

## CURRICULUM VITAE

**Dr. Konstantinos-Alketas OUNGRINIS**

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Director of the Transformable Intelligent Environments Laboratory (TUC TIE Lab)

School of Architectural Engineering, Technical University of Crete



**10.2015**

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# 1. Personal Information

## Konstantinos-Alketas Oungrinis

Assistant Professor

Director of the Transformable Intelligent Environments Laboratory

TUC TIE Lab URL <http://www.tielab.tuc.gr/>

School of Architectural Engineering, Technical University of Crete

### Work Address

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### Home address

Andrianaki 47, 73100, Chania,

+3 0 28210 51 581

### Personal data

Born in 1970 in Thessaloniki.

He is married to Marianthi Liapi and have two daughters.

## 2. Scientific training

### 2.1 Academic Degrees

1994 Aristotle University of Thessaloniki [AUTH], Greece

Architect-Engineer Diploma

Bachelor's thesis *Configuration of western historical axis of Thessaloniki*

Working with Al. Pantoudi and Ant. Perpatidi

Supervisor Alexander Lagopoulos, Professor, Department of Architecture AUTH  
Evangelos Demetriades, Professor, Department of Architecture AUTH

2009 Aristotle University of Thessaloniki [AUTH], Greece

Doctoral thesis

Dissertation Title *Structural morphology and mobile phones in changing rooms*

Commission Nikos Tsinikas, Professor, Department of Architecture AUTH (Supervisor)

Kimon Thomopoylos, Professor, Department of Civil Engineering AUTH

Evangelia (Vana) Tentokali, Assoc. Professor, Department of Architecture AUTH

Review Honours

### 2.2 Seminars

2005 Massachusetts Institute of Technology [MIT], USA

Theme *MIT project Oxygen: Pervasive, human-centric computing*

Oxygen Research Group, MIT Computer Science and Artificial Intelligence Laboratory (CSAIL).

2005 Massachusetts Institute of Technology [MIT], USA

Theme *Architecture of Extreme Conditions*

MIT Aero-Astro Department, MIT Department of Architecture and Planning and the Sasakawa International Center for Space Architecture, University of Houston

### 2.3 Languages

Greek / mother

English / Proficiency (C2 / C 2)

### 2.4 Digital Competencies

2 d | 3 d design and modeling

AutoCAD, 3d Studio MAX, RHINO, CATIA, CADISI, Grasshopper, SketchUp

Visual communication and graphic design

Adobe Photoshop, Adobe Illustrator

Moving image processing

Adobe Premiere

Automated manufacturing processes (digital fabrication)

Laser cutter, waterjet cutter, 3d printer, CNC router machine, CNC milling machine, vacuum former, ultra-sonic welder

Programming-Scripting

Basic and Wiring (for sensor- controller - actuator systems)

Applications Robotics s

Applications Arduino and Intel Galileo micro-controllers, and using a variety of sensors and actuators controlled through Wiring and Firefly (plugin Grasshopper)

## 3. Awards and distinctions

### 3.1 Applied Research Awards

2008 EUROPE 40 UNDER 40 Architecture Award

*Dream of B. Update Study of the Second Educational Group Charitable Association "Children's Asylum."*

Description Architectural design for the new building of the 33rd Primary School of Thessaloniki at the premises of the Charitable Association "Children's Asylum."  
Partners M. Liapi  
Organization European Centre for Architecture, Art, Design and Urban Studies in collaboration with the International Foundation Chicago Athenaeum: Museum of Architecture and Design

2014 European Award for Creativity and Innovation - 2 nd place

*The Airpotition project*

Description Innovative construction which utilizes the water shed outdoor units of air conditioners in order to develop vertical greenery on the facades of buildings. Also, collect the sunlight to produce electricity.  
Partners I. Paterakis  
Organization Competition of business ideas under the European Youth program in Action

2015 INTERNATIONAL DESIGN AWARDS (IDA-14) - Silver Winner

*Many Happy re - Turns*

Description Multimodal subject to changing uses (learning space equipment, educational tool, baby furniture, game), ideal for education of children aged 3-8 years places.  
Affiliates M. Liapi and E. Gkologkina  
Organization International Design Awards, Los Angeles

2015 The Digital Gate - shortlisted

*Hybrid Environmental Projection Platform*

Description Development of an environmental projection system, with applications in the fields of tourism, cultural education, school education and edutainment  
Partners I. Paterakis, M. Christoulakis  
Organization Athens International Airport - ATH Airport Innovation Challenge

### 3.2 Academic distinctions

2011-2012 TU Crete | Supporting Innovative Ideas 1<sup>st</sup> cycle

Scientific advisor to the project *Airpotition*, which was selected for funding by the "Innovation and Entrepreneurship Unit" TUC, under the program "Supporting Innovative Ideas" to construct a working prototype at scale 1: 1.

Implementation Group I. Paterakis, Amsterdam. Tralee, C. Voradaki, Ang. Klothakis,  
Leader K.-A. Oungrinis

2012-2013 TU Crete | Supporting Innovative Ideas 2<sup>nd</sup> cycle  
Scientific advisor to the project *Legodome*, which was selected for funding by the "Innovation and Entrepreneurship Unit" TUC, under the program "Supporting Innovative Ideas" to construct a working prototype at scale 1: 1.

Implementation Group N. Assimakis, C. Inglezakis, C. Andresakis

Mentors K.-A. Oungrinis, K. Providaki, I. Rigos, E. Stiakakis

2013-2014 TU Crete | Supporting Innovative Ideas 3<sup>rd</sup> cycle  
Scientific advisor to the project *Memorigami*, which was selected for funding by the "Innovation and Entrepreneurship Unit" TUC, under the program "Supporting Innovative Ideas" to construct a working prototype at scale 1: 1.

Implementation Group A. Kampitaki, K. Chamilothoni

Mentors K.-A. Oungrinis, D. Kolokotsa, K. Providakis

### 3.3 Other discrimination

2014 - today Intel ® Higher Education Partner

Selected by Intel for the Galileo Donation Program for the application and evaluation of the *Intel Galileo Development Boards*.



## 4. Publications

### 4.1 PhD

- 2009 Oungrinis, K.-A. (2009). *Structural morphology and kinetic structures for transformable spaces*. Doctoral thesis. Department of Architecture. Aristotle University of Thessaloniki.

### 4.2 Books

- 2006 Oungrinis, K.-A. (2006). *Transformations: Paradigms for Designing Transformable Spaces*. Cambridge, MA: Harvard Design School - Design and Technologies Report Series.
- 2012 Oungrinis, K.-A. (2012). *Transformable Architecture. Movement, Adaptation, Flexibility*. Athens: Ion. (Code in Eudoxus: 12,777,813)
- 2013 Oungrinis, K.-A., Liapi, M. (Eds.) (2013). *CMA | EDU: The 2013 Exhibition. Celebrating Design Talent in Mediterranean Schools of Architecture*. Chania: KEPPEDIH - KAM.
- 2015 Gourgiotou, E. & Oungrinis, K.-A. (Ed.). (2015). *Architectural and educational interventions to create learning places at kindergartens*. Thessaloniki: Disigma. (Code in Eudoxus: 50,657,993)

### 4.3 Chapters in books

#### 4.3.1 With a Review Committee

- 2009 Oungrinis, K.-A. (2008). Towards the "intelligent" transformability of responsiveness. The emergence of the "living" space. In: *Scientific Annals of the Faculty of Engineering Aristotle* (147-159), M. 20. Thessaloniki: Aristotle University of Thessaloniki.

#### 4.3.2 Without Review Committee

- 2010 Oungrinis, K.-A. (2007). Motion in architecture beyond the computer screen. In: St. Vergopoulos, (Ed.). (2010). *Architectural Design and Digital Technology 3: Time and Movement in Architecture* (21-27) Athens: Pendulum.

### 4.4 Articles in International scientific journals

- 2010 Oungrinis, K.-A., Liapi, M., Linaraki, D., & Voradaki, G. (2010). Sensponding assemblies as a tool to stimulate the senses and affect the emotions of an individual. *European Psychiatry* 25. Elsevier, 837.
- 2014 Oungrinis, K.-A., Liapi, M. (2014). Spatial elements imbued with cognition: A possible step toward the "Architecture Machine." *International Journal of Architectural Computing (IJAC)* 4 (12), Multi-Science Publishing, 419-438.

