **Participation in International Committees**

2019	Member of the Circular Construction Hub, a trans-European network of circular economy experts in the construction sector developed jointly by Cleantech Bulgaria, Cyprus University of Technology and Paragon Malta with the financial support of EIT Climate-KIC EIT Climate-KIC, Europe
2011	External Reviewer to evaluate proposals submitted for the research program 'Thalis' (Enhancement of Interdisciplinary or/and Interdepartmental Research and Innovation with the Prospect for Recruitment of High-Level Researchers from Abroad via the Implementation of Basic and Applied High-Quality Research) Ministry for Education, Life Long Learning and Religious Affairs, Greece
2010	Member of the Assessment Panel to evaluate proposals submitted for research leading to PhD in Thematic Area V (Engineering, Computer Science, and Communication Engineering) of Research Program Heraclitus II, Research Program Heraclitus II Ministry for Education, Life Long Learning and Religious Affairs, Greece

- **Participation in National Committees**

2019	Scientific Advisor in the Team of Potential Examiners in the subject of Architecture for the Teachers' Written Exams, leading to their Enrolment and Ranking in the List of Appointed Teachers, 2019 Ministry of Education and Culture, Cyprus
	Member of the Examination Committee of the Architectural Technical Drawing and Architectural Drawing subjects of the Cyprus University Entry Exams, 2019 Ministry of Education and Culture, Cyprus
2018	Nominated as Mentor at ONEK Makerspace Residency Scheme Youth Board of Cyprus (ONEK), Cyprus
2017	Scientific Advisor in the Team of Potential Examiners in the subject of Architecture for the Teachers' Written Exams, leading to their Enrolment and Ranking in the List of Appointed Teachers, 2017 Ministry of Education and Culture, Cyprus
	Member of the Examination Committee of the Architectural Technical Drawing subject of the Cyprus University Entry Exams, 2017 Ministry of Education and Culture, Cyprus
	Scientific Expert in the ClimateKIC Themes session, 03.07.2017 Cyprus University of Technology, Limassol, Cyprus
2016	Mentor in the Center of Entrepreneurship (C4E) of the University of Cyprus [Since 2016] University of Cyprus, Cyprus
	Evaluator in the Sponsor Scheme for Enhancing Business and Innovation, 2016 Ministry of Energy, Commerce Industry and Tourism, Cyprus

	Member of the Examination Committee of the Architectural Drawing subject of the Cyprus University Entry Exams, 2016 Ministry of Education and Culture, Cyprus
2014	Member of the Technical Special Committee to Evaluate Study Programs of Private Tertiary Education: Cyprus College, Interior Architecture and Technical Office Management (2 years, full-time or 4 years part-time, Diploma), 2014 Ministry of Education and Culture, Cyprus
2013	Member of the Examination Committee of the Architectural Drawing subject of the Cyprus University Entry Exams, 2013 Ministry of Education and Culture, Cyprus
2012	Member of the Scientific Committee to evaluate proposals submitted for the participation of Cyprus in Architecture Biennale 2012, Venice, Italy Cyprus Architects Association, Cyprus
2011	Examiner for the recruitment of technical services officer (Architect) in Pafos Municipality, Pafos, Cyprus, 19.05.2011 Pafos Municipality, Pafos, Cyprus
2010	Examiner for the recruitment of technical staff in Cyprus Land Development Corporation, Nicosia, Cyprus, 09.11.2010 Cyprus Land Development Corporation, Nicosia, Cyprus

PARTICIPATION IN COMMITTEES

- University Committees

Since 2019	Member of the Safety Committee, University of Cyprus, 2019
2015-2017	Member of the Editorial Board of the Cyprus University Press (CUP), University of Cyprus, 2015
2013-2017	Member of the KE.DI.MA (Centre of Teaching and Learning), University of Cyprus, 2013 [18.09.2013-08.04.2015 & 08.04.2015-31.12.2017]
2013-2017	Member of the School of Engineering Board, University of Cyprus, 2013-2017
2011	Member of the Evaluation Committee in Architectural Competition for the building facilities of the Department of Biological Sciences and common teaching facilities 03, Phase A, University of Cyprus, 2011
	Member of the Health and Safety Committee of the School of Engineering, University of Cyprus, 2011

- Departmental Committees

2013; 2018	Member of the Evaluation Committee in 1st and 6thAnnual Student Competition of the Department of Architecture at the University of Cyprus for the Annual Architecture Award in Memory of George Paraskevaides, 2013; 2018, University of Cyprus
2009-2012; 2018-2019; 2020-2021	Member of L. and T. David Prize Committee, 2009-2012; 2018-2019, Department of Architecture, University of Cyprus
2011-2017	Member of Postgraduate Committee, Department of Architecture, University of Cyprus
Since 2017	Member of Events & Lecture Series Committee, Department of Architecture, University of Cyprus
	Member of Undergraduate Committee, Department of Architecture, University of Cyprus
Since 2013	Editorial Board Member/ Chief Editor and Coordinator of the J.UCY03 & J.UCY 05 (Journal of the Department of Architecture), University of Cyprus
Since 2011	Coordinator of Information Systems and Website Committee, Department of Architecture, University of Cyprus
	Member of Departmental Premises Committee, Department of Architecture, University of Cyprus
	Member of Health and Safety Committee, Department of Architecture, University of Cyprus

Since 2015	Director and Coordinator of the Robotic Construction Research Laboratory, Department of Architecture, University of Cyprus, Cyprus
Since 2010	Director and Coordinator of the Research Laboratory for Digital Developments in Architecture and Prototyping – d2AP, Department of Architecture, University of Cyprus, Cyprus
Since 2010	Coordinator of the Departmental Digital Architectural Design and Fabrication Laboratory, Department of Architecture, University of Cyprus, Cyprus Established the 3D Printers, CNC Laser Cutter, CNC Router and Foam Cutter Laboratories. Responsible for the smooth operation of 3D Printer, CNC Laser Cutter, CNC Router and Foam Cutter machines *[The Department of Architecture supports research and teaching in the area of digital architectural design and fabrication through Computer and Fabrication Labs. The Computer Lab is equipped with workstations [Department of Architecture grant and A. Savvides start-up grant] using a wide range of 3-dimensional design programs including AutoCAD, Allplan, 3DStudio Max, and Rhino/Grasshopper. The Fabrication Lab is equipped with 3D Printer, CNC Laser Cutter, CNC Router and Foam Cutter machines]*
2009 - 2010	Coordinator for the Digital Design and Fabrication Laboratory, Department of Architecture, University of Nicosia, Cyprus
2008-2009	Member of the Library Committee, Department of Architecture, University of Nicosia, Cyprus

DESIGN COMPETITIONS AND ECHIBITIONS REVIEWER

2019	Member of the Jury Committee to evaluate proposals submitted in the 3rd RESTORE Training School of WG3, Bolzano, Italy, 11-14.03.2019 Organized by WG3-Restorative Building and Operation of the European Research Program COST Action CA16114: RESTORE Rethinking Sustainability towards a Regenerative Economy EURAC Research, Bolzano, Italy [Member of Jury Committee]
2018	Member of the Selection Committee to evaluate proposals for the digital design exhibition 'Designing Complexity 2018', 12.04.2018 Organized by Mongeometrija 2018 – 6th International Conference on Geometry and Graphics, 6-9.07.2018 Faculty of Technical Sciences, Novi Sad, Serbia [Member of Selection Committee]
2017	Member of the Jury Committee to evaluate proposals for the Computational Design and Construction Competition among students and young architects, the URBAN FURNITURE project, 13.07.2017 Organized by A&P Andreou Bros Ltd, Nicosia [Member of Jury Committee]
2015	Member of the Jury Committee to evaluate proposals for the Design Competition among Cyprus Elementary Schools: The children, citizens of the future, 10-11.2015 Ministry of Education and Culture, Cyprus [Member of Jury Committee]
2014	Member of the Jury Committee to evaluate proposals for the Christmas Design Challenge [Organized by Tellalis], 10.12.2014 Part of the Nicosia Pop Up Festival 2014, Nicosia [Member of Jury Committee]

EDITORSHIPS AND JOURNALS REVIEWING

2021	**- Journals** Peer Reviewer for the Automation in Construction Journal, *Elsevier Publisher*, 2021 [Peer Reviewer] Peer Reviewer for the Journal of Cleaner Production, *Elsevier Publisher*, 2021 [Peer Reviewer] Peer Reviewer for the Journal SIMULATION: Transactions of The Society for Modeling and Simulation International, *SAGE Publisher*, 2021 [Peer Reviewer] Peer Reviewer for the Applied Science Journal, *MDPI Publisher*, 2021 [Peer Reviewer] Peer Reviewer for the Technology	Architecture + Design Journal, *Routledge - Taylor & Francis Group*, 2021 [Peer Reviewer]

Peer Reviewer for papers submitted in the e-journal *ArchiDOCT* in thematic area of Data, vol. 9, issue 1, July 2021 [Peer Reviewer]

- **Conference proceedings**

Peer Reviewer for papers submitted for the *CAAD Futures Conference: Design Imperatives.* Online Conference [online], 16-18.07.2021 [Peer Reviewer]

Peer Reviewer for papers submitted for the *39th eCAADe Annual Conference: Towards and a new, reconfiguration architecture.* Novi Sad: University of Novi Sad, 8-10.09.2021 [Peer Reviewer]

Peer Reviewer for papers submitted for the *SimAUD 2021: Symposium on Simulation for Architecture and Urban Design.* Online Conference [online], 15-17.04.2021 [Peer Reviewer]

2020

- **Journals**

Peer Reviewer for the Additive Manufacturing Journal, *Elsevier Publisher*, 2020 [Peer Reviewer]

Peer Reviewer for the Journal of Cleaner Production, *Elsevier Publisher*, 2020 [Peer Reviewer]

Peer Reviewer for the International Journal of Architectural Computing, *SAGE Publisher*, 2020 [Peer Reviewer]

Peer Reviewer for the Materials Journal, *MDPI Publisher*, 2020 [Peer Reviewer]

Peer Reviewer for the Applied Science Journal, *MDPI Publisher*, 2020 [Peer Reviewer]

Peer Reviewer for the Symmetry Journal, *MDPI Publisher*, 2020 [Peer Reviewer]

Peer Reviewer for the Springer Nature Applied Sciences Journal, *Springer Publisher*, 2020 [Peer Reviewer]

Peer Reviewer for papers submitted in the e-journal *ArchiDOCT* in thematic area of Urbanities, vol. 8, issue 2, February 2021 [Peer Reviewer]

- **Conference proceedings**

Peer Reviewer for papers submitted for the *SimAUD 2020: Symposium on Simulation for Architecture and Urban Design.* Vienna: TU-Wien [online], 25-27.05.2020 [Peer Reviewer]

Peer Reviewer for papers submitted for the 38th eCAADe Annual Conference*: Anthropologic. Architecture and Fabrication in the Cognitive Age.* Berlin: Technical University of Berlin, 16-18.09.2020 [Peer Reviewer]

2019

- **Journals**

Peer Reviewer for the Additive Manufacturing Journal, *Elsevier Publisher*, 2019 [Peer Reviewer]

Peer Reviewer for the Springer Nature Applied Sciences Journal, *Springer Publisher*, 2019 [Peer Reviewer]

Peer Reviewer for papers submitted in the e-journal *ArchiDOCT* in thematic area of Meta-, vol. 7, issue 2, February 2020 [Peer Reviewer]

Guest Editor of the e-journal *ArchiDOCT* in the thematic area of Forces, vol. 7, issue 1, July 2019 [Guest Editor]

Peer Reviewer for papers submitted in the e-journal *ArchiDOCT* in thematic area of Forces, vol. 7, issue 1, July 2019 [Peer Reviewer]

- **Conference proceedings**

Peer Reviewer for papers submitted for the Proceedings of *OPTARCH2019* conference published by *Procedia Manufacturing, Elsevier*, December 2019 [Peer Reviewer]

Session Chair of D2S1R3-Matter-Digital Production and Robotics 1 in the *37th eCAADe Annual Conference and the XXIII SiGraDi Conference: Architecture in the Age of 4th Industrial Revolution.* Porto: University of Porto, 11-13.09.2019 [Session Chair]

Peer Reviewer (Member of the Expert Reviewers Group Champion Reviewers) of the Scientific Committee for papers submitted for the *37th eCAADe Annual Conference and the XXIII SiGraDi*

Conference: Architecture in the Age of 4th Industrial Revolution. Porto: University of Porto, 11-13.09.2019 [Expert Peer Reviewer]

Peer Reviewer for papers submitted for the *24th Annual Conference of the CADRIA Association for Computer-Aided Architectural Design Research in Asia: Intelligent and Informed*. New Zealand: Victoria University of Wellington, 15-18.04,2019 [Peer Reviewer]

Peer Reviewer for papers submitted for the *SimAUD 2019: Symposium on Simulation for Architecture and Urban Design*. Atlanta: Georgia Tech, 07-09.04.2019 [Peer Reviewer]

2018	**- Journals**

Member of the Scientific Committee of the e-journal *ArchiDOCT* dedicated on doctoral research http://archidoct.net/ [Member of Scientific Committee]

Peer Reviewer for papers submitted in the e-journal *ArchiDOCT* in thematic area of Geometry, vol. 6, issue 2, February 2019 [Peer Reviewer]

Chief Editor of the Journal of Architecture, *J.UCY05*, Department of Architecture, University of Cyprus, Nicosia, in Greek and English [Chief Editor]

- Conference proceedings

Symposium Chair and Organizer of the *6st eCAADe Regional International Symposium: Sustainable Computational Workflows*. Nicosia: University of Cyprus, 24-25.05.2018 [Symposium Chair and Organizer]

Member of the International Scientific Committee of the *1st International Conference on Optimization-Driven Architectural Design (OPTARCH 2019)*, Amman-Jordan, November 5th - 7th, 2019 [Member of International Scientific Committee]

Peer Reviewer for papers submitted for the *6st eCAADe Regional International Symposium: Sustainable Computational Workflows*. Nicosia: University of Cyprus, 24-25.05.2018 [Peer Reviewer]

Peer Reviewer for papers submitted for the *36st Conference on Education in Computer Aided Architectural Design in Europe: Computing for a better tomorrow*. Lodz: Lodz University of Technology, 19-21.09.2018 [Peer Reviewer]