2014 Oungrinis, K.-A., Liapi, M., Kelesidi, A., Gargalis, L., Telo, M., Ntzoufras, S., Paschidi, M. (2014). *Intelligent Spacecraft Module. Acta Astronautica 105 (1)*, Elsevier, 242-253.

## 4.5 Articles in Greek scientific journals

2012 Oungrinis, R. A. (2012). Transformability in Architecture: The adoption of kinetic systems in structures in order to flexibly adapt to a variety of spatial and environmental needs. *Magazine BUILDING 02/2012* 95-100.

## 4.6 Scientific papers at conference

- 2003 Oungrinis, K. - A. (2003). The places of stops of an urban expansion kinetic system. Networks, flows and nodes. In: *Proceedings of the International Congress of Modern Systems Tram and Surface Metro*. Civil Engineering-Library of Transport and Traffic, University of Patras.
- 2003 Oungrinis, K. - A., Liapi, M. (2003). The transmutation of the architectural synthesis. Morphing procedures through the adaptation of information technology. Ln: TE Simos, (Ed.). *Proceedings of the International Conference of Computational Methods in Sciences and Engineering - ICCMSE (377-381)*. New Jersey; London; Singapore; Hong Kong: World Scientific.
- 2006 Oungrinis, KA, Liapi, M. (2006). Floating limits: Active transformability in architecture and its effects on the notions of 'limit' and 'transparency'. In: Ph. Vavilis and E. Dova (Ed.). *Transparency and Architecture: Limits and Challenges (87-92)*. Thessaloniki: Ziti and Department of Architecture AUTH.
- 2006 Oungrinis, K. - A., And Liapi, M. (2006). Spatial diagnosis as a means to design mediated spaces. In: V. Bourdakis and D. Charitos (Eds). *Communicating Space (s). Proceeding s of the 24th International eCAADe Conference on Education and Research in Computer-Aided Architectural Design (420-427)*. Volos: University of Thessaly.
- 2007 Oungrinis, K.-A. (2007). 'Sensponding' architecture: Towards a holistic approach to transformable design. In: *Proceedings of the International Conference Tectonics Making Meaning*. Eindhoven University of Technology & CHEOPS, Study Association.
- 2010 Papamanolis N., Oungrinis K.-A. (2010). The influence of the local built environment in the teaching of a rchitectural technology. The example of Greece. In: C. Spiridonidis, & Voyatzaki M. (Eds.). *Proceedings of the ENHSA / EAAE 2010 International Conference: Educating Architects towards Innovative Architecture (3 33 -3 40)*.Thessaloniki, Greece: Charis Ltd.
- 2010 Oungrinis K.-A., Papamanolis N. (2010). Contemporary materia ls and fabrication techniques: A change in the way think designers. In: C. Spiridonidis, & Voyatzaki M. (Eds.). *Proceedings of the ENHSA / EAAE International Conference: Educating Architects towards Innovative Architecture (3 2 3-3 32)*. Thessaloniki, Greece: Charis Ltd.

- 2010 Papamanolis N., Oungrinis, K.-A., & Liapi, M. (2010). Climatic sensponding architecture. Methods for addressing the diverse climatic behavior in Greece for energy efficient buildings. In: *Proceedings of the 3rd International Conference on Passive and Low Energy Cooling for the Built Environment (PALENC 2010)*. Rhodes, Greece. ISBN: 978-960-6746-08-6.
- 2011 Oungrinis, K.-A., Liapi, M. (2011). Rethinking the human: An educational experiment on sponsive architecture. In: C. Spiridonidis, & M. Voyatzaki (Eds.), *Proceedings of the EAAE / ENHSA International Conference: Rethinking the Human in Technology-Driven Architecture (175-187)*. Thessaloniki, Greece: Charis Ltd.
- 2012 Oungrinis, K.-A., Liapi, M., Linaraki, D., Mairopoulos, D., Voradaki, G. (2012). Sensitive design as a tool to address human comfort in habitable spacecraft modules. In: *Proceedings of the 63rd International Astronautical Congress (IAC2012)*, Naples, Italy. ISSN 1995-6258.
- 2012 Liapi, M., Oungrinis, K.-A., Voyatzaki, M. (2012). Sensitive playscapes. In: H. Achten, J. Pavlicek, J. Hulin, & D. Matejdan. (Eds.). *eCAADe 2012: Digital physicality. Proceedings of the 30th International Conference on Education and Research in Computer Aided Architectural Design in Europe (343-351)*. Prague: Czech Technical University.
- 2012 Oungrinis, K.-A., Liapi, M., Mairopoulos, D. (2012). From analog, to digital, to analog, to ... The seamless process of monitoring, understanding and affecting spatial arrangements in a responsive experiment called "Spirit | Ghost." In: C. Spiridonidis, & Voyatzaki M. (Eds.). *Proceedings of the EAAE / ENHSA International Conference:Scalelesseamless (197-207)*. Thessaloniki, Greece: Charis Ltd.
- 2012 Oungrinis, K.-A. (2012). The digital 'soul' of smart materials. Creating programmable environments without parts. In: C. Spiridonidis, & Voyatzaki M. (Eds.). *Proceedings of the EAAE / ENHSA International Conference: Scalelesseamless (395-403)*. Thessaloniki, Greece: Charis Ltd.
- 2012 Liapi, M., Oungrinis, K.-A., Voyatzaki, M. (2012). A sensitive approach to technology-driven playgrounds. In C. Kynigos, J. Clayson, & N. Yiannoutsou. (Eds.). *Proceedings of the International Conference: Constructionism 2012. Theory, Practice and Impact*. Athens, Greece. ISBN: 978-960-88298-4-8
- 2013 Liapi, M., Oungrinis, K.-A. (2010). "Empreinte Digitale": Smart materials re-invent the digital identity of architecture. In: N. Patsavos, & Y. Zavoleas (Eds.). *SUR-FACE | Desk. Digital Materiality and the New Relation between Depth and Surface*. Athens: Futura, 270-276.
- 2013 Oungrinis, K.-A., Liapi, M., Linaraki, D., Mairopoulos, D. (2013). Affecting emotions with sensitive design. A habitable spacecraft module experiment. In: *Proceedings of the 9th International Conference on Intelligent Environments*. Washington, DC, USA: IEEE Computer Society, 30-36. ISBN: 978-0-7695-5038-1.
- 2013 Oungrinis, K.-A., Paterakis, I., Klothakis, A., Vidalis, D., Dimopoulou, M., Voradaki, G., Tralo, A. (2013). The Airpotition Project. In: *Proceedings of the 13th SGEM Geoconference on Nano, Bio and Green - Technologies for a Sustainable Future SGEM2013 (745 - 750)*, ISBN 978-619-7105-06-3 / ISSN 1314-2704.

- 2013 Oungrinis, K.-A., Liapi, M., Gkologkina, E., Kelesidi, A., Linaraki, D., Paschidi, M., Gargalis, L., Klothakis, A., Mairopoulos, D. (2013) . Intelligent spacecraft modules. Employing user-centered architecture with adaptable technology for the design of habitable interiors in long-term missions. In: *Proceedings of the 64th International Astronautical Congress (IAC2013), Beijing, China*. ISSN 1995-6258.
- 2013 Liapi, M., Oungrinis, K.-A., Gkologkina, E., Kelesidi, A., Linaraki, D., Paschidi, M., Gargalis, L., Klothakis, A., Mairopoulos, D. (2013) . The astronaut's playscape: supporting creativity through play in long-term missions beyond earth orbit. In: *Proceedings of the 64th International Astronautical Congress (IAC2013), Beijing, China*.ISSN 1995-6258.
- 2013 Linaraki, D., Oungrinis, K.-A. (2013). Architectural design of a research space station in the venusian clouds. In: *Proceedings of the 64th International Astronautical Congress (IAC2013), Beijing, China*. ISSN 1995-6258.
- 2013 Chamilothori K., Kampitaki A., Oungrinis, K.-A. (2013). Climate-Responsive Shading Systems with Integrated Shape Memory Alloys (SMA). In: *Proceedings of the 8th International Energy Forum 3: Advanced Building Skins*. Bre ssanone, Italy, 11-16.
- 2013 Oungrinis, K.-A., Kokkalis, S. (2013). Dynamic building program: A new method to produce building programs with the implementation of time relevant factors. In: *Proceedings of the International Conference on Adaptation and Movement in Architecture (34-43)*. Toronto: Ryerson University.
- 2013 Oungrinis, K.-A. (2013). Implementation of kinetic systems in architecture: A classification of techniques and mechanisms appropriate for discreet building parts. In: *Proceedings of the International Conference on Adaptation and Movement in Architecture (302-315)*. Toronto: Ryerson University.
- 2013 Oungrinis, K.-A., Papamanolis, N. (2013). Teaching enhanced and intelligent materiality: Developing innovation and performance. In: M. Voyatzaki (Ed.). (2013). *Proceedings of the EAAE / ENHSA International Conference: Architectural Education and the Reality of the Ideal. Environmental Design for Innovation in the Post-crisisWorld (301-310)*. Thessaloniki, Greece: Charis Ltd.
- 2014 Kelesidi, A., Liapi, M., Oungrinis, K.-A. (2014). The beneficial effects of design applications using environmental illusions. Academy of Neuroscience for Architecture (ANFA) 2014 International Conference. La Jolla, CA, USA, 18-20 / 09.
- 2014 Oungrinis, K.-A., Liapi, M., Georgoulakis, S., Mairopoulos, D., Lionaki, E., Ntzoufras, S., Stathopoulou, E., Telo, M. (2014). Sensponsive classrooms: Ambient Intelligent spaces that facilitate learning. In: K. Zreik (Ed.) (2014). *Architecture, City and Information Design. Proceedings of EuroplA.14: 14th International Conference on the Advances in Design Sciences and Technology*. Paris: Europia, 63-77.
- 2014 Oungrinis, K.-A., Liapi, M., Christoulakis, M., Klothakis, A., Paterakis, I., Avarikioti, N., Dimopoulou, M., Cremlis, M., Koutsoumpas, D., and Sapountzi, D. (2014). Hybrid Environmental Projection Platform: An interactive educational tool. In: K. Zreik (Ed.) (2014). *Architecture, City and Information Design. Proceedings of EuroplA.14: 14th International Conference on the Advances in Design Sciences and Technology*. Paris: Europia, 171-184.

- 2014 Oungrinis, K.-A., Bannova, O., Liapi, M., Gargalis, L., Dimeris, V., Georgakopoulos, C., Ntzoufras, S., Paschidi, M., and Telo, M. (2014 ). Deployable isolation chamber and radiation protection unit. *In: Proceedings of the 65th International Astronautical Congress (IAC2014)*. Toronto, Canada.
- 2014 Liapi, M., Oungrinis, K.-A., Bannova, O., Gargalis, L., Dimeris, V., Georgakopoulos, C., Ntzoufras, S., Paschidi, M., Telo, M. (2014). Adaptable Intelligent Spacecraft Modules for various vehicle and habitat architectures. *In: Proceedings of the 65th International Astronautical Congress (IAC2014)*. Toronto, Canada.
- 2015 Oungrinis, K.-A., Liapis, M. (2015). Ekpaidotopoi: Formulating the potential spatial footprint pleasant educational process. In: D. German & M. Liapis (Eds.). *Electronic Volume Practices Symposium with International Participation: Places for Learning Experiences. Research, Create, Change*. Athens: National Documentation Centre, 120-136.
- 2015 Telo, M., Oungrinis, K.-A. (2015) Hackable Urban Experiences. First International Conference on the Digital Age. *GOING DIGITAL: INNOVATIONS IN THE CONTEMPORARY LIFE*. 4-5 June 2015, Belgrade, Serbia.
- 2015 Sapountzi, D., Oungrinis, K.-A. (2015). *Augmenting Urban Green Awareness*. International Conference on the Digital Age. *GOING DIGITAL: INNOVATIONS IN THE CONTEMPORARY LIFE*. 4-5 June 2015, Belgrade, Serbia.
- 2015 Barmpouti, I., Vrettou, M., Oungrinis, K.-A. (2015) The Role of Phenomenology in Education Procedure. *Proceedings of ADVED15 International Conference on Advances in Education and Social Sciences*. 12 - 14 October 2015, Istanbul, Turkey.
- 2015 Oungrinis, K.-A., Liapi, M., Lionaki, E., Balomenaki, C., Lykos, G., Christoulakis, M., Ntzoufras, S., Bannova, O. (2015). A Cognition- based Design Approach for a Community Habitat on Mars. *In: Proceedings of the 66th International Astronautical Congress (IAC2015)*. Jerusalem, Israel.
- 2015 Oungrinis, K.-A., Liapi, M., Christoulakis, M., Ntzoufras, S., Paterakis, I., Bannova, O. (2015). Fabrication and Assembly Processes on the Mars Surface. *In: Proceedings of the 66th International Astronautical Congress (IAC2015)*. Jerusalem, Israel.
- 2015 Telo, M., Oungrinis, K.-A. (2015) Hackable Urban Experiences. 3rd International Conference. Hybrid City 2015: Data To The People. 17-19 September 2015, Athens, Greece.

#### 4.7 Selected architectural work in books and exhibition catalogs

- 2003 Oungrinis, K.-A., Kavvathas, K., Kyriakopoulos, N, Skylakakis, S. (2002). ACROPOLIS In: Theodorou, M. (Ed.). (2003). *The Athens DOES Series* (344). Athens: Hellenic Ministry of Culture.
- 2008 Liapi, M., Oungrinis, K.-A. (2008). EcoPOP. In: L. Kallipoliti. (Ed.). (2010). *Architectural Design (AD). EcoRedux: Design Remedies for an Ailing Planet*, v80 (22). London: John Wiley & Sons.

- 2010 Oungrinis, K.-A., Liapis, M. (2010). Dream of B: Enhancing the Buildings of the "B Site" of the Foundation "Asylo tou Paidiou". In: S. Buerger, D. Katsota, & C. Panetsos. (Ed.). (2010). *Structures Yearbook 2010. Greek Architecture. Volume A* (68-69). Athens: View.
- 2010 Oungrinis K.-A., Liapi, M. Transformable Architecture in School Environments. In: F. Setaki, & T. Tzoka. (Eds.). (2010). *EASA007\_Final Report: City Index* (226). Athens: NTUA School of Architecture.
- 2010 Oungrinis, K.-A., Liapis, M. (2010). Prototypical Day CareCenter at the Municipality of Chortiatiss. In: M. Milioni and Electricity. Konstantopoulos. (Ed.). (2010). *6th Biennale of Young Greek Architects* (185). Athens: Greek Institute of Architecture.
- 2011 Oungrinis, K.-A., Liapis, M. (2011). Prototypical Day CareCenter at the Municipality of Chortiatiss. In: D. Antonakos and K. Makrygialos. (Ed.). (2011) *DesignLab 2011* (34). Athens: A M & Consultants.
- 2013 A. Varoudakis., Yiannoudes, S., Oungrinis, K.-A., Tsakalakis, et al, extension and rehabilitation of the Architecture Department of the facilities in the area of the former French School Chania. In: D. Tsakalakis, (Ed.) (2013). *Catalogue 5th Triennale 2009-2012. Architecture in Crete* (260-263). Chania: KEPEDICH-KAM, Municipality Chania.