2017	**- Conference proceedings**

Peer Reviewer for papers submitted for the *35st Conference on Education in Computer Aided Architectural Design in Europe: ShoCK! - Sharing Computational Knowledge!,* Rome: Sapienza University of Rome, 20-22.09.2017 [Peer Reviewer]

Peer Reviewer for the papers submitted for the *SimAUD 2017: Symposium on Simulation for Architecture and Urban Design*. Toronto: MaRS Discovery District, 22-24.05.2017 [Peer Reviewer]

2016	**- Conference proceedings**

Peer Reviewer for abstracts submitted for the *Continuum 2016: From Xenakis to the present: The continuum in music and architecture*. Nicosia: University of Cyprus (UCY), 12-14.06.2016 [Peer Reviewer]

Peer Reviewer for abstracts submitted for the *11th European Conference of Products and Process Modelling: ECCPM*. Nicosia: University of Cyprus (UCY), 07-09.09.2016 [Peer Reviewer]

2015 – 2017	**- Journals**

Chief Editor of the Journal of Architecture, *J.UCY04*, Department of Architecture, University of Cyprus, Nicosia, in Greek and English [Chief Editor]

2013	**- Journals**

Peer Reviewer for the Urban Studies Research Journal, *Hindawi Publishing Corporation*, 2013 [Peer Reviewer]

Chief Editor of the Journal of Architecture, *J.UCY03*, Department of Architecture, University of Cyprus, Nicosia, in Greek and English [Chief Editor]

- Conference proceedings

Peer Reviewer for papers submitted for the *31st Conference on Education in Computer Aided Architectural Design in Europe: Computation and performance*. Delft: Delft University of Technology (TU Delft), 18-20.09.2013 [Peer Reviewer]

ORGANIZATION OF CONFERENCES

2018   ***Sustainable Computational Workflows: Computational Design and Fabrication towards Sustainable Products and Processes***, 24-25.05.2018 [Department of Architecture, UCY]
6th eCAADe Regional International Symposium, Department of Architecture, UCY
Symposium Chair and Organizer: Odysseas Kontovourkis

PARTICIPATION/MEMBERSHIP IN PROFESSIONAL SOCIETIES

Since 2019   International Association of Shell and Spatial Structures (IASS)
Since 2015   International Association for Automation and Robotics in Construction (IAARC)
Since 2009   Cyprus Civil Engineers and Architects Association
Since 2008   eCAADe: Education and Research in Computer Aided Architectural Design in Europe (eCAADe)
Since 2000   Scientific and Technical Chamber of Cyprus (ETEK), Nicosia, Cyprus
Licensed/Registered Architect
Since 1999   Cyprus Architects Association, Nicosia, Cyprus
2002-2003   Japanese Institute of Architects (JIA), Japan

SECTION B

RESEARCH PROJECTS

2021 - 2025	Title: ***Additively Manufactured Optimized Structures by means of Machine Learning*** Acronym: **ADDOPTML** Type: European, Funding: External, Funding Authority: European Commission, H2020-MSCA-RISE-2020 Author's Role: Participant - Member of the Research Team 05.2021 – 04.2025 Status: Ongoing Affiliated Organization: National Technical University of Athens, Country: Greece Internet access: http://addoptml.ntua.gr/ Description: Additively Manufactured Optimized Structures by means of Machine Learning Budget (€):2.410.400, UCY Budget (€):73.600
2020 - 2023	Title: ***Enhancing of Heritage Awareness and Sustainability of Built Environment in Architectural and Urban Design Higher Education*** Acronym: **HERSUS** Type: European, Funding: External, Funding Authority: Erasmus+ Author's Role: Principle Investigator 01.11.2020-31.08.2023 Status: Ongoing Affiliated Organization: University of Belgrade, Country: Serbia Internet access: https://hersus.org/ Description: Enhancing of Heritage Awareness and Sustainability of Built Environment in Architectural and Urban Design Higher Education Budget (€):269818, UCY Budget (€):44204
2019 - 2020	Title: ***Sustainable Urban Governance through Augmented Reality*** Acronym: **SUGAR** Type: RESTART 2016-2020 - International Collaboration - Dual Targeting, Funding: External, Funding Authority: Research Promotion Foundation Author's Role: Participant - Member of the Research Team of the University of Cyprus (Research Partner) 03.2019-03.2020 Status: Completed Affiliated Organization: University of Cyprus, Country: Cyprus Internet access: https://sugar.cyprusinteractionlab.com/ Description: Sustainable Urban Governance through Augmented Reality Budget (€): 80000.00, UCY Budget (€):8400.00
2017 - 2021	Title: ***European Research Program COST Action CA16114 Rethinking Sustainability towards a Regenerative Economy*** Acronym: **RESTORE** Type: European, Funding: External, Funding Authority: European Commission Author's Role: - Member of the Management Committee (MC) - Participant in WG3 – Regenerative Construction and Operation as Vice-Leader of the subgroup WG3.2 Regenerative Construction - Participant in WG4 – Rethinking Technology as Leader of the subgroup WG4.1f Case studies. - Participation in WG5 – Scale Jumping as Leader of the subgroup WG5.2-3 Emerging Technologies 09.03.2017-08.03.2021 Status: Completed Affiliated Organization: University of Cyprus, Country: Cyprus Internet access: http://www.eurestore.eu/ Description: Rethinking Sustainability towards a Regenerative Economy Budget (€): - UCY Budget (€): Accommodation, living, and transportation expenses

2016 - 2020	Title: ***Optimization Driven Architectural Design of Structures*** Acronym: **OptArch** Type: European, Funding: External Funding Authority: European Commission, H2020-MSCA-RISE-2015 Author's Role: Participant - Member of the Research Team 01.02.2016-31.01.2020 Status: Completed Affiliated Organization: National Technical University of Athens, Country: Greece Coordinator: National technical University of Athens, Greece Beneficiary: University of Cyprus, Cyprus; University Paris Diderot – Paris 7, France; Shape Idiotiki Kefalaiouchiki Etairia, Greece; Gediz University, Turkey; Yasar University, Turkey; Americal Computers and Engineers Hellas SA, Greece; Ecole Polytechnique, France; Institute Polytechnique De Grenoble, France; IOPTI, France; Izmir Institute of Technology, Turkey Internet access: http://optarch.ntua.gr Description: Optimization Architectural Design of Structures Budget (€): 1620000.00, UCY Budget (€):108000.00
2016 - 2018	Title: ***Innovative Modular Brick Unit System for the Environmental Design of Building Envelope*** Acronym: **EcoBrick** Type: National, Funding: Internal (Interdepartmental) Funding Authority: University of Cyprus Author's Role: Participant - Member of the Research Team 12.2016-11.2018 Status: Completed Affiliated Organization: University of Cyprus, Country: Cyprus Description: The EcoBrick project looks into the embodied energy and energy efficiency of a modular masonry system. Moreover, it investigates various mix designs and deals with the characterization of the physico-mechanical properties of the end products. Budget (€): 21000.00
2015 - 2016	Title: ***Synergetic Multi-Objective Design and Construction of Timber Pavilion Prototypes*** Acronym: **SYNERGY** Type: National, Funding: External Funding Authority: Charalambides Christis Company (Private research funding) Author's Role: Principle Investigator 01.04.2015-31.01.2017 Status: Completed Affiliated Organization: University of Cyprus, Country: Cyprus Description: Synergetic Multi-Objective Design and Construction of Timber Pavilion Prototypes Budget (€): 100000.00
02. 2014- 06.2014	Title: ***Development of a flexible and adaptable spatial structural system*** Type: National, Funding: Internal Funding Authority: Department of Architecture, University of Cyprus Author's Role: Project Coordinator and Principle Investigator 01.02.2014-30.06.2014 Status: Completed Affiliated Organization: University of Cyprus, Country: Cyprus Description: This research project focuses on the design development, implementation and motor control of a flexible and adaptable spatial structural system based on the bottom-up development procedure, parametric associative and physics based modeling Budget (€): 5000.00
2012-2014	Title: ***Digital Architectural Design and Fabrication Laboratory – Robotic Arm*** Type: National, Funding: Internal (Start-up Research Grant) Funding Authority: University of Cyprus Author's Role: Project Coordinator and Principle Investigator 2012 (Training), 19.09.2013-31.12.2014 (Robotic Arm)

Status: Completed
Affiliated Organization: University of Cyprus, Country: Cyprus
Description: This research project aims to establish a Laboratory for Digital Architectural Design and Fabrication of complex, non-standard three-dimensional building structures and forms providing advanced prototyping solutions using Robotic Arm in fabrication process
The project is financed by the University of Cyprus under the start-up research grant program (currently in the process of purchasing and installing the Robotic Arm)
Budget (€): 2000.00 (Training) and 72000.00 (Robotic Arm)

2008 - 2012   Title: **European Research Program COST Action** *TU0801 Semantic enrichment of 3D city models for sustainable urban development*
Type: European, Funding: External, Funding Authority: European Commission (COST - European Cooperation in the field of Scientific and Technical Research)
Author's Role: Participant - Member of the Management Committee (MC) and Working Group 1 (WG1)
04.11.2008-03.11.2012
Status: Completed
Affiliated Organization: University of Cyprus, Country: Cyprus
Internet access: http://www.cost.eu/COST_Actions/tud/TU0801
Description: Semantic enrichment of 3D city models for sustainable urban development
Budget (€): - UCY Budget (€): Accommodation, living, and transportation expenses

OTHER RESEARCH EXPERIENCE

- **Research studies**

01.10.2004-   **Doctoral Dissertation**
11.03.2009   PhD in Architecture, Department of Architecture and Civil Engineering
University of Bath, Bath, United Kingdom
PhD Dissertation: ***Computer-generated circulation diagrams***
Supervisor: Dr Chris J. K. Williams, Senior Lecturer
Areas of concentration: Digital design process, algorithmic design, pedestrian modeling, circulation diagrams

01.04.2001-   **Research in Architecture Engineering**
31.03.2002   Field of Structural Mechanics and Dynamics, Theory of Earthquake Resistant Structures, Department of Architecture Engineering, Osaka University, Osaka, Japan
Research study: ***Conceptual design of structural elements based on intuitive aesthetic sense and on super fine stress analysis by using LS-DYNA***
Supervisor: Professor Tachibana Eizaburo
Areas of concentration: Digital design process, structural analysis, structural elements

- **Research assistant**

1997   **Research assistant** for the project:
'Depicting the stops of the electric train and future integration with the stops of the Underground trains in Athens'
National Technical University of Athens, Athens, Greece
Professor in charge: S. Raftopoulos

1996 - 1997   **Research assistant** for the project:
'Classification and listing of the drawing archive of J.Despotopoulos (Professor of N.T.U.A.)'
National Technical University of Athens, Athens, Greece
Professor in charge: M. Adami

SECTION C

PUBLICATIONS

- **Books authorship**

2019 **BA02.** Michael, A., Phocas, M.C., **Kontovourkis, O.** 2019, *Architectural Synergies. Participatory Design and Construction of Timber Pavilion Prototypes*. Department of Architecture, University of Cyprus, Nicosia, in Greek and in English [ISBN 978-9963-700-98-1] [103 p.]

BA01. Kontovourkis, O. and Savvides, A., 2019. *Fabritopia.* Department of Architecture, University of Cyprus, Nicosia, in English [ISBN 978-9925-553-15-0] [98 p.]

- **Books and journals editorship**

2020 **BE04. Kontovourkis, O.**, Phocas, M.C., Pyla, P., Stratis, S., Chadjichristos, C. (eds.), 2020. *Journal of Architecture, J.UCY-05*, Department of Architecture, University of Cyprus, Nicosia, in Greek and in English [ISSN 1986-1346 (print) – ISSN 2421-7794 (online)] [590 p.]

2019 **BE03. Kontovourkis, O.** (ed.), 2019. *Forces*. ArchiDOCT e-journal, Vol. 7, N. 1 [ISSN 2309-0103] [116 p.]

2018 **BE02. Kontovourkis, O.** (ed.), 2018. *Sustainable Computational Workflows [6th eCAADe Regional International Workshop Proceedings]*, Department of Architecture, University of Cyprus, Nicosia, Cyprus [ISBN 9789491207143] [166 p.]

2015 **BE01. Kontovourkis, O.**, Phocas, M.C., Pyla, P., Stratis, S. (eds.), 2015. *Journal of Architecture, J.UCY-03*, Department of Architecture, University of Cyprus, Nicosia, in Greek and in English [ISSN 1986-1346 (print) – ISSN 2421-7794 (online)] [413 p.]

- **Chapters in books**

2021 **BC07. Kontovourkis, O.**, 2021. 3D Printing Technology within a Regenerative Construction Framework. In: M.B. Andreucci, A. Marvuglia, M. Baltov, P. Hansen, eds. *Rethinking Sustainability Towards a Regenerative Economy, Future City 15,* Springier, Cham, pp.245-261, https://doi.org/10.1007/978-3-030-71819-0_13 [15 p.]

2019 **BC06. Kontovourkis, O.**, 2019. Path systems connecting forces, materials and robotic tools. Integrated computational design optimization and robotic fabrication workflows. In: O. Kontovourkis, *ed. ArchiDOCT: Forces*, *Vol. 7, N. 1*, pp. 15-30, ISSN: 2309-0103 [16 p.]

BC05. Phocas, M.C., **Kontovourkis O.**, Georgiou, N.I., 2019. Bio-Pulse Oscillations Driven Design of Kinetic Structures. In: U.T. Bezerra, H.S. Ferreira, N.P. Barbosa, *eds. Frontiers in Biomaterials: Bio-Inspired Materials, Vol. 6.* Bentham e-Books, pp. 1-25 [25 p.]

2018 **BC04. Kontovourkis O.**, Alexandrou K., Frangogiannopoulos S., 2018. Encoding Gesture-Oriented Human Behaviour for the Development and Control of an Adaptive Building Skin. In: M. Rossi, G. Buratti, eds. *Computational Morphologies*. Springer, Cham, pp. 133-146, https://doi.org/10.1007/978-3-319-60919-5_10 [14 p.]

2014 **BC03. Kontovourkis, O.**, 2014. Computational mechanisms in architectural adaptation and interaction process through human behavior physical inputs. *Architecturae et Artibus,* Politechnika Bialostocka, Vol. 19, N.1, pp. 29-33 [ISSN 2080-9638] [5 p.]

2012 **BC02.** Leduc, T. and **Kontovourkis, O.**, 2012. Towards a mixed approach combining visibility and mobility studies to analyze the Eleftheria Square, Nicosia (CY). In: R. Billen, M. Caglioni, O. Marina, G. Rabino, R. San Jose, eds. *3D Issues in Urban and Environmental Systems*, Bologna: Societa Editrice Esculapio, pp. 67-77 [11 p.]

2008 **BC01.** Williams, C. J. K. and **Kontovourkis, O.**, 2008. Practical Emergence. In: D. Littlefield, ed. *Space Craft: Developments in Architectural Computing.* London: RIBA Publishing, pp. 68-81 [14 p.]

- **Scientific journals [Refereed]**

2021 **J18. Kontovourkis, O.** and Tryfonos, G., 2021. Multi-objective optimisation of tensile mesh structures for toolpath generation and robotic fabrication, *International Journal of Space Structures*, SAGE [Second Revision Submitted]

J17. Kontovourkis, O. and Konatzii, P., 2021. Environmental and cost assessment of customized modular wall components production based on an adaptive formwork casting mechanism, *Journal of Cleaner Production*, Elsevier, Vol. 286, https://doi.org/10.1016/j.jclepro.2020.125380 [18 p.]

J16. Haselsteiner, E., Vula Rizvanolli, B., Villoria Sáez, P., **Kontovourkis, O.**, 2021. Drivers and Barriers Leading to a Successful Paradigm Shift toward Regenerative Neighborhoods, *Sustainability*, MDPI, Vol. 13(9), 5179, https://doi.org/10.3390/su13095179 [22 p.]

2020   **J15. Kontovourkis, O.**, Tryfonos, G., Georgiou, C., 2020. Robotic additive manufacturing (RAM) with clay using topology optimization principles for toolpath planning: the example of a building element. *Architectural Science Review*, Taylor & Francis, Vol. 63(2), https://doi.org/10.1080/00038628.2019.1620170 [14 p.]

J14. Kontovourkis, O. and Tryfonos, G., 2020. Robotic 3D clay printing of prefabricated non-conventional wall components based on a parametric-integrated design, *Automation in Construction*, Elsevier, Vol. 110, https://doi.org/10.1016/j.autcon.2019.103005 [19 p.]

2019   **J13. Kontovourkis, O.**, Phocas, M.C. and Katsambas, C., 2019. Digital to physical development of a reconfigurable modular formwork for concrete casting and assembling of a shell structure, *Automation in Construction*, Elsevier, Vol. 106, https://doi.org/10.1016/j.autcon.2019.102855 [23 p.]

2017   **J12. Kontovourkis, O.**, Phocas, M.C., Alexandrou, K. & Frangogiannopoulos, S., 2017. Configuration and deformation control of a hybrid bending-active structure. *International Journal of Computational Methods and Experimental Measurements*, WIT Press, Vol. 5, N. 4, pp. 475-483 doi: 10.2495/CMEM-V5-N4-475-483 [9 p.]

J11. Phocas, M.C., **Kontovourkis, O.** & Georgiou, N.I., 2017. High-rise airflow structural concept. *International Journal of Design & Nature and Ecodynamics,* WIT Press, Vol. 12, N. 2, pp. 176-184 doi: 10.2495/DNE-V12-N2-176-184 [8 p.]

J10. Phocas, M.C., **Kontovourkis, O.** & Alexandrou, K., 2017. Post-reflecting on the process of integral design of an adaptive footbridge structure using bending-active principles. *International Journal of Design & Nature and Ecodynamics,* WIT Press, Vol. 12, N. 1, pp. 86-100 doi: 10.2495/DNE-V12-N1-86-100 [14 p.]

2016   **J09. Kontovourkis, O.** and Tryfonos, G., 2016. Design optimization and robotic fabrication of tensile mesh structures: The development and simulation of a custom-made end-effector tool. *International Journal of Architectural Computing*, SAGE, Vol. 14, No. 6 doi: 10.1177/1478077116670742 [16 p.]

2015   **J08. Kontovourkis, O.**, Phocas, M.C., Lamprou, I., 2015. Adaptive kinetic structural behavior through machine learning: Optimizing the process of kinematic transformation using artificial neural networks. *Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM*, Cambridge University Press, Vol. 29, No. 4, pp. 371-391 doi:10.1017/S0890060415000396 [21 p.]

J07. Kontovourkis, O., Phocas, M.C., Konatzii, P., 2015. Bottom-up design, construction and control of a reconfigurable structural system. *Journal of the International Association of Shell and Spatial Structure: J.IASS*, Vol. 56, No. 2, pp. 101-112 [ISSN 1028-365X (Print); ISSN 1996-9015 (Online)] [12 p.]

2014   **J06.** Phocas, M.C., **Kontovourkis, O.**, Nicolaou, N., 2014. Design concept of a kinetic form-active hybrid envelope structure. *International Journal of Design & Nature and Ecodynamics, WIT Press*, Vol. 9, N. 1, pp. 13-30, doi: 10.2495/DNE-V9-N1-13-30 [18 p.]

2013   **J05.** Sarvani, V., **Kontovourkis, O.**, 2013. Parametric design of a high-rise habitation unit system through lighting and solar energy performances. *Journal of Sustainable Architecture and Civil Engineering,* Kaunas University of Technology, Vol. 3, N. 4, pp. 9-18, doi: https://doi.org/10.5755/j01.sace.3.4.4723 [10 p.]

J04. Kontovourkis, O., Phocas, M.C., Tryfonos, G., 2013. Prototyping of an Adaptive Structure based on Physical Conditions. *International Journal of Architectural Computing*, Multi-Science Co., Vol. 11, No. 2, pp. 205-225, https://doi.org/10.1260/1478-0771.11.2.205 [21 p.]

2012   **J03.** Phocas, M.C., **Kontovourkis, O.**, Ioannou, T., 2012. Interdisciplinary Research Based Design: The Case of a Kinetic Form-Active Tensile Membrane. *Architectural Engineering Technology*, OMICS, Vol. 1, No. 2, doi: 10.4172/2168-9717.1000104 [7 p.]

J02. Phocas, M.C., **Kontovourkis, O.**, Matheou, M., 2012. Kinetic Hybrid Structure Development and Simulation. *International Journal of Architectural Computing*, Multi-Science Co., Vol. 10, No. 1, pp. 67-86, doi: 10.1260/1478-0771.10.1.67 [20 p.]

J01. Kontovourkis, O., 2012. Design of circulation diagrams in macro-scale level based on human movement behavior modeling. *Automation in Construction*, Elsevier B.V., Vol. *22*, pp. 12-23. doi:10.1016/j.autcon.2011.10.002 [12 p.]

- **Conference proceedings [Refereed]**
  - **Published/In Print**

2021   **C39. Kontovourkis, O.**, Tryfonos, G., 2021. A hybrid robotic construction approach in large scale: The example of a tree-like timber branching structure development. In V. Stojakovic and B. Tepavcevic eds. *Proceedings of the 39th Conference on Education in Computer Aided Architectural Design in Europe: Towards and a new, reconfiguration architecture (Volume 2).* Novi Sad: University of Novi Sad, pp. 189-198 [10 p.]

C38. Kontovourkis, O., Konstantinou, A., Kyrizi, N., Tziourrou, P., 2021. Built-In Immersive VR Technology for Decision-Making in Design and Simulation of a Flexible Shading Device. In S. Abdelmohsen, T. El-Khouly, Z. Mallasi and A. Bennadji eds. *Proceedings of the 9th International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2021). Cairo:* The American University in Cairo (AUC) [Online Conference], 190-200 [11 p.]

2020   **C37. Kontovourkis, O.**, Stylianou, S. and Kyriakides, G., 2020. An open-source bio-based material system development for sustainable digital fabrication. In L. Werner and D. Koering eds. *Proceedings of the 38th Conference on Education in Computer Aided Architectural Design in Europe: Anthropologic: Architecture and Fabrication in the cognitive age (Volume 2).* Berlin: TU Berlin, pp. 31-40 [10 p.]

C36. Kontovourkis, O., Phocas, M.C., Tryfonos, G., Georgiou, C., 2020. Multi-axis 3D printing of material reduced shell structures on a reconfigurable supporting system using topology optimization principles, *Procedia Manufacturing,* Elsevier, Vol. 44, pp. 379-386, https://doi.org/10.1016/j.promfg.2020.02.280 [8 p.]

2019   **C35.** Dimitriou, P., Phocas, M.C., **Kontovourkis, O.**, Matheou, M., Christoforou, E.G., 2019. Deployment and reconfiguration approach of linkage structures. In M. Gorgolewski and M. Asefi eds. *Proceedings of International Conference on Emerging Technologies in Architectural Design (ICETAD2019).* Toronto, Canada [8 p.]

C34. Kontovourkis, O., Tryfonos, G., Konatzii, P., 2019. A review on environmental and economic potential of robotic construction in actual scale driven by structural optimization. In C. Lázaro, K.-U. Bletzinger, E. Oñate eds. *Proceedings of the IASS Annual Symposium 2019 – Structural Membranes 2019: Form and Force.* Barcelona, Spain, pp. 828-835 [8 p.]

C33. Kontovourkis, O., Georgiou, C., Stroumpoulis, A., Kounnis, K., Dionyses, C., Bagdati, S., 2019. Implementing Augmented Reality for the Holographic Assembly of a Modular Shading Device. In J.P. Sousa, J.P. Xavier and G. Castro Henriques eds. *Proceedings of the 37th Conference on Education in Computer Aided Architectural Design in Europe and the XXIII SiGraDi Conference: Architecture in the Age of 4th Industrial Revolution (Volume 3).* Porto: University of Porto, pp. 149-158 [10 p.]

C32. Kontovourkis, O. and Stroumpoulis A., 2019. Virtual Reality for prototyping compression-only structures. In N. Steinø, M. Kraus eds. *Proceedings of the 7th eCAADe Regional International Symposium on Education and Research in Computer Aided Architectural Design in Europe (eCAADe RIS 2019): Virtually Real. Immersing into the Unbuilt.* Aalborg: Aalborg University, pp. 5-14 [10 p.]

2018

C31. Kontovourkis, O. and Doumanidis, C.C., 2018. ICARUS Project - An open source platform for computer programming in architectural teaching and research. In A. Kepczynska-Walczak ed. *Proceedings of the 36th Conference on Education in Computer Aided Architectural Design in Europe: Computing for a better tomorrow (Volume 1)*. Lodz: Lodz University of Technology, pp. 341-350 [10 p.]

C30. Kontovourkis, O. and Tryfonos, G., 2018. Integrating parametric design with robotic additive manufacturing for 3D clay printing: An experimental study. *Proceedings of the 35th International Symposium on Automation and Robotics in Construction*. Berlin, pp. 909-916 [10 p.]
[Selected to be published in the in the special issue ISARC 2018 (International Symposium on Automation and Robotics in Construction) of the journal Automation in Construction]

C29. Kontovourkis, O. and Tryfonos, G., 2018. An integrated robotically driven workflow for the development of elastic tensile structures in various scales. In O. Kontovourkis ed. *Proceedings of the 6th eCAADe Regional International Symposium: Sustainable Computational Workflows.* Nicosia: University of Cyprus, pp. 111-120 [10 p.]

C28. Kontovourkis, O. and Konatzii, P., 2018. Design-static analysis and environmental assessment investigation based on a kinetic formwork driven by digital fabrication principles. In O. Kontovourkis ed. *Proceedings of the 6th eCAADe Regional International Symposium: Sustainable Computational Workflows.* Nicosia: University of Cyprus, pp. 131-140 [10 p.]

C27. Kontovourkis, O., Katsambas, C., Koufopavlou, E., Kyriakou, E., Paschali M. and Stylianou S., 2018. Dual-user interaction in virtual environment towards robotic construction of masonry systems. *Proceedings of the CIB*IAARC W119 International Conference on Smart, Sustainable and Sensuous Settlements Transformation (3SSettlements) 2018 Workshop*. Munich: Technical University of Munich, pp. 176-183 [8 p.]

2017

C26. Kontovourkis, O., 2017. Multi-objective design optimization and robotic fabrication towards sustainable construction - The example of a timber structure in actual scale. In A. Fioravanti, S. Cursi, S. Elahmar, S. Gargaro, G. Loffreda, G. Novembri, A. Trento, eds. *Proceedings of the 35th Conference on Education in Computer Aided Architectural Design in Europe: ShoCK! - Sharing Computational Knowledge! (Volume 2).* Rome: Sapienza University of Rome, pp. 125-134 [10 p.]

C25. Kontovourkis, O. and Michael, P., 2017. A robotically-driven additive construction planning process using an ecological material. The introduction of 3D clay printing for large scale construction. In A.B. Spaeth and W. Jabi eds. *Proceedings of the 5th eCAADe Regional International Symposium: The Virtual and the Physical. Between the representation of space and the making of space*. Wales: Cardiff University, pp. 95-104 [10 p.]

C24. Kontovourkis, O. & Demartinou, E., 2017. Modular formwork system layout development and assembly in actual scale based on robotic technology. In F. Moreira da Silva, H. Bártolo, P. Bártolo, R. Almendra, F. Roseta, H.A. Almeida and A.C. Lemos eds. *Challenges for Technology Innovation: An Agenda for the Future, Taylor & Francis Group,* pp. 89–94 [7 p.]

C23. Michael, A., **Kontovourkis, O.** & Phocas, M.C., 2017. Architectural synergies: Participatory design and construction of a pavilion prototype. In M. Couceiro da Costa, F. Roseta, J.P. Lages and S. Couceiro da Costa eds. *Architectural Research Addressing Societal Challenges, Taylor & Francis Group,* pp. 1031-1038 [8 p.]

2016

C22. Kontovourkis, O., Konatzii, P., 2016. Optimization process towards robotic manufacturing in actual scale - The implementation of Genetic Algorithms in the robotic construction of modular formwork systems. In A. Herneoja, T. Österlund and P. Markkanen, eds. *Proceedings of the 34th Conference on Education in Computer Aided Architectural Design in Europe: Complexity & Simplicity (Volume 1)*. Oulu: University of Oulu, pp. 169-178 [10 p.]