#### 4.8 Selected architectural work in prestigious architectural magazines and electronic publications

- 2009 *Architectural Issues* (43). Annual Inspection. Athens: Livani, 16.  
Project: Dream of B-Update Study of the Second Group Filanthro p-economic association "Children's Asylum." Architects: K.-A. Oungrinis and M. Liapis
- 2011 *Domus Digital* Edition. Barcelona, Spain. 03/2011. At Accessible: <http://www.domusweb.it/en/design/ecoredux-02-design-manuals-for-a-dying-planet/>  
Project: EcoPOP. Architects: K.-A. Oungrinis and M. Liapi
- 2011 *SLUM / LAB Magazine: Last Round Ecology*, Fall 2011 Issue. New York, NY: Columbia University GSAAP, ETH Zurich, and the City College of NY, SSA, 16-17.  
Project: The Envirobubble installation. Architects: K.-A. Oungrinis and M. Liapi with G. Andresakis, Y. Apostolopoulos, T. Gorantonaki, E. Kalogeropoulou, M. Kantarzis, D. Linaraki, I. Liofagos, D. Mairopoulos, E.-A. Maistralis, A. Neratzouli, I.Paterakis, E. Roupa, A. Terezaki, A. Tralo, V. Tsesmetzis, D. Vaimakis, A.-M. Moschouti-Vermer, G. Voradaki
- 2011 *SuckerPUNCH daily* <http://www.suckerpunchdaily.com/2011/08/31/the-envirobubble-clean-air-pods-redux/>  
Project: The Envirobubble: Clean air pods redux. Architects: K.-A. Oungrinis and M. Liapi with G. Andresakis, Y. Apostolopoulos, T. Gorantonaki, E. Kalogeropoulou, M. Kantarzis, D. Linaraki, I. Liofagos, D. Mairopoulos, E.-A. Maistralis, A. Neratzouli, I.Paterakis, E. Roupa, A. Terezaki, A. Tralo, V. Tsesmetzis, D. Vaimakis, A.-M. Moschouti-Vermer, G. Voradaki
- 2011 *ArchiSearch* <http://www.archisearch.gr/article/429/the-envirobubble-clean-air-pods-redux-by-lydia-kallipoliti.htm>  
Project: The Envirobubble: Clean air pods redux. Architects: K.-A. Oungrinis and M. Liapi with G. Andresakis, Y. Apostolopoulos, T. Gorantonaki, E. Kalogeropoulou, M. Kantarzis, D.

Linaraki, I. Liofagos, D. Mairopoulos, E.-A. Maistralis, A. Neratzouli, I.Paterakis, E. Roupa, A. Terezaki, A. Tralo, V. Tsesmetzis, D. Vaimakis, A.-M. Moschouti- Vermer, G. Voradaki

2011

*GreekArchitects.gr* <http://www.greekarchitects.gr/gr/διαγωνισμοί/europe-40-under-40-id1563>

*Project:* Dream of B: Upgrade Study V"Sygkrotimatos Charitable Association Children's Asylum.

*Architects:* K.-A. Oungrinis and M. Liapis

## 5. Academic Activity

### 5.1 Academic Positions

Harvard University, Graduate School of Design [GSD]

2004 - 2006 Visiting Research Associate  
Academic Field: *Kinetic systems and transformable spaces*  
Sponsored position by Daniel Schodek, GSD Kumagai Professor of Architecture

2004 Founding member of the research group *Critical Digital* of Harvard GSD APPLICATION reflection upon the use of digital media and tools in architecture. Cooperation with: K. Terzidis, D. Gerber, S. Pobiner, Y. Abbas, C. Cardenas, J. Brandt, J. Hwang, B. Becerik.

Aristotle University of Thessaloniki (AUTH), Faculty of Engineering, Department of Architecture

2006 - 2009 Lecturer (407/80), E 's Department of Architectural Design and Technology

2009 Founding member of the online training forum called *Computational tools and methods in design, in collaboration with* B. Papadiamantopoulos <http://www.comtomedes.gr/forum>

University of Crete, School of Architecture

2008-2011 Lecturer (407/80)

2009 Co-founder of the Laboratory Construction of Digital Models in collaboration with A. Vazakas

2011 - currently Assistant Professor (Government Gazette 1068 / 12.12.2011 sq. C.)

Academic Field *Architectural Design and Innovative Architectural Technology*

2011 - present Director of the Laboratory of Transformable Intelligent Environments The lab focuses on investigating how spaces can be transforming literally (haptic transformation), or give the impression of change (perceptual transformation) to drastically alter their behavior (intelligent environments), responding to human activity, need and / or desire, as well as environmental data.

2012 Founder of the educational, architectural web platform called *Transformable Design* | [www.transformabledesign.com](http://www.transformabledesign.com)  
On the same site the application *Dynamic Building Program (DBP)* links the sense of functionality with time and spatial qualities that must accompany the occurring activities.

### 5.2 Administrative Positions

2010- 2012 Member of the Building Committee of the School Affairs TUC Architecture

2011- 2013 Member of the TUC Research Committee

2013 Member of the Committee of Purchases of School TUC Architecture



- 2012-2013 Responsible for the digital inclusion of the School of Architecture, University of Crete in the Foundation MODIP
- 2013 to 2016 Member of the Technical Council of TU Crete
- 2014 Chairman of the Committee for the conduct of international regular tender on the supply of equipment under the Act: "Phase B buildings Department of Environmental Engineering" under the Priority Axis 7 (SUSTAINABLE DEVELOPMENT AND QUALITY OF LIFE IN THE REGION OF CRETE), P.. OP CRETE AND AEGEAN ISLANDS 2007-2013, co-financed by the ERDF (European Regional Development Fund)
- 2015 Member of the Purchase Committee of the School of Architecture TUC
- 2015 Member of Quality Assurance Committee for the School TUC Architecture
- 2015 Member of the Committee on Undergraduate Studies, Faculty of Architecture, Technical University of Crete.

## 5.3 Teaching Courses

### 5.3.1 Architectural Technology Courses (Undergraduate)

- 2003 Teaching Assistant at the course 3S1 53 Architectural against gravity of N. Tsinikas, Professor, Department of Architecture AUTH (fourth to fifth year of study).
- 2006-2009 Co-teaching the course 2T1 21 Construction Technology I with the technology group E. Tzekaki, Professor, Department of Architecture AUTH (2nd year of studies).
- 2007-2009 Co-teaching the course 2T1 31 Construction Technology II with the technology group E. Tzekaki, Professor, Department of Architecture AUTH (2nd year of studies).
- 2007 Co-teaching the course 2S3 17 Architectural of sound, noise and acoustics along with N. Tsinikas, Professor, Department of Architecture AUTH (4o- fifth year of study).
- 2007-2016 Co-teaching the course Steel and wooden structures together with M. Stavroulaki, Lecturer, School of Architecture, University of Crete (3rd year of study).
- 2008-2011 Co-teaching the course Building Technology III to N. Papamanoli, Associate Professor, School of Architecture, University of Crete (2nd year of studies).
- 2009-201 3 Teaching the course Modern materials and fabrication methods, Faculty of Architecture, University of Crete (4th year of study).
- 2010-201 2 Co-teaching the course Architectural technology: Introduction to building with I. Rigos, Assistant Professor, School of Architecture, University of Crete (1st year of study).
- 2011-201 3 Co-teaching the course Architectural technology: Light Structures with I. Rigos, Assistant Professor, School of Architecture, University of Crete (3rd year of study).
- 2011-201 6 Co-teaching the course Architectural technology: Building I with the N. Papamanoli, Associate Professor, School of Architecture, University of Crete (2nd year of study).