C21. Kontovourkis, O., Dimitriou, I., Chatzimanolis, K.P., Stylianou, M., Michael, P., Gregoriou, S., 2016. Development of physical control and virtual navigation mechanisms to enhance active collaboration between architects and clients in a reactive digital space. *Proceedings of the 4th eCAADe Regional International Workshop: Between*

computational models and performative capacities. Novi Sad: University of Novi Sad, pp. 40-49 [10 p.]

2015   **C20. Kontovourkis, O.**, Michael, A., Alexandrou, K., Vassiliades, K., 2015. Lighting performance simulation and adaptive control of an advanced building skin based on human behaviour inputs. *Proceedings of the 10th Conference on Advanced Building Skins*. Munich: Economic Forum, pp. 1340-1349 [10 p.]

C19. Michael, A., **Kontovourkis, O.**, Kalogirou, S., Gregoriou, S., 2015. Integration of a lightweight plug-in adaptive envelope to maximize performance of natural lighting of existing buildings. *Proceedings of the 10th Conference on Advanced Building Skins*. Munich: Economic Forum, pp. 1360-1369 [10 p.]

C18. Kontovourkis, O., Tryfonos, G., 2015. Robotic Fabrication of Tensile Mesh Structures and Real Time Response. The Development and Simulation of a Custom-Made End Effector Tool. In: B. Martens, G. Wurzer, T. Grasl, W. E. Lorenz, R. Schaffranek, eds. *Proceedings of the 33th Conference on Education in Computer Aided Architectural Design in Europe: Real Time - Extending the Reach of Computation (Volume 2)*. Wien: Technical University of Wien, pp. 389-398 [10 p.]
[Selected to be published in the in the December 2016 issue of the International Journal of Architectural Computing]

C17. Kontovourkis, O., Tryfonos, G., 2015. An additive robotic fabrication methodology for tensile mesh structures development. *Proceedings of the International Association of Shell and Spatial Structures (IASS) 2015 Annual Symposium on Future Visions*. Amsterdam, The Netherlands [11 p.]

C16. Kontovourkis, O., Konatzii, P., 2015. A robotically driven methodology for the construction of an adaptive modular system. *Proceedings of the International Association of Shell and Spatial Structures (IASS) 2015 Annual Symposium on Future Visions*. Amsterdam, The Netherlands [11 p.]

2014   **C15. Kontovourkis, O.**, Phocas, M.C., Christoforou, E. G., Konatzii, P., 2014. Informed design strategy for the development of a reconfigurable modular structure. In: M. Voyatzaki, ed. *Proceedings of the ENHSA International Conference What's the matter: Materiality and Materialism at the Age of Computation*. Barcelona: COAC, ETSAB, ETSAV, pp. 753-767 [15 p.]

C14. Kontovourkis, O., Tryfonos, G., 2014. Physical input-driven offline robotic simulation through a feedback loop process. In: E. M. Thompson, ed. *Proceedings of the 32th Conference on Education in Computer Aided Architectural Design in Europe: Fusion - Data Integration at its best (Volume 1)*. Newcastle upon Tyne: Northumbria University, pp. 411-421 [11 p.]

C13. Kontovourkis, O., Anagiotou, D., 2014. Integrative Pedestrian Modelling Techniques based on Virtual Force Fields: Analysis, Generation and Evaluation in Public Open Spaces. In: E. M. Thompson, ed. *Proceedings of the 32th Conference on Education in Computer Aided Architectural Design in Europe: Fusion - Data Integration at its best (Volume 1)*. Newcastle upon Tyne: Northumbria University, pp. 153-163 [11 p.]

C12. Phocas, M.C., **Kontovourkis, O.**, Alexandrou, K., 2014. Structural and construction design of a cable bending-active structure. In: N. Te Temmerman & C. A. Brebbia, eds. *Proceedings of the 4th International Conference on Mobile, Adaptable and Rapidly Assembled Structures: MARAS 2014*. Ostend: Wessex Institute of Technology& Vrije Universiteit Brussel, pp. 59-70 [12 p.]

2013   **C11. Kontovourkis, O.**, 2013. Physical data computing in adaptive design process. In: M. Asefi, ed. *Proceeding of the International Conference on Adaptation and Movement in Architecture: ICAMA 2013*. Toronto: Ryerson University, pp. 463-475 [13 p.]

C10. Phocas, M.C., **Kontovourkis, O.**, Alexandrou, K., 2013. Design of a Controlled Cable Bending-Active Structure, In: M. Asefi, ed. *Proceeding of the International Conference on Adaptation and Movement in Architecture: ICAMA 2013*. Toronto: Ryerson University, pp. 237-249 [13 p.]

17

C09. Michael, A., **Kontovourkis, O.**, 2013. Innovative in environmental-based architectural education through digital experimentation and construction workshop. In: M. Voyatzaki, ed. *Proceedings of the ENHSA International Conference Architectural Education in the Reality of the Ideal: Environmental design for innovation in the post-crisis world*. Naples, pp. 669-678 [10 p.]

C08. Kontovourkis, O., Phocas, M.C., Tryfonos, G., 2013. Adaptive Prototyping Process as Mechanism Towards a Holistic Architectural Design. In: M. Stacey, ed. *Prototyping Architecture: The Conference Papers*, Building Centre Trust, pp. 92-105 [14 p.]

2012   **C07. Kontovourkis, O.**, 2012. Virtual Forces in Design and Fabrication Process: Assembly and Construction of Physical Prototypes. In: H. Achten, J. Pavlicek, J. Hulin, D. Matejdan, eds. *Proceedings of the 30th Conference on Education in Computer Aided Architectural Design in Europe: Digital Physicality | Physical Digitality (Volume 2)*, ISBN 978-9-4912070-3-7. Prague: Czech Technical University in Prague, pp. 133-141 [9 p.]

2011   **C06. Kontovourkis, O.**, 2011. Pedestrian Modelling and Circulation Diagrams in Three-Dimensional Built Environment. In: I.V. Kabashkin, I. V. Yatskin, eds. Proceedings of the 11th International Conference 'Reliability and Statistics in Transportation and Communication' (RelStat' 11), (DVD), 19-22 October 2011, Riga: Transportation and Telecommunication Institute, p. 419-427. ISBN 978-9984-818-46-7 [9 p.]

C05. Kontovourkis, O., 2011. Pedestrian modeling as generative mechanism for the design of adaptive built environment. In: T. Zupancic, M. Juvancic, S. Verovsek, A. Jutraz, ed. *Proceedings of the 29th Conference on Education in Computer Aided Architectural Design in Europe: Respecting Fragile Places. Ljubljana: University of Ljubljana*, pp. 850-858 [9 p.]

C04. Phocas, M.C., **Kontovourkis, O.**, Matheou, M., 2011. Integrated Design of a Kinetic Prototype Structure. A Case Study. In: F. Stacey, M. Stacey, eds. *Proceedings of the Adaptive Architecture: An International Conference at the Building Centre (DVD)*. London: Building Centre Trust and the University of Nottingham, [13 p.]

2010   **C03. Kontovourkis, O.**, 2010. Computer-generated circulation diagrams in macro-scale design investigation. In: G. Schmitt, L. Hovestadt, L. Van Gool, F. Bosché, R. Burkhard, S. Coleman, J. Halatsch, M. Hansmeyer, S. Konsorski-Lang, A. Kunze and M. Sehmi-Luck, ed. *Proceedings of the 28th Conference on Education in Computer Aided Architectural Design in Europe: Future Cities.* Zurich: ETH Zurich and vdf Hochschulverlag AG an der ETH Zürich, pp. 623-632 [10 p.] *[Selected as one of the ten best papers of the conference eCAADe 2010 to be published in the special issue of the Automation in Construction journal on 'Future Cities']*

C02. Kontovourkis, O. and Economides, D., 2010. Limitations and potentials of fabrication machinery: the example of a free-form design. In: M. Voyatzaki, ed. *Proceedings of the File to Factory (F2F) Conference: The Design and Fabrication of Innovative forms in a Continuum.* Thessaloniki: Charis Ltd, pp. 121-132 [12 p.]

2009   **C01. Kontovourkis, O.** and Economides, D., 2009. Establishing a digital fabrication laboratory and integrating it with architectural design. In: C. Spiridonidis and M. Voyatzaki, ed. *Proceedings of the ENHSA/EAAE Conference: Architectural Design and Construction Education Experimentation towards integration.* Thessaloniki: Art Of Text SA, pp. 77-88 [12 p.]

- **Abstracts in conference proceedings[Refereed]**
     - **Published/In Print**

2021   **A07.** Savvides, A., Pyla, P., Philokyprou. M., Michael, A., **Kontovourkis, O.**, 2021. Teaching Cultural Heritage and Sustainability at UCY: Methodologies and Challenges. *Booklet: Seminar for Teachers - Teaching through design for Sustainability of the Built Environment and Heritage Awareness.* Belgrade: University of Belgrade, pp.32-33, ISBN-978-86-7924-245-7 [2 p.]

2020   **A06. Kontovourkis, O.**, Villoria, P., Vula Rizvanolli, B., 2020. Challenges and opportunities of implementing regenerative materials, technologies and tools in building construction in Europe. *Online Programme & Abstracts of the Final Conference of COST Action CA16114 Rethinking Sustainability towards a Regenerative Economy [https://www.eurestore.eu/restore-final-conference/]*. Bolzano: Eurac Research [online] [2 p.]

2019   **A05. Kontovourkis, O.**, Phocas, M.C., Tryfonos, G., Georgiou, C., 2019. Multi-axis 3D printing of material reduced shell structures on reconfigurable supporting system using topology optimization principles. *Proceedings of the 1st International Conference on Optimization Driven Architectural Design (OPTARCH 2019).* Amman [1 p.]

     A04. Vula Rizvanolli, B., Villoria, P., del Río Merino, M., **Kontovourkis, O.**, Galán, A., Peretti, G., 2019. Analysis of the current building standards and certification tools used in Europe. *Proceedings of the 2nd Building and Management International Conference (BIMIC 2019).* Madrid: Universidad Politécnica de Madrid [2 p.]

     A03. Villoria Sáez, P., del Rio Merino, M., Vula Rizvanolli, B., **Kontovourkis, O.**, Tsalkatidis, T., Peretti, G., Galán, A., Friedrich, D., 2019. Current status of sustainable construction in Europe. *Abstracts book of the IV International Conference on Technological Innovation in Building Cite 2019 (CITE 2019).* Madrid: Universidad Politécnica de Madrid [2 p.]

2016   **A02.** Michael, A., **Kontovourkis, O.** & Phocas, M.C., 2017. Architectural synergies: Participatory design and construction of a pavilion prototype. In M. Couceiro da Costa, F. Roseta, J.P. Lages and S. Couceiro da Costa eds. *Proceeding of the EAAE/ARCC 10th International Conference on Architectural Research: Architectural Research Addressing Societal Challenges.* Lisbon: University of Lisbon [1 p.]

2013   **A01.** Sarvani, V., **Kontovourkis, O.**, 2013. Parametric design of a high-rise habitation unit system through lighting and solar energy performances. In: I. Grazuleviciute-Vileniske, J. *Vitkuviene,* eds. *Proceeding of the Ecological Architecture 2013. 2nd International Scientific Conference dedicated to the Sustainability in Architecture and Planning.* Kaunas: Kaunas University of Technology, p. 22 [1 p.]

-    **Published research reports**

2021   **Kontovourkis, O.**, Villoria Sáez, P., Gramatikov, K., Grujoska, V., del Rio Merino, M., Samardzioska, T. (Auth.), 2021. Emerging Technologies - ICT, Construction, Operation. In: Reith, A. and Brajković, J. *eds. Scale Jumping. Regenerative Systems Thinking within the Built Environment. A guidebook for regenerative implementation: interactions, tools, platforms, metrics, practise.* COST Action CA16114 RESTORE: REthinking Sustainability TOwards a Regenerative Economy, Working Group Five Report: Scale Jumping, pp. 228-253 [ISBN 978-3-9504607-8-0 (Online) - ISBN 978-3-9504607-9-7 (Print)] [26 p.]

     Kontovourkis, O. (Auth.), 2021. Special Topics on Recording and Documenting Buildings and Sites. In: Djokić, V., Philokyprou, M., Nikezić, A., Sorbo, E., Sakantamis, K., Loren-Méndez, M. *eds. Review: Best Practices In Educating Sustainability and Heritage.* HERSUS: Enhancing of Heritage Awareness and Sustainability of Built Environment in Architectural and Urban Design Higher Education, O1 Intellectual Output, Output type: Studies / analysis – Best practice guidelines / report, pp. 234-239 [ISBN-978-86-7924-244-0 (Online)] [6 p.]

2020   **Kontovourkis, O.**, Villoria Sáez, P., Bleiziffer, J. (Auth.), 2020. Case Studies. In: R. Lollini, and W. Pasut *eds. Regenerative technologies for the indoor environment: Inspirational guidelines for practitioners.* COST Action CA16114 RESTORE: REthinking Sustainability TOwards a Regenerative Economy, Working Group Four Report: Rethinking Technology, pp. 123-136 [ISBN 978-3-9504607-6-6 (Online) - ISBN 978-3-9504607-7-3 (Print)] [14 p.]

2019   Villoria Sáez, P., **Kontovourkis, O.,** Vula Rizvanolli, B., Del Río Merino, M. (Auth.), 2019. Construction. In: G. Peretti and C.K. Druhmann *eds. Regenerative Construction and Operation. Bridging the gap between design and construction, following a Life Cycle Approach consisting of practical approaches for procurement, construction, operation and future life.* COST Action CA16114 RESTORE: REthinking Sustainability TOwards a Regenerative Economy, Working Group Three Report: Regenerative Construction and Operation, pp. 59-88 [ISBN 978-3-9504607-4-2 (Online) - ISBN 978-3-9504607-5-9 (Print)] [30 p.]

-    **PhD Research Thesis**

2009   **Kontovourkis, O.**, 2009. *Computer-generated circulation diagrams*. University of Bath. http://opus.bath.ac.uk/15766/1/UnivBath_PhD_2009_O_Kontovourkis.pdf [318 p.]

-    **Architectural projects published in books, journals and information bulletins**

2016 **Architectural workshop for timber construction in three elementary schools by the University of Cyprus: Construction of prototypes within the framework of the research program SYNERGY**
University of Cyprus Information Bulletin, Volume 54, Nicosia, Cyprus, November 2016, pp. 20 [1 p.], in Greek

2012 **Students and young architects summer workshop 2012**
University of Cyprus Information Bulletin, Volume 45, Nicosia, Cyprus, October 2012, pp. 10-11 [2 p.], in Greek

Summer workshop 2012
Architects + Engineers, Cyprus Civil Engineers and Architects Association, Volume 96, Nicosia, Cyprus, September 2012, pp. 64-66 [3 p.], in Greek

Students and young architects summer workshop
Cyprus Scientific and Technical Chamber Information Bulletin, Volume 159, Nicosia, Cyprus, September 2012, pp. 32 [1 p.], in Greek

Cyprus New Agency Architectural Competition
Domes. International Review of Architecture, Volume 01/2012, Athens, Greece, pp. 72-73 [2 p.], in Greek

2003 **Filekpedeftiki Eteria**, **Arsakeio Tirana greek-albanian school**
4th Pan-Hellenic Exhibition of Architectural Work, Coastal areas and Urban events, Association of Architects of the Prefecture of Achaia, Patra, Greece, November 2003, pp. 130-131 [2 p.], in Greek and in English

Architectural Design Competitions, Sports Center of Mesa Geitonia
Cyprus Architects Association Information Bulletin, Volume 68, Nicosia, Cyprus, November 2003, pp. 22-23 [2 p.], in Greek

Architectural Design Competitions, Headquarter building of O.G.H.E.F. (Organization of Greek Higher Education Functionaries)
Cyprus Architects Association Information Bulletin, Volume 66, Nicosia, Cyprus, March 2003, p. 17 [1 p.], in Greek

- **Unpublished research reports**

2012 **Kontovourkis, O.**, 2012. Pedestrian movement behaviour 3D computer model based on 'virtual forces' as mechanism for design investigation within an educational context. *Contribution in the Final Report of COST Action TU0801: Semantic enrichment of 3D city models for sustainable urban development,* [5 p.] [submitted: 25.10.2012]

2011 **Kontovourkis, O.**, 2011. Pedestrian modeling in 3D environment. In: R.Billen, O. Marina, I. Yatskiv, R. San José, eds., *Contribution in the intermediate report of Working Group 1: Identification and semantic analysis of issues and models of COST Action TU0801: Semantic enrichment of 3D city models for sustainable urban development* [8 p.][version: 01.04.2011]

Kontovourkis, O., 2011. Adaptive structural system. *Contribution in the recap of all the work under the cluster: Use the force of the Smart Geometry workshop 2011. Work was planned to be posted on the Smart Geometry: SG website* [2 p.] [submitted: 20.04.2011]

- **Unpublished academic theses**

1999 *Laboratories for the restoration of ancient shipwrecks in Ermioni*
Diploma of Architect Engineer Thesis, March 1999, Grade: 9.90/10.0 (Excellent)
Field of Architectural Design, Department of Architecture, National Technical University of Athens, Athens, Greece, Supervisor: T.Papaioannou

1998 *The Kerynia ship. Learning about the ancient ship construction*
Diploma of Architect Engineer Lecture, May 1998, Grade: 10.0/10.0 (Excellent)
[In collaboration with Pavlou, S.]
Field of Building Construction, Department of Architecture, National Technical University of Athens, Athens, Greece, Supervisor: P. Touliatos

SECTION D

INVIDED LECTURES AND RESEARCH PRESENTATIONS

- **Invited lectures**

2020
Regenerative design in Cyprus. Where are we now? A visionary path to a regenerative future
Living Building Challenge 4.0: From possible to scalable
Public Lecture, 12.02.2020
Cyprus University of Technology (CUT), Limassol, Cyprus

2018
FABRITOPIA - Results of computational design and robotic fabrication workshop
Public Lecture, 30.07.2018
Youth Makerspace (Youth Board of Cyprus - ONEK), Larnaca, Cyprus

2015
Human behaviour input driven embedded computation as mechanism for the development and control of adaptive architectural systems
Public Lecture, 06.08.2015
European Architecture Students Assembly: EASA 2015, Valletta, Malta [Skype Presentation]

2014
Digital constructive mechanisms and creative thinking
Public Lecture, 28.12.2014
Tell-Tales Event [Organized by Tellalis], Part of Nicosia Pop Up Festival 2014,
Nicosia Municipality and Nicosia Municipal Art Centre, Nicosia, Cyprus

2010
Experiencing the architecture of Tadao Ando
Public Lecture, 22.10.2010
Architecture Research Center, University of Nicosia, Cyprus

- **Research presentations**

2006
Computer–Generated Architectural Networks
Research Seminars Series, 25th of January, 2006
Department of Architecture and Civil Engineering University of Bath, UK

2005
Biomimetics and Architecture. Cities and Buildings of the future
Lecture in Biomemetics group of Professor Julian Vincent, 01/08/2005
Department of Mechanical Engineering, University of Bath, Bath, UK

2001
Temporary-Permanent. Proposal for 13th Takiron International Design Competition
Lecture as part of Architecture Design Lectures, December 2001
Kyoto City University of Arts, Kyoto, Japan

Static-Dynamic analysis and design creation. Dynamic continuity and form
Lecture as part of Architecture Design Lectures, December 2001
Kyoto City University of Arts, Kyoto, Japan

Exercise of Design Shear wall by using LS-DYNA
Lecture for Research Laboratory Staffs, October 2001
DAIWA HOUSE Company, Research Laboratory, Osaka, Japan

- **Other presentations**

2001
Light and movement in Ando's buildings. Church of the light in Osaka and Garden of Fine Arts in Kyoto (安藤忠雄の建築における光と動き)
Presentation to Japanese Language students, February 2001
Japanese Language Center, Osaka University, Osaka, Japan

CONFERENCE PRESENTATIONS

2021
CP48. Built-In Immersive VR Technology for Decision-Making in Design and Simulation of a Flexible Shading Device [Presentation]
9th International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2021). The American University in Cairo (AUC), Cairo, Egypt [Online Conference], 03.03.2021

CP47. Teaching Cultural Heritage and Sustainability at UCY: Methodologies and Challenges [Presentation by associate]
Seminar for Teachers - Teaching through design for Sustainability of the Built Environment and Heritage Awareness. University of Belgrade, Belgrade, Serbia [Online Seminar], 18-19.02.2021

2020   ***CP46. Challenges and opportunities of implementing regenerative materials and technologies in building construction in Europe [Presentation by associate]***
Final Conference of COST Action CA16114 Rethinking Sustainability towards a Regenerative Economy. Eurac Research, Bolzano, Italy [Online], 03.12.2020

CP45. An open-source bio-based material system development for sustainable digital fabrication [Presentation by associate]
38th Conference on Education in Computer Aided Architectural Design in Europe: Anthropologic – Architecture and Fabrication in the Cognitive Age. TU Berlin, Berlin, Germany [Online Conference], 16-17.09.2020

2019   ***CP44. Multi-axis 3D printing of material reduced shell structures on reconfigurable supporting system using topology optimization principles [Presentation by associate]***
1st International Conference on Optimization Driven Architectural Design (OPTARCH 2019). Amman, Jordan, 5-7.11.2019

CP43. Deployment and reconfiguration approach of linkage structures [Presentation by associate]
International Conference on Emerging Technologies in Architectural Design (ICETAD2019). Toronto, Canada, 17-18.10.2019

CP42. A review on environmental and economic potential of robotic construction in actual scale driven by structural optimization [Presentation]
IASS Annual Symposium 2019 – Structural Membranes 2019: Form and Force. Barcelona, Spain, 7-10.10.2019

CP41. Implementing Augmented Reality for the Holographic Assembly of a Modular Shading Device [Presentation]
37th Conference on Education in Computer Aided Architectural Design in Europe and the XXIII SiGraDi Conference: Architecture in the Age of 4th Industrial Revolution. University of Porto, Porto, Portugal, 11-13.09.2019

CP40. Analysis of the current building standards and certification tools used in Europe [Poster Presentation by associates]
2nd Building and Management International Conference (BIMIC 2019). Universidad Politécnica de Madrid, Madrid, Spain, 8-10.05.2019

CP39. Virtual Reality for prototyping compression-only structures [Presentation]
7th eCAADe Regional International Symposium: Virtually Real. Aalborg University, Aalborg, Denmark, 2-3.05.2019

CP38. Current status of sustainable construction in Europe [Poster Presentation by associates]
IV International Conference on Technological Innovation in Building Cite 2019 (CITE 2019). Universidad Politécnica de Madrid, Madrid, Spain, 6-8.03.2019

2018   ***CP37. ICARUS Project - An open source platform for computer programming in architectural teaching and research [Presentation]***
36th Conference on Education in Computer Aided Architectural Design in Europe: Computing for a better tomorrow. Lodz University of Technology, Lodz, Poland, 19-21.09.2018

CP36. Integrating parametric design with robotic additive manufacturing for 3D clay printing: An experimental study [Presentation]
35th International Symposium on Automation and Robotics in Construction: The Future of Building Things. Berlin, Germany, 20-25.07.2018

CP35. An integrated robotically driven workflow for the development of elastic tensile structures in various scales [Presentation by associate]
6th eCAADe Regional International Symposium: Sustainable Computational Workflows. University of Cyprus, Nicosia, Cyprus, 24-25.05.2018

CP34. Design-static analysis and environmental assessment investigation based on a kinetic formwork driven by digital fabrication principles [Presentation by associate]
6th eCAADe Regional International Symposium: Sustainable Computational Workflows. University of Cyprus, Nicosia, Cyprus, 24-25.05.2018

CP33. Dual-user interaction in virtual environment towards robotic construction of masonry systems [Presentation]
CIB*IAARC W119 International Conference on Smart, Sustainable and Sensuous Settlements Transformation (3SSettlements) 2018 Workshop. Technical University of Munich, Munich, Germany, 07-08.03.2018

2017 ***CP32. Multi-objective design optimization and robotic fabrication towards sustainable construction - The example of a timber structure in actual scale [Presentation]***
35th Conference on Education in Computer Aided Architectural Design in Europe: ShoCK! - Sharing Computational Knowledge!, Sapienza University of Rome, Rome, Italy, 20-22.09.2017

CP31. A robotically-driven additive construction planning process using an ecological material. The introduction of 3D clay printing for large scale construction [Presentation by associate]
5th eCAADe Regional International Symposium: The Virtual and the Physical. Between the representation of space and the making of space, Cardiff University, Wales, UK, 26-28.04.2017

2016 ***CP30. Modular formwork system layout development and assembly in actual scale based on robotic technology [Presentation]***
S2M 2016 International Conference on Sustainable Smart Manufacturing, University of Lisbon, Lisbon, Portugal, 20-22.10.2016

CP29. Configuration and deformation control of a hybrid cable bending-active structure [Presentation by associate]
MARAS 2016, 5th International Conference on Mobile, Adaptable and Rapidly Assembled Structures, Siena, Italy, 21-23.09.2016

CP28. High-Rise Airflow Structural Concept [Presentation by associate]
Design & Nature 2016: 8th International Conference on Comparing Design in Nature with Science and Engineering, New Forest, UK, 13-15.09.2016

CP27. Optimization Process Towards Robotic Manufacturing in Actual Scale - The Implementation of Genetic Algorithms in the Robotic Construction of Modular Formwork Systems [Presentation]
34th Conference on Education in Computer Aided Architectural Design in Europe: Complexity & Simplicity, University of Oulu, Oulu, Finland, 22-26.08.2016

CP26. Architectural synergies: Participatory design and construction of a pavilion prototype [Presentation]
10th International Conference on Architectural Research EAAE/ARCC: Architectural Research Addressing Societal Challenges, University of Lisbon, Lisbon, Portugal, 15-18.06.2016

CP25. Development of physical control and virtual navigation mechanisms to enhance active collaboration between architects and clients in a reactive digital space [Presentation by associate]
4th eCAADe Regional International Workshop: Between computational models and performative capacities, University of Novi Sad, Novi Sad, Serbia, 19-20.05.2016

2015 ***CP24. Lighting performance simulation and adaptive control of an advanced building skin based on human behaviour inputs [Presentation by associate]***
10th Conference on Advanced Building Skins, Bern, Switzerland, 3-4.11.2015

CP23. Integration of a lightweight plug-in adaptive envelope to maximize performance of natural lighting of existing buildings [Presentation by associate]
10th Conference on Advanced Building Skins, Bern, Switcherland, 3-4.11.2015

CP22. Robotic Fabrication of Tensile Mesh Structures and Real Time Response. The Development and Simulation of a Custom-Made End Effector Tool [Presentation with G. Tryfonos]
33th Conference on Education in Computer Aided Architectural Design in Europe: Real Time - Extending the Reach of Computation, Technical University of Wien, Wien, Austria, 16-18.09.2015

CP21. An additive robotic fabrication methodology for tensile mesh structures development [Presentation]
International Association of Shell and Spatial Structures (IASS) 2015 Annual Symposium on Future Visions, Amsterdam, The Netherlands, 17-10.08.2015

CP20. A robotically driven methodology for the construction of an adaptive modular system [Presentation]
International Association of Shell and Spatial Structures (IASS) 2015 Annual Symposium on Future Visions, Amsterdam, The Netherlands, 17-10.08.2015

CP19. Adaptive building skin development and wireless gesture--oriented control [Presentation by associate]
3rd eCAADe Regional International Workshop: Computational Morphologies - Design rules between Nature model and responsive Architecture Computational Morphologies, Politecnico di Milano, Milan, Italy, 14-15.05.2015

2014   ***CP18. Physical input-driven offline robotic simulation through a feedback loop process [Presentation with G. Tryfonos]***
32th Conference on Education in Computer Aided Architectural Design in Europe: Fusion - Data Integration at its best, Northumbria University, Newcastle upon Tyne, U.K., 10-12.09.2014

CP17. Integrative Pedestrian Modelling Techniques based on Virtual Force Fields: Analysis, Generation and Evaluation in Public Open Spaces [Presentation with D. Anagiotou]
32th Conference on Education in Computer Aided Architectural Design in Europe: Fusion - Data Integration at its best, Northumbria University, Newcastle upon Tyne, U.K., 10-12.09.2014

CP16. Informed design strategy for the development of a reconfigurable modular structure [Presentation with P. Konatzii]
ENHSA International Conference What's the matter: Materiality and Materialism at the Age of Computation, COAC; ETSAB; ETSAV, Barcelona, Spain, 4-6.09.2014