### 5.3.2 Architectural Design Courses (Undergraduate)

- 2001-2003 Teaching Assistant at the course 2S1 52 Nature and Space structures with N. Tsinikas, Professor, Department of Architecture AUTH (3rd-4th year of study).
- 2006-2009 Co-teaching the course 2S1 52 Nature and Space Structures with the team of N. Tsinikas, Professor, Department of Architecture AUTH (3rd-4th year of study).
- 2007-2008 Co-teaching the course 2TH3 10 Designing Objects with N. Tsinikas, Professor, Department of Architecture AUTH (fourth to fifth year of study).
- 2007-2008 Co-teaching the course 2S1 06 Residence. Synthetic Inquiries: Surface and materiality with F. Vavili, Professor, Department of Architecture AUTH (second to third year of study).
- 2007-2015 Teaching of architectural composition course on Architecture of Transformability, Faculty of Architecture, University of Crete (fourth to fifth year of study).
- 2008-2009 Co-teaching of architectural composition course on Lightweight Structures at Chania's French School, together with M. Liapi Lecturer (407/1980), Faculty of Architecture, University of Crete (fifth year of study).
- 2008-2009 Co-teaching the course 2S1 56 Architecture of extreme conditions, with F. Vavili, Professor, Department of Architecture, AUTH (3rd-4th year of study).
- 2008-2009 Co-teaching the course 3S1 09 XXL: Dynamic composition and digital technologies, along with D. Kontaxakis and St. Vergopoulos, lecturers, and M. Hadjisavva, S.. Papadimitriou, Lecturers (PD 407/1980), Department of Architecture AUTH (fourth to fifth year of study).
- 2009-2010 Co-teaching the course Architectural Design Studio 5: Olive Research Institute of at the Karidi region of Chania , along with A. Varoudakis, Associate Professor, D.. Rotsio, P. Karamanea and Ch. Deligianni, Lecturers (PD 407/1980) Faculty of Architecture, University of Crete (3rd year of study).
- 2009-2010 Co-teaching the course Architectural Design Studio 6: Municipal library of Chania, along with A. Varoudakis, Associate Professor, Ch. Deligianni, D. Rotsio and II. Karamanea, Lecturers (PD 407/1980) Faculty of Architecture, Technical University of Crete (3rd year of study).
- 2010-2011 Co-teaching the course Architectural Design Studio 7: Prototypical School facilities at the former military camp Markopoulou at Chania, with A. Varoudakis, Associate Professor, School of Architecture, University of Crete (4th year of study).
- 2011-2012 Teaching Course Architectural Design Studio 9: Passenger station and urban rejuvenation at the port of Souda, Faculty of Architecture, Technical University of Crete (fifth year of study).
- 2012-2013 Co-teaching the course Architectural Design Studio 8: Concert Hall at the West Moat of Chania, along with A. Varoudakis, Associate Professor, D.. Tsakalaki, Assistant Professor, and II. Karamanea, Lecturer, School of Architecture, University of Crete (4th year of study).
- 2014-2015 Co-teaching the course Architectural Design Studio 3: House at Chania, along with P.. Parthenio, Assistant Professor and S.. Giannoudi, Lecturer Faculty of Architecture, University of Crete (2nd year of studies).

- 2014-2015 Co-teaching the course Architectural Design Studio 8: Center of rehabilitation, along with D. Tsakalaki Assistant Professor, I. Rigos, Assistant Professor and II. Karamanea, Lecturer, School of Architecture, University of Crete (4th year of study).
- 2014-2016 Teaching Course Representations of the Imaginary, Faculty of Architecture, University of Crete (4th year of study).
- 2015 -2016 Co-teaching the course Architectural Design Studio 5: School of Art at Shoreditch London, along with D. Tsakalaki, Assistant Professor, and I. Rigos, Assistant Professor, School of Architecture, University of Crete (3rd year of study).
- 2014-2015 Co-teaching the course Introduction to Landscape Architecture, together with Th. Moutsopoulos, Associate Professor, and D. Dimelli, Assistant Professor, School of Architecture, University of Crete (3rd year of study).

### 5.3.3 Architectural Technology courses (Post Graduate)

- 2012-2013 Teaching of technological architecture elective course Special Fabrication Issues: Implementation of smart devices and materials on spatial elements, at the postgraduate program "Applied Sciences & Technology" at the Materials Technology Engineering and Construction Department, Technical University of Crete.
- 2014-2016 Teaching of the course Digital Technologies and Architectural Space on the implementation of smart assemblies to create interactive environments. It is an architectural technological specialization course of the Master program "Specialization in advanced strategies of architectural, urban, town and regional planning and landscape", Faculty of Architecture, Technical University of Crete

## 5.4 Supervision

### 5.4.1 Doctoral theses

- 2012 - Supervisor of Mr. Efstratios Georgoulaki a PhD thesis on integrating developed IT systems to spatial data, Faculty of Architecture, University of Crete
- 2014 - Supervisor Mrs Anna Kelessidis that e kponei doctoral thesis on the connection of human psychology to architecture, School of Architecture, University of Crete
- 2014 - Advisor Mr. John Tzoumerka a PhD thesis on the connection pedagogy and architecture, School of Architecture, University of Crete
- 2015 - Supervisor of Mr Marios Christoulaki a PhD thesis on computer applications for the development of architectural tools and create hybrid environments, School of Architecture, University of Crete

### 5.4.2 Theses: Research Projects

- 2006-2009 Department of Architecture AUTH  
Counseling supervision 13 Research theses work in collaboration with F. Vavili, Professor and N. Tsinikas, Professor

1. Chapitas - Psychogios *Transformability in architecture*
2. Konstantinou *The staircase depicted at the movies*
3. Natsi - Nerantzis *Green buildings*
4. Kyprianou *The feng shui in architecture*
5. Avramidou - Papantoniou *The museums of the future*
6. Metaxiotis - Mavromoustaki *The Bauhaus on today*
7. Antoniadis *Suspended facades*
8. Kostakis - Gonalaki *The blob in architecture*
9. Stogiannis *Museums and transparency*
10. Tsompanidou *The work of Shigeru Ban*
11. Tzara *EXPO architecture*
12. Giagklis *Virtual museum*
13. Malakasioti - Tsechu *Optical illusions and architectonics*

2009- present Faculty of Architecture, University of Crete

Supervision 26 research theses

1. Thodis John, *Form and message: The transitional period of the applied digital architecture* | Autonomous supervision
2. Fragaki Joanna *The uncanny feeling at the modern shifting living conditions* | Co-supervision with N. Patsavos
3. Athanailidi Panagiota *Mobile Phone: The city's Remote Control* | Independent supervision
4. Voradaki Georgia Linaraki Despina *Neurospatial System* | Co-supervision by M. Liapi
5. Gorantonaki Eugenia *The "Image" of architecture* | Autonomous supervision
6. Chontai Klodian, Constantine Nicholas *The multidisciplinary character of architecture* | Autonomous supervision
7. Tsesmetzi Basil *Quadrotopia - Towards an ecosystem of four entropies* | Co-supervision with N. Patsavos
8. Tralo Alma *The narrative theory as a design tool* | Co-supervision with N. Patsavos
9. Roupa Helen *Temporary habitation as a result of forced abandonment of the once daily normality. A constant search of familiarity on situations of exemption* | Autonomous supervision
10. Kouros Demosthenes *Demarcation, the limits of human perception* | Autonomous supervision
11. Zuzula Dimitra *Social dynamics and evolution of the public square: the case of Pelion* | Autonomous supervision
12. Velivasakis Georgios, Maistrali Evangelos *Genius Mediterranei* | co-supervision with S. Giannoudi

13. Chassiotis Nikolaos *Abandoned Cities "(The case of Famagusta)* | Autonomous supervision
14. Mairoopoulos Dimitrios *Seeking the soul of buildings* | Autonomous supervision
15. Kantarzis Michael *Architecture as design interface: The example of cyberspace* | Autonomous supervision
16. Assimakis Nikolaos Inglezakis John *Back to the future: The soil as a modern building material* | Autonomous supervision
17. Dalakoura Joanna *The architecture of tree houses* | Autonomous supervision
18. Freitas Carolina *Cultural translator: Glocal architecture between memories and materials* | Autonomous supervision (Erasmus student)
19. Spanaki Calliope *For the architecture and the moving body: the importance of kinaesthetic attributes as a way of perception of space* | Autonomous supervision
20. Mary-Claire Hearts *Reception-Perception-Reaction / in the comic book, in the city* | Autonomous supervision
21. Kampitaki Antigone -Maria, Chamilothoni Kynthia *Memorigami - Facades that respond to the environment* | Autonomous supervision
22. Tolis Nikiforos *An organizer and creator asks for help. Infrastructure at structural limits of architecture* | Autonomous supervision
23. Vlachiotes Efstathios *Flashback to the socio-economic systems of human history in order to outline the coming information age, as viewed through the perspective of an architect* | Autonomous supervision
24. Paschidis Mariana, Moschoutis Vermer Anna-Maria *Ex - sparience: The space as the third dimension of the educational process* | Autonomous supervision
25. Ragkavani Helen Stavrakakis Marilena *Experiential interactions: A method of enhancing the urban experience* | Autonomous supervision
26. Mylona Panagiota *Living, acting and reacting underground: The underground sustainable city* | Autonomous supervision