CP15. Structural and construction design of a cable bending-active structure [Presentation by associate]
4th International Conference on Mobile, Adaptable and Rapidly Assembled Structures: MARAS 2014, Wessex Institute of Technology& Vrije Universiteit Brussel, Ostend, Belgium, 11-13.06.2014

2013   ***CP14. Parametric design of a high-rise habitation unit system through lighting and solar energy performances [Presentation]***
International Conference Ecological Architecture 2013, Kaunas University of Technology, Kaunas, Lithuania, 24.10.2013

CP13. Physical data computing in adaptive design process [Presentation]
International Conference on Adaptation and Movement in Architecture: ICAMA 2013, Ryerson University, Toronto, Canada, 11-12.10.2013

CP12. Design of a Controlled Cable Bending-Active Structure [Presentation by associate]
International Conference on Adaptation and Movement in Architecture: ICAMA 2013, Ryerson University, Toronto, Canada, 11-12.10.2013

CP11. Innovative in environmental-based architectural education through digital experimentation and construction workshop [Presentation by associate]
ENHSA International Conference Architectural Education in the Reality of the Ideal: Environmental design for innovation in the post-crisis world, Naples, Italy, 3-5.10.2013

CP10. Adaptive Prototyping Process as Mechanism Towards a Holistic Architectural Design [Presentation]

Prototyping Architecture International Conference, Building Centre Trust and Architecture & Tectonics Research Group of the University of Nottingham, London, UK, 21-23.02.2013

2012   ***CP09. Recess***
[Poster presentation in collaboration with Eike Brueckner and Fransesco Pisasale]
[The project was developed in the frame of Brick Design Workshop at Gramazio & Kohler Architecture and Digital Fabrication, ETH Zurich, 14-16.12.2012]
1st International Conference on Robotic Fabrication in Architecture, Art, and Design: Rob|Arch2012, Semperdepot, Vienna, Austria, 17-18.12.2012

CP08. Virtual Forces in Design and Fabrication Process: Assembly and Construction of Physical Prototypes [Presentation]
30th Conference on Education in Computer Aided Architectural Design in Europe: Digital Physicality | Physical Digitality, Czech Technical University in Prague, Prague, Czech Republic, 12-14.09.2012

2011   ***CP07. Pedestrian Modeling and Circulation Diagrams in Three-Dimensional Built Environment [Presentation]***
European Research Program COST, Action TU0801: Semantic enrichment of 3D city models for sustainable urban development
11th International Conference 'Reliability and Statistics in Transportation and Communication' (RelStat' 11) and Working Groups Meeting, Riga: Transportation and Telecommunication Institute, Latvia, 19-22.10.2011

CP06. Pedestrian modeling as generative mechanism for the design of adaptive built environment [Presentation]
29th Conference on Education in Computer Aided Architectural Design in Europe: Respecting Fragile Places, Ljubljana: University of Ljubljana, Slovenia, 21-24.09.2011

CP05. Integrated Design of a Kinetic Prototype Structure [Presentation by associate]
Adaptive Architecture: An International Conference at the Building Centre, London: Building Centre Trust and the University of Nottingham, United Kingdom, 03-05.03.2011

2010   ***CP04. Computer-generated circulation diagrams in macro-scale design investigation [Presentation]***
28th Conference on Education in Computer Aided Architectural Design in Europe (eCAADe): Future Cities, ETH Zurich, Zurich, Switzerland, 13-17.09.2010

2009   ***CP03. Limitations and Potentials of fabrication Machinery: The example of a Free-Form Design [Presentation]***
File to Factory (F2F) International Conference: The Design and Fabrication of innovative forms in a continuum, Center for Mediterranean Architecture (CMA), Chania, Crete, Greece, 03-04.09.2009

CP02. Establishing a digital fabrication laboratory and integrating it with architectural design [Presentation with D. Economides]
ENHSA/EAAE Conference: Architectural Design and Construction Education Experimentation towards integration, Faculty of Architecture, University of Genoa, Genoa, Italy, 11-13.06.2009

2005   ***CP01. Spatial Networks and Architecture [Poster Presentation]***
Networks and Dynamical processes, The Bath Institute for Complex Systems,
University of Bath, Bath, UK, 27-28.06.2005

OTHER CONFERENCE/MEETING PARTICIPATIONS

2021   **OCP23.** Research and Innovation Staff Exchange Research Program ADDitively Manufactured OPTimized Structures by means of Machine Learning (ADDOPTML)
WP1: Development of a topology-sizingdesign optimization methodology incorporating nonlinear FEM analyses and machine learningResearch Partners Kick-Off Online Meeting, 8.07.2021

OCP22. Research and Innovation Staff Exchange Research Program ADDitively Manufactured OPTimized Structures by means of Machine Learning (ADDOPTML)

WP5: 3D printed optimized metal deployable structures to address humanitarian crisis
Research Partners Kick-Off Online Meeting, 2.07.2021

2020   **OCP21.** ERASMUS+ Project, HERSUS: Enhancing of Heritage Awareness and Sustainability of Built Environment in Architectural and Urban Design Higher Education
Research Partners Online Meeting, 4.11.2020

OCP20. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Management Committee Online Meeting, 4.12.2020

OCP19. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 5 Sub Group Leaders' coordination Online Meeting, 17.07.2020

OCP18. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 5 Online Workshop Meeting, 25-26.06.2020

OCP17. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 5 Sub Group leaders Online Meeting, 7.05.2020

OCP17. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 5 Subtask 2.3 (Emerging Technologies) Online Meeting, 14.04.2020

OCP16. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Groups and Management Committee Meeting, Limassol, Cyprus, 13-14.02.2020

2019   **OCP15.** European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 4 Restricted Meeting, Venice, Italy, 12.11.2019

OCP14. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 4 Workshop Meeting, Riga, Latvia, 27-28.06.2019

OCP13. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 4 Workshop Meeting, Brussels, Belgium, 15-16.04.2019

OCP12. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Groups and Management Committee Meeting, Bolzano, Italy, 14-15.03.2019

2018   **OCP11.** European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 3 Restricted Meeting, Stuttgart, Germany, 14.09.2018

OCP10. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Group 3 Workshop Meeting, Koper, Slovenia, 13-14.06.2018

OCP09. European Research Program COST, Action CA16114: Rethinking Sustainability towards a Regenerative Economy
Working Groups and Management Committee Meeting, Budapest, Hungary, 13.02.2018

2017   **OCP08.** European Research Program Optimization Driven Architectural Design of Structures (OptArch)
Research Partners Meeting, Athens, Greece, 11-12.09.2017

2012   **OCP07.** European Research Program COST, Action TU0801: Semantic enrichment of 3D city models for sustainable urban development [Final Conference]

3u3d2012: Usage, Usability, and Utility of 3D Urban Models Conference, École Nationale Supérieure d'Architecture de Nantes, Nantes, France, 29-31.10.2012

OCP06. *Advance in Architectural Geometry 2012 Symposium Conference: AAG2012*, Paris, France, 27-28.09.2012

OCP05. European Research Program COST, Action TU0801: Semantic enrichment of 3D city models for sustainable urban development
Workshop: 3D issues in environmental and urban systems, Working Groups and Management Committee Meeting, Technical University of Madrid (UPM), Madrid, Spain, 12-13.04.2012

2011 **OCP04.** European Research Program COST, Action TU0801: Semantic enrichment of 3D city models for sustainable urban development
Working Groups and Management Committee Meeting, ESF Brussels, Belgium, 28-29.04.2011

OCP03. *Smart Geometry Talkshop and Symposium 2011: Building the invisible. Informing digital design with real world data*, IT University of Copenhagen, Copenhagen, Denmark, 01-02.04.2011

2010 **OCP02.** European Research Program COST, Action TU0801: Semantic enrichment of 3D city models for sustainable urban development
Conference VIS2010 and Working Groups Meeting, University of Algarve, CIEO, Faro, Portugal, 4-5.11.2010

2009 **OCP01.** European Research Program COST, Action TU0801: Semantic enrichment of 3D city models for sustainable urban development
Workshop: A Global View on Semantic Enrichment of 3D Urban Models, Working Groups and Management Committee Meeting, University of Liege, Liege, Belgium, 23-24.11.2009

SECTION E

TEACHING

- **Assistant Professor, Department of Architecture, University of Cyprus (UCY)**

2019-20   ***Architectural Design VII (ARH-400)***
Department of Architecture, University of Cyprus, Fall 2019 [Assistant Professor]
Undergraduate advanced architectural design course where students are encouraged to examine the programme and analyse the impact it may have on the various aspects of the resulting design (See program of study - Bachelor of Science (B.Sc.) in Architecture). This year's studio introduces the theme of sustainable and intelligent methods of fabrication in the field of architectural design and construction. In particular, students are asked to design a Sustainable and Smart Fabrication Workshop/Factory, a laboratory/factory that investigates and produces building systems and overall structures, either off-site or on-site using specific materials (wood, metal, polymer, concrete, clay, etc.) and robotic fabrication processes (casting, cutting, welding, etc.) that can bring a positive sustainable impact in the construction industry. Software and plug-ins include Rhino/Grasshopper and any other software for 3D modeling and rendering.
The lecturer is responsible for developing and organizing the syllabus and the overall course structure, for teaching software and plug-ins, and for supervising projects.
Students: Undergraduate students of the Department of Architecture (16 students for semester Fall 2019-20)

Since 2018   ***Special Topics on Recording and Documenting Buildings and Sites (ARH-550)***
Department of Architecture, University of Cyprus, Spring 2019; 2020; 2021 [Assistant Professor]
Postgraduate course that provides basic and advanced knowledge on recording and documenting buildings and sites using conventional and contemporary digital techniques (See program of study - Inter-departmental M.Sc. Conservation and Restoration of Historic Buildings and Sites). Software and plug-ins include software for data visualization (Agisoft) and 3D modeling (Rhino and AutoCAD).
Postgraduate Inter-departmental course co-taught with M. Philokyprou (Spring 2018, 2019) and A. Michael (Spring 2018, 2019), Assistant Professors, Department of Architecture, University of Cyprus
The lecturer is responsible for developing and organizing the syllabus and the overall course structure, for teaching 3D scanning techniques, for instance Structured light and Photogrammetry approaches, and 3D modeling methods using specific software/plug-ins, as well as for supervising projects.
Students: Postgraduate students of the Department of Architecture, the Department of Civil Engineering and the Department of History and Archeology (6 students for semester Spring 2018-19)

Since 2012-13   ***Advanced Computer-Aided Design Topics (ARH-522)***
Department of Architecture, University of Cyprus, Fall 2012; 2013; 2014 [Lecturer], Fall 2015; 2016; 2017; 2018; 2019; 2020 [Assistant Professor]
Postgraduate course that focuses on advanced digital design and fabrication processes (CAD/CAM) and particularly on the development of advanced computational mechanisms that can be applied in complex/non-standard spatial and structural design research. Topics include generative design, adaptive process, interactive design, and optimization processes. Specialized technical skills of algorithmic design and physical computing (Robotics) are provided. Software and plug-ins include: Rhino/Grasshopper, Firefly, gHowl, Processing, Arduino
The lecturer is responsible for developing and organizing the syllabus and the overall course structure, for teaching software and plug-ins, and for supervising projects
Students: Diploma and PhD students of the Department of Architecture (Approx. 10-15 students per semester)

Since 2010-11   ***Advanced Computer-Aided Design (ARH-421)***
Department of Architecture, University of Cyprus, Spring 2010 [Part-time Adjunct Faculty], Spring 2011; 2012; 2013;2014 [Lecturer], Spring 2015; 2016; 2017; 2020; 2021 [Assistant Professor]

Undergraduate course that focuses on the use of computer software and fabrication machinery as tools for architectural design, prototyping and communication. Emphasis is given on the use of parametric-associative design as generative tool to investigate and optimize solutions in various architectural issues. Topics include 3d nurbs modeling, parametric-associative design, rapid prototyping and laser cutting. Software and plug-ins include: Rhino/Grasshopper

The lecturer is responsible for developing and organizing the syllabus and the overall course structure, for teaching software and plug-ins, and for supervising projects

Students: Undergraduate students of the Department of Architecture (Approx. 10-20 students per semester)

Since 2009-10   *Digital Architectural Communication Media (ARH-220)*
Department of Architecture, University of Cyprus, Fall 2009 [Part-time Adjunct Faculty], Fall 2010; 2011; 2012; 2013; 2014 [Lecturer], Fall 2015; 2016; 2017; 2018; 2019; 2020; 2021 [Assistant Professor]

Undergraduate course that offers a first understanding of architectural design software (CAAD) in three dimensional (3d) and two dimensional (2d) spaces as well as in digital fabrication techniques. Topics include 3d architectural elements and solid modeling, 2d production and design, rendering and visualization, digital design and fabrication (3D printing, laser cutting and hotwire foam cutting). Software include: Rhino and AutoCAD Architecture Desktop

The lecturer is responsible for developing and organizing the syllabus and the overall course structure, for teaching software and plug-ins, and for supervising projects

Students: Undergraduate students of the Department of Architecture (Approx. 30-35 students per semester)

2009-2011   *Computer-Aided Design (ARH-320)*
Department of Architecture, University of Cyprus, Fall 2009 [Part-time Adjunct Faculty], Fall 2010; 2011 [Lecturer]

Undergraduate course that offers a first understanding of computer-aided design software (CAD) in three-dimensional and two-dimensional spaces for modeling and visualizing structural systems and buildings. Topics include 3d architectural elements and solid modeling, 2d production and design, rendering and visualization. Software include: Nemetchek Allplan and AutoCAD Architecture Desktop.

The lecturer is responsible for developing and organizing the syllabus and the overall course structure, for teaching software and plug-ins, and for supervising projects

Students: Undergraduate students of the Department of Civil and Environmental Engineering (Approx. 40 students per semester)

Since 2010-11   *Introduction to Architecture (ARH-110)*
Department of Architecture, University of Cyprus, Fall 2010; 2011; 2012; 2013; 2014 [Lecturer] Fall 2015; 2016; 2017; 2018; 2019; 2020; 2021 [Assistant Professor]

Undergraduate course co-taught with the other faculty members

The lecturer is responsible for 1-2 lecturers focusing on the use of digital tools in architectural design. Topics include: a. *Digital Media in Architecture*, b. *Digital Media and Parameters in Architectural Design*

-    **Assistant Professor, Department of Architecture, University of Nicosia (UNIC)**

2009-2010   *Advanced Computer-Aided Design & Mixed Media (ARCH-362)*
Department of Architecture (Program of Architecture), University of Nicosia, Spring 2010

Undergraduate course focuses on the advanced capabilities of digital design tools for generation, evaluation, and representation. Topics include 3d modeling, parametric-associative design and digital fabrication (3d printing, milling, and laser cutting). Software and plug-ins include: Rhino/Grasshopper.

Lecturer responsible for developing and organizing the syllabus and the overall course structure, for teaching software and plug-ins, and for supervising project

Students: Undergraduate students of the Department of Architecture (Program of Architecture), University of Nicosia, (Approx. 20 students per semester)

Advanced Computer-Aided Design (ARCH-262 & ARCH-241)
Department of Architecture (Program of Architecture), University of Nicosia, Spring 2009; 2010

Undergraduate courses focus on the theoretical and practical framework of digital design with emphasis on 3d modeling techniques. Topics include 3d modeling, transformation, meshing, algorithmic design thinking, 3d printing and milling. Software include: 3DStudio Max

Lecturer responsible for developing and organizing the syllabus and the overall course structure, for teaching software and for supervising project

Students: Undergraduate students of the Department of Architecture (Program of Architecture), University of Nicosia, (Approx. 35 students per semester)

2008-2009

Advanced Computer-Aided Design & Mixed Media (ARCH-341 & DES-341)
Department of Architecture (Program of Architecture & Interior Design), University of Nicosia, Spring 2009 [ARCH-341], Fall 2008; 2009 [DES-341]
Undergraduate course focuses on the 3d modeling and presentation offered by graphic and animation software. Topics include 3d modeling and settings of colors, textures, materials, light sources and rendering. Software include: 3DStudio Max

Lecturer responsible for developing and organizing the syllabus and the overall course structure, for teaching software and for supervising project

Students: Undergraduate students of the Department of Architecture (Program of Architecture & Program of Interior Design), University of Nicosia, (Approx. ARCH-341 Spring 2009: 5, DES-341 Fall 2008: 9, DES-341 Fall 2009:17 students per semester)

Computer-Aided Design (DES-175 & ARCH-261)
Department of Architecture (Program of Interior Design & Program of Architecture), University of Nicosia, Fall 2008 [DES-175], Fall 2009 [ARCH-261]
Undergraduate courses focus on basic capabilities of computerized design, three-dimensional (3d) architectural modeling and two-dimensional (2d) architectural design, rendering, layout and presentation. Topics include 3d architecture elements and solid modeling, 2d architectural design, and visualization. Software include: Nemetchek Allplan

Lecturer responsible for developing and organizing the syllabus and the overall course structure, for teaching software and for supervising project

Students: Undergraduate students of the Department of Architecture (Program of Interior Design & Program of Architecture), University of Nicosia, (Approx. DES-175 Fall 2008:27, ARCH-261 Fall 2009: 33 students per semester)

Computer Utilities for Interior Design (DES-241)
Department of Architecture (Program of Interior Design), University of Nicosia, Spring 2009
Undergraduate course focuses on the theoretical and practical framework of digital design with emphasis on 3d modeling techniques. Topics include 3d modeling, transformation, meshing, 3d printing and milling. Software include: 3DStudio Max

Lecturer responsible for developing and organizing the syllabus and the overall course structure, for teaching software and for supervising project

Students: Undergraduate students of the Department of Architecture (Program of Interior Design), University of Nicosia, (Approx. 23 students per semester)

Architectural Design V, Building Technology (ARCH-304)
Department of Architecture (Program of Architecture), University of Nicosia, Spring 2009
Replace academic staff for two weeks: 23.03 – 30.03.2009

Foundation course in Architecture
UNISKO Programme University of Nicosia, Summer 2009: 26.08-23.09.2009
Foundation course in Architecture focusing on 2D Computer-Aided Design skills using the software Nemetchek Allplan

Lecturer responsible for developing and organizing the syllabus, the overall course structure and for teaching software

Invited lecturer in other courses
Department of Architecture (Program of Architecture), University of Nicosia, Fall 2009
Rethinking Architecture (ARCH-451), Topic: Parametric-based design, 14.12.2009
Architectural Design VI (ARCH-401), Topic: Introduction to Digital Design with emphasis on Fabrication, 03.11.2009

SUPERVISION

- **PhD Thesis [1st Supervisor]**

Since 2021	Panayiotis Panayiotou. *The integration of BIM with IoT, Image Processing-ML and VR technologies for an efficient real-time monitoring of construction projects,* PhD Thesis, UCY [In progress – Since Spring 2021]
01.2014-05.2020	Panagiota Konatzii. *Sustainable design and automated construction of mass customized structural elements through adaptive formwork*, PhD Thesis, UCY [Completed - Spring 2020]
01.2013-12.2018	George Tryfonos. *An integrated digital design and robotic fabrication process of tensile mesh structures*, PhD Thesis, UCY [Completed – Fall 2018]

- **Master Thesis [Program: Energy Technologies and Sustainable Design] [1st Supervisor]**

2012-2013	Vasiliki Sarvani. *Investigation of lighting and solar energy performance in high-rise habitation unit systems through parametric design,* Master Thesis (M.Sc.), UCY [Completed – May 2013]

- **Diploma Thesis [1st Supervisor]**

2021-22	Despina Kouppa. *Parametric design and biomimetics,* Diploma Thesis, UCY [In progress – Since Fall 2020]
2020-21	Stefania Kotsia. *Size it up. Foldable housing units for refugees,* Diploma Thesis, UCY [Completed – Spring 2021]
	Styliana Baghdhadie. *Exploring Shell Forms: Form-finding & Optimisation, Materiality & Manufacturing,* Diploma Thesis, UCY [Completed – Fall 2020]
2019-20	Theodora Tsatsou. *Presentation of Mathiati's north mine as a natural park and a memorial place*, Diploma Thesis, UCY [Completed – May 2020]
	Georgia Hadjigeorgiou. *Playscapes for autism: structure in primary school yards,* Diploma Thesis, UCY [Completed – May 2020]
2018-19	Andreas-Athanasios Stroumpoulis. *Hybrid game prototype of dynamical changes through augmented reality*, Diploma Thesis, UCY [Completed – May 2019] *[Awarded Honorable Mention - L. and T. David Prize]*
	Christos Dionysis. *Artificial body for protection and living*, Diploma Thesis, UCY [Completed – May 2019]
	Christos Georgiou. *Topology Optimization in 3D printed construction of shells,* Diploma Thesis, UCY [Completed – May 2019]
2017-18	*Sabbatical leave [Spring 2018]*
2016-17	Constantinos Katsambas. *Topology optimization in fabrication process*, Diploma Thesis, UCY [Completed – May 2017] Sofia Stylianou. *Ecological fabrication for sustainable design: Artificial structures in the protected environment of Akamas peninsula*, Diploma Thesis, UCY [Completed – Spring 2017] Elpida Kyriakou. *Mass customization for home design and fabrication with the involvement of users*, Diploma Thesis, UCY [Completed – May 2017]
2015-16	Philippos Michael. *AFI – Analyse, Fabricate, Inhabit: Remote analysis & Robotic fabrication with the use of local material*, Diploma Thesis, UCY [Completed – May 2016] *[Awarded Honorable Mention in the international design competition Rethinking Architecture Competition – Sahara Eco House]* Konstantinos Chatzimanolis. *Water cycle seascaper: Higher integration synthesis*, Diploma Thesis, UCY [Completed – May 2016] Michaelina Stylianou. *Racetrack complex: Street – Speed – Sport [3S]*, Diploma Thesis, UCY [Completed – May 2016] Christina Petrou. *Architectural intervention in the archaeological site of Amathounta,* Diploma Thesis, UCY [Completed – Fall 2015]
2014-15	Neofytos Dimitriou. *Architectural connection between city and sea in the area between the two ports of Limassol,* Diploma Thesis, UCY [Completed – Spring 2015]

Stavros Frangogiannopoulos. *Adaptive structural prototype for large scale buildings,* Diploma Thesis, UCY [Completed – Spring 2015]

Georgios Papiotis. *Cybernetic device*, Diploma Thesis, UCY [Completed – Fall 2014]

2013-14   Ifigenia Lambrou. *Mutative adaptive prototype with learning abilities*, Diploma Thesis, UCY [Completed – May 2014]

Gergia Kyriakidou. *Form-finding process and the generation of spatial networks*, Diploma Thesis, UCY [Completed – May 2014]

Iliana Petrou. *Adaptation and landscape: Study of adaptive architecture in specific morphologies through tension and compression*, Diploma Thesis, UCY [Completed – May 2014]

Despo Anagiotou. *Human movement behavior for space generation through interactive fields*, Diploma Thesis, UCY [Completed – Fall 2013]

Stella Hadjicharalambous. *Force distribution mega structure by salt layer analysis in Larnaka Aliki salt lake*, Diploma Thesis, UCY [Completed – Fall 2013]

2012-13   Panagiota Konatzii. *Self-formation and kinetic construction system*, Diploma Thesis, UCY [Completed – May 2013]

[Selected project as one of the 36 best design projects in Transformables 2013 student competition, Seville, Spain, 2013]

Melina Antoniou. *Networking the interactivity*, Diploma Thesis, UCY [Completed – May 2013]

Ifigeneia Neofytou. *Structural swarming in see caves*, Diploma Thesis, UCY [Completed – May 2013]

2011-12   George Tryfonos. *Air adaptive shelter. Heuristic, adaptive in-direct system*, Diploma Thesis, UCY [Completed – May 2012]

[Awarded Honorable Mention - L. and T. David Prize]

Anastasia Gkini. *Unifying design through collective intelligence*, Diploma Thesis, UCY [Completed – May 2012]

Angela Charalambous. *Architecture in service of sound environment*, Diploma Thesis, UCY [Completed – May 2012]

2010-11   Joanna Theodosiou. *iZenobia Museum - Interactive Architecture*, Diploma Thesis, UCY [Completed – May 2011]

[Awarded Honorable Mention - L. and T. David Prize]

Marina Constantinou. *Evolutionary and Emergence Architecture - Archaeological Site of Amathounta*, Diploma Thesis, UCY [Completed – May 2011]

- **PhD Thesis [Member of the Examination Committee]**

2021   Ioanna Anastasiadou, PhD Thesis, UCY [1st Supervisor: M.C. Phocas] [In progress – September 2019]

2019   Niki Georgiou, PhD Thesis, UCY [1st Supervisor: M.C. Phocas] [In progress – January 2018]

2018   Kristis Alexandrou, *Hybrid cable bending-active systems*, PhD Thesis, UCY [1st Supervisor: M.C. Phocas] [Completed – April 2018]

Constantinos Vassiliades, *Building integration of active solar energy systems in all design scales.* PhD Thesis, UCY [1st Supervisor: A. Savvides] [Completed – April 2018]

2014   Maria Matheou. *Kinetic Hybrid Structures*, PhD Thesis, UCY [1st Supervisor: M.C. Phocas] [Completed – May 2014]

2013   Stefanos Anastasiou. *Double curved building envelopes: Design and construction methods*, PhD Thesis, Aristotle University of Thessaloniki (AUTH) [1st Supervisor: A. Kotsiopoulos] [Completed – March 2013]

2012   Tonia Sofocleous-Lemonari. *Adaptable Dual Control Systems*, PhD Thesis, UCY [1st Supervisor: M.C. Phocas] [Completed – Fall 2012]

- **Master Thesis [Program: Energy Technologies and Sustainable Design] [Member of the Examination Committee]**

2016-17   Stella Athini, *Adaptive structure from scissor and cable bending active members,* Master Thesis (M.Sc.) [1st Supervisor: M.C. Phocas], UCY [Completed – May 2017]

Christina Zakou, *Design and analysis of an adaptive bending-active gridshell*, Master Thesis (M.Sc.) [1st Supervisor: M.C. Phocas], UCY [Completed – December 2016]

2014-15   Katerina Galactiou, *Adaptive envelope system*, Master Thesis (M.Sc.) [1st Supervisor: M.C. Phocas], UCY [Completed – July 2015]

- **Diploma Thesis [2nd or 3rd Supervisor]**

2020-21   Georgia Dimitriadou. Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed - May 2021]

2019-20   Georgia Ioakeim. *SipH2O. Underwater Adaptive Research Center (Skyscraper)*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed - May 2020]

2018-19   Panayiota Dimitriou. *Deployable lightweight structure for a temporary exhibition pavilion*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed - May 2019]

Antriani P. Yiangou. *A built-up centrification and urban redesign of Makareio sport center [Be-Hive]*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed - May 2019]

2017-18   Kyriakos Fotiadis, Maria Karyou, *Study of construction upgrade of 3D printing machinery for clay*, Diploma Thesis [1st Supervisors: Andreas Kyprianou], Department of Mechanical and Manufacturing Engineering, UCY [Completed – June 2018]

2016-17   Charalambos Proestos, *Dual soft structural envelope system*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed - May 2017]
Fotis Tilemahou, *Novus Mundus: A life support facility for Mars colonization*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed - May 2017]
Mpyrros Andreas, *2 the rescue. Facing flood: Design for an emergency shelter*, Diploma Thesis [1st Supervisor: A.Michael], UCY [Completed - May 2017]
Elena Koufopavlou, *The path experience of Athienou*, Diploma Thesis [1st Supervisor: P. Pyla], UCY [Completed - May 2017]

Andrea Georgiou, Kyriakos Flourentzou, Constantinos Neophytou, *3D printing study for construction industry in small scale*, Diploma Thesis [1st Supervisors: Andreas Kyprianou], Department of Mechanical and Manufacturing Engineering, UCY [Completed – June 2017]

2015-16   Nikolaou Kyriakos, *An attempt to upgrade existing transportation infrastructure in Cyprus*, Diploma Thesis [1st Supervisor: A. Savvides], UCY [Completed – May 2016]
Antri Lysandrou, *Active Air – Regeneration Façade Prototype*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2016]
[Awarded Honorable Mention - L. and T. David Prize]

2014-15   Styliana Grigoriou. *Plugged-In Adaptive EcoRoof*, Diploma Thesis [1st Supervisor: A.Michael], UCY [Completed –Spring 2015]
Aggeliki Koutsodimitropoulou. Diploma Thesis [1st Supervisor: C. Hadjichristos], UCY [Completed – Fall 2014]