#### 5.4.3 Theses: Diploma Design projects

2006-2009

Department of Architecture AUTH

Assistant Supervisor for 12 dissertations in collaboration with F. Vavili, Professor and N. Tsinikas, Professor

1. Kouroumpi *House of winds - Design a standard island residence informed by the air flow*
2. Sereti *Aquarium at Vouliagmeni Athens*

3. Simeoforidou *Modern Library next to the Telogleio Foundation*
4. Konstantnidou *Event space - Designated interactions and experiences*
5. Avramidou - Papantoniou *Design Museum at Ladadika*
6. Mpogiatzi - Dourtme *Opera on Dock 1*
7. Georgatou *Museum Cinematografique at the location of the military camp Kodra*
8. Kyprianou - Antoniadis *Student Housing for AUTH*
9. Margetis *Museum of Automobiles*
10. Kouri *Prototypical School at Toumba Thessaloniki*
11. Metaxiotis - Mavromoustaki *Architectural Museum at the grounds of the International Exhibition of Thessaloniki*
12. Chaptas *Spaces of mobile dwelling*

2009-present Faculty of Architecture, University of Crete

Supervision 34 diplomatic work

1. Thodis Giannis *The Digital Aquarium of Informatics and Robotics at the Loutraki beachfront* | Autonomous supervision
2. Fragkaki Ioanna *Dwelling units for non-permanent habitants at the area of the Elder Home at Tabakaria, Chania* | Co-supervision with Al. Tzobanaki
3. Mytilineou Sofia *A novel perspective for designing Orphanage Housing* | Autonomous supervision
4. Gkologkina Elli *Design approach system that create places of urban entertainment* | Co-supervision with Al. Tzobanaki
5. Athanailidi Panagiota, Tomara Stavriana *Urban spatial experience generators* | Co-supervision with S. Giannoudi
6. Filippopoulou Stavroula *Configuration the landscape by synthesis creating routes and interactions at the West Trench* | Co-supervision with M. Varoudakis
7. Christakopoulou Ismene *Between public and private: Spaces of expression - exhibition - habitation in the Old Hospital of Chania* | Co-supervision with Al. Vazakas
8. Kourtoumi Chrisoula, Constantine Nicholas *A touring world. Recording children's kinetics abilities through an interactive experimental mobile classroom* | Co-supervision with S. Giannoudi
9. Katsaouni Stavroula *The passage from the individual to the collective. Development of a system for the synthesis of communal housing, adaptable to different spatial environments* | Autonomous supervision
10. Alexopoulou Efstratia, Roupa HEleni *Tackling natural disasters in the Mediterranean region. Emergency Housing tailored to*

*users. Design with an emphasis on daily activity of residents* | Co-supervision with S. Giannoudi

11. Gorantonaki Eugenia Bregiannis Kyriakos *Bus Station in the city center of Chania* | Co-supervision with D. Tsakalakis

12. Voradaki Georgia, Tralo Alma *Airport as a cultural hub* | Autonomous supervision

13. Linaraki Despina *Life in extreme environments: architectural design of a space station in the clouds of Venus* | Autonomous supervision

14. Grigoriadou Eva, Manousogiannaki Georgia *Rec\_ cover: The architectural surface as a mean of creating meeting places* | Co-supervision with S. Giannoudi

15. Mairopoulos Dimitrios *The great Xanadu dome* | Autonomous supervision

16. Kantarzis Michael, Chontai Klodian *Transformable Ephemeral Resting places in Airports* | Autonomous supervision

17. Assimakis Nikolaos, Inglezakis Ioannis - Georgios *The structural system "plethro": Development and implementation in a house in Egypt* | Autonomous supervision

18. Velivasakis George, Kouros Demosthenes *Between the city* | Co-supervision with S. Giannoudi

19. Carolina Freitas *Cultural translator: Glocal architecture between memories and materials* | Autonomous supervision (Erasmus student)

20. Samiou Adamantia *Community Empowerment in Piraeus. Designing the site of an old textile factory* | Co-supervision with S. Giannoudi

21. Chassiotis Nikolaos *Enaerios* | Autonomous supervision

22. Zuzula Dimitra *Redesigning the beach front of Milina* | Autonomous supervision

23. Kampitaki Antigone-Maria, Chamilothoni Kynthia *Ecological Residential Community in Chania - The Octahedron project* | Autonomous supervision

24. Theodoraki Vasiliki, Ntriva Leda-Evangelia *Rehabilitation of the Lake Vouliagmeni in order to maintain the sacramental character* | Co-supervision with P. Karamanea

25. Lasithiotaki Melina, Botsis Panagiota Chara Christopoulou *Emerging social activation networks: Spatial inscriptions, Stage 5* | Autonomous supervision

26. Kolokythakou Theodora, Ragkavani Eleni, Stavrakaki Marilena *Feel (ing) the city: tapping the psyche of the wanderer at the old town of Chania* | Autonomous supervision

27. Vlachiotis Efstathios *Designing for living in the near future at the end of the Information Age. The role of the architect, the society and the senso of habitation* | Autonomous supervision
28. Lionaki Eleni *ARCH TUC 2014: Pervasive and flexible architectural education in the city* | Autonomous supervision
29. Massala Eleanna *Experiencing urban spaces as a game-Strategies to reuse and re-specify urban voids within the urban grid of the Old Town of Chania* | Autonomous supervision
30. Chrysostomou Konstantina *Reuse the abandoned Nicosia airport as a hub of learning and a catalyst for the osmosis of the two communities* | Autonomous supervision
31. Katikaridi Anastasia, Pappas Georgios *New Chania Stadium-spatial interventionsto enhance the sport culture* | Autonomous supervision
32. PaschidisMariana, Moschouti-Vermer Anna-Maria *Turning school into a space for kids* | Autonomous supervision
33. Geromitsou Erato-Anna *Between the city center and the train tracks - Artistic education and creative activities at Agioi Anargyroi Attikis* | Autonomous supervision
34. Symilidou Savina *Spaces for social interaction in the center of Limassol* | Autonomous supervision

#### 5.4.4 Participation of student work in architectural competitions (only the ones that were awarded a distinction)

- |      |   |
|------|---|
| 2008 | Honourable Mentions for the group of C. Voradaki, D. Linaraki, St. Tomaras and M. Chalkiadaki, students of the School of Architecture of the University of Crete, the Panhellenic architectural student competition "Design new building cafeteria and multi-purpose hall of the Faculty University of Thessaly and housing proposal outdoor theater. " |
| 2009 | Qualification 2nd lap o assessment for the group of El. Gkologkina and I. Fragaki, students of the School of Architecture of the University of Crete, in the global competition "Cognizance 2009. Spotlight: Design of a research station in Antarctica for a crew of four scientists."   |

## 5.5 Member of jury committees

### 5.5.1 Doctoral theses

- |      |  |
|------|--|
| 2012 | Escuela Técnica Superior de Arquitectura del Vallès (ETSAV -Barcelona)<br>Member of the evaluation committee (External Reviewer) for the doctoral thesis of Ana Cocho Bermejo entitled "EmDeplo Morphogenesis" in the doctoral program of Architectural Design and Technology, under the supervision of Ramon Sastre, Professor. |
| 2015 | Aristotle University of Thessaloniki<br>Member of 7-member s evaluation committee for the doctoral thesis of Panagiotis Chatzitsakyris entitled "Exploring and Creating New Digital Methods for Management and   |



Planning Spatial Events" in the doctoral program of Architecture, supervised by Konstantinos Spyridonidis, Associate Professor.

### 5.5.2 Theses Research

2009-present Faculty of Architecture, University of Crete

Member of the 3-member evaluation committee of 30 research theses.

### 5.5.3 Theses: Diploma

2009-present Faculty of Architecture, University of Crete

Member of the 3-member evaluation committee of 16 diploma design projects.