2013-14   Niki Georgiou. High-rise airflow building prototype, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2014]
[Awarded Honorable Mention - L. and T. David Prize]
Rafaela Pavlou. *Kinetic prototype unit for extreme environments*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2014]
Niki Pirikki. *Bending-active tensile building envelope*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2014]

2012-13   Kristis Alexandrou. *Adaptive Structural Prototype*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2013]
[Awarded Honorable Mention – International Students Competition Transformable 2013]
George Kyriazis. *Polychronic Waterscapes*, Diploma Thesis [1st Supervisor: N. Charalambous], UCY [Completed – May 2013]
Kleopatra Papapetrou. Diploma Thesis [1st Supervisor: C. Hadjichristos], UCY [Completed – May 2013]

2011-12   Nicky Nicolaou. Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2012]

Chrystalla Argyrou. Diploma Thesis [1st Supervisor: M. Philokyprou], UCY [Completed – May 2012]

Chrysanthi Konstantinou. Diploma Thesis [1st Supervisor: S. Stratis], UCY [Completed – May 2012]

2010-11   Anastasios Ioannou. *Swarm INform. Inter-responsive architectural adaptive system*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2011]

Maria Gabriel. *Kinetic energy architectural systems*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2011]
[Awarded Honorable Mention - L. and T. David Prize]

2009-10   Maria Matheou. *Interactive kinetic architecture*, Diploma Thesis [1st Supervisor: M.C. Phocas], UCY [Completed – May 2010]
[Awarded 1st Prize - L. and T. David Prize]

ORGANIZATION OF WORKSHOPS

2018   ***FABRITOPIA - Computational design and robotic fabrication workshop***, 2-13.07.2018 [Youth Makerspace (ONEK), Larnaka]
Students and young architects Summer Workshop, Cyprus Architects Association [Organizer], University of Cyprus [Scientific supervision], Youth Board of Cyprus – Youth Makerspace [sponsor]
Workshop Coordinator and Principle Instructor: Odysseas Kontovourkis, Instructors: Andreas Savvides, George Tryfonos

2016   ***Synergetic Multi-Objective Design and Construction of Timber Pavilion Prototypes workshop***, 21.06-08.07.2016 [Department of Architecture, UCY & Elementary Schools of Agios Andreas, Chryseleousas & Tamasou and Pera Orinis]
Students Summer Workshop, Department of Architecture, UCY
Workshop Coordinator: Amilios Michael, Workshop Co-organizers: Odysseas Kontovourkis & Marios C. Phocas

2015   ***Synergetic Multi-Objective Design and Construction of Timber Pavilion Prototypes workshop***, 06-24.07.2015 [Department of Architecture, UCY & Elementary School Hadjigeorgakis Kornesios]
Students Summer Workshop, Department of Architecture, UCY
Workshop Coordinator: Amilios Michael, Workshop Co-organizers: Odysseas Kontovourkis & Marios C. Phocas
[Awarded First Prize in category "Structural technology" in CY-ARCH Student Projects Awards 2017 by CY-ARCH, the first online magazine on Cypriot Architecture]

2012   ***Digital design and construction workshop***, 8-9.06.2012 [Department of Architecture, UCY] & 21-28.06.2012 [Paralimni]
Students and young architects Summer Workshop, Cyprus Architects Association [organizer], University of Cyprus [scientific supervision], Paralimni Municipality [sponsor]
Workshop Directors and Instructors: Odysseas Kontovourkis and Amilios Michael

2011   ***Differential Porosity***, Parametric-associative design logic workshop, 22.08 – 01.09.2011
International Workshop, Department of Architecture, University of Cyprus
Workshop Director: Marco Verde
Workshop Instructors: Odysseas Kontovourkis and Marco Verde

2010   ***Parametric-associative design logic workshop***, 12-15.05.2010
Integrated with ARCH-341 Advanced Computer-Aided Design & Mixed Media, Department of Architecture, University of Nicosia, Spring 2010
Workshop Director: Marco Verde, Assistant Professor in Hyperbody Research group, TU Delft, Workshop Instructors: Odysseas Kontovourkis and Marco Verde

COURSES AND WORKSHOPS REVIEWER

2020   Member of the Reviewers Panel to evaluate Workshop Outcome of the ARCH-570DL MSc CDDF Digital Fabrication Workshop within the framework of the postgraduate program M.Sc. Computational Design and Fabrication, Nicosia, Cyprus, 12.12.2020

Architecture Research Center, University of Nicosia, Nicosia, Cyprus [Member of the Reviewers Panel]

2019	Member of the Reviewers Panel to evaluate Workshop Outcome of the ARCH-570DL Digital Fabrication course within the framework of the postgraduate program M.Sc. Computational Design and Fabrication, Nicosia, Cyprus, 13.12.2019 Architecture Research Center, University of Nicosia, Nicosia, Cyprus [Member of the Reviewers Panel]
	Member of the Instructors and Reviewers for the 4th Youth Leadership Summer School organized by Youth Board of Cyprus (ONEK), Platres, 04-07.07.2019 Platres, Cyprus [Instructor and Reviewer]
2013	External Reviewer for Diploma projects, 05.2013 Department of Architecture, Frederick University, Nicosia, Cyprus [External Reviewer]
Since 2010	Reviewer for Mid-term and Final presentation of design studio, construction and other courses Department of Architecture, University of Cyprus, Cyprus [Reviewer]
2010	Member of the Jury Committee to evaluate outcomes of the Repetition Vs Replication: Parametric Design + Digital Fabrication Workshop, 03.12.2010 Architecture Research Center, University of Nicosia, Nicosia, Cyprus [Member of the Jury Committee]
2008 - 2010	Reviewer for Mid-term and Final presentations of studio and other courses Department of Architecture, University of Nicosia, Nicosia, Cyprus [Reviewer]

SECTION F

DESIGN COMPETITION ENTRIES AND PROJECT AWARDS

2016	Second nature Title of entry: *Robotic construction for ecological coexistence* **Competition Entry** In collaboration with George Tryfonos, Panagiota Konatzii and Stella Christofi
2014	Plasticity: International digital design to fabrication competition, Tex-Fab Title of entry: *Force-based surface plasticity* **Competition Entry** In collaboration with George Tryfonos and Panagiota Konatzii
2013	Skin Competition: International two-stage digital fabrication competition, Tex-Fab Title of entry: *Adaptive inflatable façade* **Competition Entry** In collaboration with George Tryfonos
2011	*Larnaka Municipality Market and Parking*, Larnaca, Cyprus, Architectural Competition **Competition Entry** In collaboration with Amilios Michael, Vasilis Ierides, Christos Hadjichristos, Panayiotis Papadimatos, Maria Xenophontos, Maria Kouppi, Christodoulos Christodoulou, Anna Evripidou *Limassol Municipality Office Building*, Limassol, Cyprus, Architectural Competition **Competition Entry** In collaboration with Amilios Michael, Vasilis Ierides, Andreas Savvides, Christos Hadjichristos, Panayiotis Papadimatos, Maria Xenophontos
2010	*Cyprus News Agency at Nicosia*, Cyprus, Architectural Competition **Competition Entry** In collaboration with Amilios Michael, Vasilis Ierides, Andreas Savvides, Christos Hadjichristos, Maria Kouppi, Stefanie Keszi Filekpedeftiki Eteria, Arsakeio Tirana, Greek-Albanian School, Tirana, Albania [Design: 1998-2000] [Completion: 2007] **Award 2010 for ''Architecture Beyond Borders'** *[by Association of University Graduate Architects - Panhellenic Union of Architects, Greece]* Architects: D.Isaias and T.Papaioannou Team Architects: Odysseas Kontovourkis, Vassilis Panagiotopoulos, Stelios Papadimitriou, Afroditi Papadoperaki, Silia Pavlou
2004	*New passengers terminal in the Port of Limassol*, Limassol, Cyprus, Architectural Design Competition **Competition Entry** Architects: Andreas Vardas, Odysseas Kontovourkis
2003	*Sports Center of Mesa Geitonia Municipality in Limassol*, Cyprus, Architectural Design Competition **Awarded 2nd Prize** Architects: Andreas Vardas, Odysseas Kontovourkis
2002	*National Theatre of the Cyprus Theatrical Organization (C.T.O.) in Nicosia*, Cyprus, Architectural Design Competition **Competition Entry** Architects: Andreas Vardas, Odysseas Kontovourkis *Headquarter building of O.G.H.E.F. (Organization of Greek Higher Education Functionaries) in Nicosia*, Cyprus, Architectural Design Competition **Awarded Honorable Mention** Architects**:** Andreas Vardas, Odysseas Kontovourkis
2001	*Temporary-Permanent House* 13th Takiron International Design Competition 2001, Japan

Competition Entry
Architects: Odysseas Kontovourkis

PARTICIPATION IN EXHIBITIONS

2018	**Design Computing 2018**

Exhibition of design computing examples (over 50) among 29 schools of architecture and 13 architectural firms, 10-17.10.2018

Project Exhibited: Video of the design computing work undertaken in ARH-522 course of the Department of Architecture, UCY [Instructor: O. Kontovourkis]

Location: Faculty of Architecture and the Faculty of Civil Engineering, Czech Technical University, Prague, Czech Republic

2011	**Larnaka Municipality Market and Parking Architectural Competition**

Exhibition of entries, 7.07-20.07.2011

Project Exhibited: Larnaka Municipality Market and Parking, Larnaca, Cyprus

Location: Municipality Art Gallery, Larnaca, Cyprus

Limassol Municipality Office Building Architectural Competition
Exhibition of entries, 14.04.2011

Project Exhibited: Limassol Municipality Office Building, Limassol, Cyprus

Location: Cultural Center 'Panos Solomonidis', Limassol, Cyprus

2010	**Cyprus News Agency at Nicosia Architectural Competition**

Exhibition of entries, 26.10-04.11.2010

Project Exhibited: Cyprus News Agency at Nicosia, Cyprus

Location: Journalists' House, Nicosia, Cyprus

2004	**New passengers terminal in the Port of Limassol Architectural Design Competition**

Exhibition of entries, September 2004

Project Exhibited: New passengers' terminal in the Port of Limassol, Limassol, Cyprus

Location: Evagoras Lanitis Exhibition Hall, Limassol, Cyprus

2003	**Sports Center of Mesa Geitonia Municipality Architectural Design Competition**

Exhibition of awarded entries, April 2003

Project Exhibited: Sports Center of Mesa Geitonia Municipality in Limassol, Cyprus

Location: Library Building of Mesa Geitonia Municipality, Limassol, Cyprus

2002	**National Theatre of the Cyprus Theatrical Organization (C.T.O.) Architectural Design Competition**

Exhibition of entries, December 2002

Project Exhibited: National Theatre of the Cyprus Theatrical Organization (C.T.O.) in Nicosia, Cyprus

Location: Cyprus Sports Organization (C.S.O) Building, Nicosia, Cyprus

2002	**Headquarter building of O.G.H.E.F. (Organization of Greek Higher Education Functionaries) Architectural Design Competition**

Exhibition of awarded entries, October 2003

Project Exhibited: Headquarter building of O.G.H.E.F. (Organization of Greek Higher Education Functionaries) in Nicosia, Cyprus

Location: PASIDI Building, Nicosia, Cyprus

EXTRA ACADEMIC ACTIVITIES

14-15.09.2020 eCAADe 2020 Online Workshop: Building Instincts/ Ass. Prof. Raimund Krenmueller (Institute for Advanced Architecture of Catalonia)
Technical University of Berlin, Berlin, Germany [Online]

14.09.2020 eCAADe 2020 Online Workshop: Digital Twin/ Maria Gkovedarou (Bentley Systems)

	Technical University of Berlin, Berlin, Germany [Online]
08-09.09.2014	eCAADe 2014 Workshop: Parametric design, analysis, and multi-objective optimization/ Volker Mueller (Bentley) Northumbria University, Newcastle, UK
14-16.12.2012	Rob|Arch 2012 Workshop: BrickDesign/ Gramazio & Kohler Architecture and Digital Fabrication (BrickDesign: plug-in for Rhino 5) ETH Zurich, Zurich, Switzerland
29-30.09.2012	Symposium Conference AAG12 Workshop 5: Shell discretization strategies for robotized fabrication/ Thibault Schwartz (HALL plug-in for Grasshopper/Rhino) ENSA Paris-Malaquais, Paris, France
10-11.09.2012	eCAADe 2012 Workshop: Agent-based simulation (NetLogo)/ Gabriel Wurzer, Wolfgang E. Lorenz, Nikolay Popov Czech Technical University in Prague, Prague, Czech Republic
	eCAADe 2012 Workshop: Robots in Architecture 1+2/ Sigrid Brell-Cokcan and Johannes Braumann (founders of Robots in Architecture and developers of KUKA|prc plug-in for Grasshopper/Rhino) Czech Technical University in Prague, Prague, Czech Republic
28-31.03.2011	Smart Geometry 2011 Workshop: Building the Invisible. Informing digital design with real world data - Use the force/ Daniel Pikker (Kangaroo/physics engine plug-in for Grasshopper/Rhino) Royal Academy of Fine Arts, School of Architecture (CITA), Copenhagen, Denmark
09-10.02.2011	Generative Design for Robotic Manufacture course/ Gregory Epps (RoboFold) and Daniel Pikker (Kangaroo/physics engine plug-in for Grasshopper/Rhino) London Metropolitan University, Simply Rhino Training Classroom, Metropolitan Works, London, UK
13-14.09.2010	eCAADe 2010 Workshop: Our urban tools in Grasshopper and RhinoCommon/ Giulio Piacentino (Weavebird plug-in for Grasshopper/Rhino) ETH Zurich, Zurich, Switzerland
10-11.02.2005	Generative Components Workshop/Bentley Systems [Parametric Design Software]/ Robert Aish (Bentley) Department of Architecture and Civil Engineering, University of Bath, Bath, UK
17-20.01.2005	Generative Components Workshop/Bentley Systems [Parametric Design Software]/ Robert Aish (Bentley) Emergent Technologies (EmTech), Master Programme, Architecture Association School of Architecture (AA), London, UK
10.01.2005	Generative Components Seminar/ Bentley Systems [Parametric Design Software] Buro Happold London, London, UK