## 5.6 Organization and teaching of intensive workshops

2007 Aristotle University of Thessaloniki

Title *A European Vision for the 21st Century City: Redesigning an Axis in Thessaloniki*

Information International workshop with 26 students of architecture  
14-18 / 05/2007, Thessaloniki, Greece

Role Teaching

Partners T. Andreadou, Z. Karamanou, St. Vasiliadis, E. Dova, K. Oudatzi,  
D. Kontaxakis, G. Vlachodimos (AUTH), E. n vo Mackensen, A. Jannsen  
(University of Applied Sciences - Koblenz), A. M. Dabija  
(Ion Mincu Institute of Architecture), S. G. Dundar  
(Dokuz Eylul University Izmir)

2009 Aristotle University of Thessaloniki, National Technical University of Athens, UCL  
Bartlett, TU Delft, Grenoble School of Architecture, Lyon School of Architecture,  
Barcelona IUAV, TU Wien

Title *F2F Continuum Workshop*

Information International workshop with the participation of 30 students of architecture.  
11 - 16/05/2009, Barcelona, Spain

Role teaching

Affiliates C. Aguiló, R. Sastre (School of Architecture del Vallès, Barcelona), Y. Blanch i (Grenoble  
School of Architecture), C. Friedrich (TU Delft), S. Hanna (UCL, The Bartlett School), C. Kern, F.  
Rist, F. Welte (TU Wien), P. Marin (Lyon School of Architecture), D. Papalexopoulos, A.  
Stavridou (NTUA), V. Papadiamantopoulos, Nikos Tsinikas, M. Voyatzaki (AUTH).

2010 Technical University of Crete

Title *Design and Fabrication Workshop: EcoRedux v\_02 (part 01)*

Information International workshop with the participation of 29 students of architecture.  
09-22 / 08/2010, Chania, Greece

Role Organizer and teaching

Partners III. Adilenidou (Architectural Association), A. Pla Català (IE University), L. Kalipoliti (Cooper  
Union), M. Liapi (TUC) and M. Young (Cooper Union)

- 2011**      **Technical University of Crete and the IE University (Segovia)**
- Title      *Design and Fabrication Workshop: EcoRedux v\_ 02 (part 0 2)*
- Information      International workshop with 24 students of architecture.  
27 / 02-04 / 03/2011, Segovia, Spain
- Role      Organizer and teaching
- Partners      A. Pla Català (IE University), L. Kallipoliti (Cooper Union), M. Liapi (TUC) and M. Young (Cooper Union)
- 
- 2011**      **Technical University of Crete**
- Title      *Nature and Spacestructures: Design Light Constructions with Tension Membranes*
- Information      Workshop involving 44 students of architecture.  
28-29 / 0 5/2011, Chania, Crete
- Role      Organizer and teaching
- Partners      N. Tsinikas
- 
- 2011**      **Technical University of Crete and the European Network of Heads of Schools of Architecture (ENHSA)**
- Title      *Sens [e-Res] ponsive Architecture Workshop*
- Information      International workshop with the participation of 30 students of architecture  
22-29 / 08/2011, Chania, Greece
- Role      Organized and teaching
- Partners      E. Ackermann (MIT), M. Vogiatzaki (AUTH), pp. Yiannoudes (PAP) D. Gourdoukis (AUTH), M. Zaroukas (UoEL), C. Friedrich (TU Delft), M. Liapis (PAP), P. Schmitt (MI T), S. Seitingger (MIT), K. Spyridonidis (AUTH), K. Terzidis (Harvard GSD) and P. Chatzitsakyris (AUTH).
- 
- 2012**      **Students of European Board of Technology (BEST) and the Technical University of Crete**
- Title      *Materials and techniques to build just about anything*
- Information      International workshop with the participation of 27 students Polytechnics of Europe  
28 / 07-08 / 08/2012, Chania, Greece.
- Role      Organized and teaching
- Agent      M. Liapis (CC)
- 
- 2014**      **Ariel University**
- Title      *Time-Activity-Space*
- Information      International workshop with the participation of 20 students of architecture  
23-24 / 04/2014, Ariel, Israel.
- Role      Teaching
- Partners      M. Liapi (TUC) and Beni Levy (Ariel University)

- 2014** Technical University of Crete  
**Title** *Transformable Intelligent Environments Laboratory Workshop*  
**Information** Workshop involving 31 students  
10-24 / 01/2014, Chania, Greece  
**Role** Organizer and teaching  
**Partners** M. Liapi (TUC), Olga Bannova (University of Houston), E. Ackermann (MIT)
- 2014** Technical University of Crete and Ariel University  
**Title** *The light and the labyrinth. In between the length of the light and the depth of the place*  
**Information** International workshop with the participation of 60 students / three architecture  
25-26 / 08/2014, Chania, Greece  
**Role** Organized and teaching  
**Partners** M. Liapi (TUC), Beni Levy (Ariel University), Edna Langenthal (Ariel University) and Michal Moshe (Ariel University).
- 2015** Aristotle University of Thessaloniki and the University of Crete  
**Title** *Educational Pla(y)ces: architectural approaches and techniques for interiors that support "learning through play", with educational and non-places*  
**Information** Experiential workshop "Places for Learning Experiences Research, Create, Change"  
31 participants educators and architects  
09-10 / 01/2015, Thessaloniki, Greece  
**Role** Organized and teaching  
**Partner** M. Liapis (TUC)
- 2015** Technical University of Crete, University of Houston and NASA  
**Title** *Extra-terrestrial habitats workshop: Design of a Mars colony*  
**Information** International workshop on the design and operation of a habitat on Mars for 40 people.  
17 participants, students of architecture  
04-12 / 04/2015, Houston, TX, USA  
**Role** Organized and teaching  
**Partners** M. Liapi (TUC), O. Bannova (UH), L. Bell (UH), L. Toups (NASA)
- 2015** Ariel University and the Technical University of Crete  
**Title** *Architecture meets Robotics Workshop*  
**Information** International workshop with the participation of 45 students / three architecture  
28 - 30/04/2014, Ariel, Israel.  
**Role** Organized and Teaching  
**Partners** B. Levy, Z. Shiller, E. Itzik (Ariel University)

## 5.7 Educational tours

Technical University of Crete

- 2010 Organization of educational tour in the USA (Los Angeles, Boston, New York) with the participation of 92 students / three. Visits to the most important architectural attractions and the architectural faculty of MIT university and Harvard.
- 2013 Organizing educational trip to Sweden and Norway, with the participation of 62 students / three. Visits to the most important architectural attractions as well as architectural schools and universities KTH AHO.

## 5.8 Seminars

2013 Cultural Centre of Chania

Title *The Alphabet of Architecture*

Information Introductory Seminar architecture for 40 participants of various specialties.  
11 / 10-20 / 12/2013, Chania, Greece

Role Lecture under the theme: Construction and Architecture technology. The digital world and Architecture.

## 6. Research Activity

### 6.1 Transformable Intelligent Environments Laboratory TUC TIE Lab

Founder - Director | 2011-present | [www.tielab.tuc.gr](http://www.tielab.tuc.gr)

#### 6.2.1 Research Location: Education Environments

PROGRAMME (1)	<i>The Spirit   Ghost Project</i> (2011-present)
Description	<p>Development of systems to create intelligent spaces to enhance the educational process in the university environment, aiming at the creation of the future lecture hall.</p> <p>It is the basic development platform for the <i>sensponsive</i> logic and contains all fundamental research activities. Four phases have been completed:</p> <ul style="list-style-type: none"><li>▪ S   G 01 - Certification of the total system regarding operation processes and feasibility assessment study</li><li>▪ S   G 02 - Development of an activity recognition system that makes assessments by monitoring six critical parameters. Synchronization of the digital and the real environment</li><li>▪ S   G 03 - Development and implementation of kinetic mechanisms in automatic response to the activity quantitative parameters (interactive phase).</li><li>▪ S   G 04 - Development and operation of the system response to the activity qualitative parameters (sensponsive phase).</li></ul>
Scientists. Responsible	K.-A. Oungrinis
Credits	D. Mairopoulos, S. Ntzoufras, M. Liapis, S.. Georgoulakis, M. Christoulakis, E. Lionaki, M. Telo, E. Stathopoulou A.-M. Moschouti-Vermer,
PROGRAMME (2)	<i>Ekpaidotopoi / Educational Pla(y)ces</i> (2011-present)
Description	<p>The aim of the research program is to enhance the educational process through environmental stimuli and the active participation of space in the learning processes, by multiplying the types of activities and their learning experiences. The Educational Pla(y)ces create the spatial allowances for a gradual transition to a children-centric approach that enhances the familiarity between the pupils and their teachers, with daily actions that involve the environment with emphasis on the "learning through play" approach.</p>
Scientists. Responsible j	K.-A. Oungrinis and M. Liapi Research Associate, University of Crete

Project (1) *Many Happy re - Turns*  
Description Multifunctional item, learning equipment, educational tool, furniture, game, etc, specially designed to offer diverse uses and spatial provisions for children of 3-8 years.  
Awards Silver Award at the International Design Awards IDA-14  
Credits M. Liapi and E. Gkologkina  
Funding TUC and KEPEDICH-KAM

Project (2) *Designing with Children: Transforming Spatial Design*  
Description Participation at the program of the Faculty of the Architecture University of Sheffield after invitation. The program chose and evaluated a total of six case studies in a European level. The work was materialized in cooperation with the 13th Elementary School of Chania and investigates the active participation of the sixth grade in the process of redesigning the school environment, and specifically through the design and construction of a library space with recyclable materials.  
Credits M. Liapi, E. Gkologkina, I. Fragaki, O. Altouva (TUC) and R. Parnell, M. Patsarika, J. Birch and M. Sorn (University of Sheffield)  
Financing The Leverhulme Trust

Project (3) *Our school otherwise - Community participatory design*  
Description Participatory redesign the school yard and transition areas in the 13th Chania Elementary School through active participation and interaction between students of all classes, teachers, director, parents and architects.  
Credits M. Liapi, E. Gkologkin d, I. Fragaki, O. Altouva, A.-M. Moschouti, M. Paschidi  
Pedagogical Consulting Ch. Terezakis and Ch. Bountrogianni, Education aideftikoi  
Funding TUC, ET.AN.AP. SA /Samaria and the Association of Parents of the 13th Elementary School of Chania

Project (4) *Alternative playground*  
Description Design and construction of a Prototypical Play Installation at Park Flora and Fauna of the Technical University of Crete using natural and recycled materials. The facility was designed to investigate stimulating processes of a the existing conditions by creating a flexible and adaptable setting with mobile and transformable structures. It was conducted as part of the course *Architecture of Transformability*.  
Credits M. Liapi, A. Kampitaki, Y. Kaperoni, L. Nicholaou, K. Patsiogianni, K. Chamilothori, El. Massala, D. Sapountzi, S. Simillidou, M. Sorrou, P. Karamouzi, D. Koutsoubas, Er. Rammou, V. Tsitsipa, G. Chormpa, N. Giakouvi, S. Draculi,

An. Katikaridou, Sm. Mazarakis, A.-R. Moschoutis, M. Paschidi, N. Tolis and K. Fiorakis.

Consulting

S. Alevizaki, Pediatrician

Project (5)

*Proposals for new educational equipment*

Description

Design and construction of elements for the enhancement of a classroom of the Elementary School of Chrysopigi. The study concerned the creation of new mobile equipment and refurbishment of the surfaces of the classroom to act positively in the educational process. It was conducted as part of the course *Architecture of Transformability*.

Credits

M. Liapi, G. Andredakis, A. Anagnostou, C. Georgakaki, S. Deligianni, S. Konstantinidis, V. Molassi, K. Oikonomakis, M. Tempelopoulou, D. Tzagkarakis, I. Tsoli, I. Thanou, El. Sklavou and P. Charvalakis.

Consulting

E. Ackermann-Developmental Psychologist, Research Associate MIT / Harvard

Educational support

S. Alevizaki, Pediatrician, M. Andronikakis-Teacher, Director of Elementary School of Chrysopigi, A. Terzopoulos - Teacher.

Project (6)

*Upgrading the learning environment in kindergartens and primary schools*

Description

Research on the establishment of a methodology for spatial interventions at kindergartens and elementary schools through the use of flexible arrangements and equipment as well as energy saving techniques. Seventy-two kindergartens and elementary schools have declared interest to be included, and the program proceeds with interventions at 8 per year.

Consulting

E. Ackermann - Developmental Psychologist, Research Associate MIT / Harvard

Credits

M. Liapi, O. Altouva, Ch. Mpalomenaki

Project (7)

*Green Ekpaidotopoi*

Description

Series of seminars for preschoolers on "Reduce-Reuse-Recycle" and cooperative manufacturing of toys from everyday objects.

Credits

M. Liapi, E. Gkologkina

Funding

KEPPEDICH-KAM

PROGRAM (3)	<i>Architectural redesign and pedagogical development (2013 to present)</i>
Description	Pilot program under the approval of the Greek Ministry of Education for the investigation and the pedagogical use of school space driven by spatial transformability and flexibility. Completed the phase of recording and the initial studies. Followed by the implementation phase with the construction of spatial objects. The program will be complete with the evaluation of the new environment as a "supporter of the educational process."
Research Coordinator	K.-A. Oungrinis, E. Gourgiotou, M. Liapi
Credits	94 students and students of the Technical University of Crete, School of Architecture and 38 undergraduate students of the Department of Preschool Education of the University Crete.
PROGRAMME (4)	<i>Programme EXIS - Developing the school environment (2015)</i>
Description	The program is aimed at upgrading the school environment of the B complex of school buildings of the Foundation "Children's Sanctuary", at Thessaloniki. The upgrade is aimed at the active participation of space in the educational process through analog and digital media. Moreover, through sophisticated design and calculation tools, aims to achieve zero energy balance in the use of the building.
Research Coordinator	K.-A. Oungrinis
Credits	D. Germanos, D. Kolokotsa, M. Stavroulaki, M. Liapis, S. Ntzoufras, M. Kantarzis, M. Telo
Funding	Foundation "Children's Sanctuary"
PROGRAM (5)	<i>Program "Design for Better Learning" (2015)</i>
Description	The program is aimed at upgrading the school environment 17 <sup>th</sup> Junior Lyceum of Athens, based on the damage rehabilitation interventions. The upgrade is aimed at active participation t s school premises in the educational process, and foster a sense of school community.
Research Coordinator	K.-A. Oungrinis
Credits	D. Germanos, M. Liapi
Partners	Municipality of Athens
Funding	3 E Coca Cola

## 6.2.2 Research Area: Extreme Environments

PROGRAMME (1)	<i>Intelligent spacecraft module (ISM) (2012-present)</i>
Description	Development of systems and design of environmental systems designated to improve and stabilize the psychological condition of people in extreme conditions, specializing in the areas of astronauts' living in space. Cooperation with the International Space University (ISU) with inclusion of the ISM in the research proposal <i>MarsX Final Report: Exploration of Mars from Martian Orbit</i> . Collaborating institutions and agencies abroad: ISU, University of Houston, Florida Institute of Technology, and NASA.



Scientific Coordinator K.-A. Oungrinis  
Credits M. Liapi, A. Klothakis, D. Mairopoulos, D. Linaraki, L. Gargalis, M. Paschidis, A. Kelessidis, M. Telo, A. Georgakopoulos, S. Ntzoufras, V. Ntimeris

PROGRAMME (2)  
Description *The astronauts' playscape* (2013 - present)  
The project studies the process of spatial familiarization for astronauts in microgravity and it proposes an interdisciplinary methodology called the Microgravity Playscape Adaptation Approach (MPAA) for countermeasure the symptoms of chronic confinement in extreme conditions.

Scientific Coordinators M. Liapi, E. Ackermann-Developmental Psychologist, Research Associate MIT / Harvard

PROGRAM (3)  
Description *Re-thinking everyday life in extreme environments - A case study* (2013 - 2014)  
The project explores the concepts of dwelling and well-being inside the Concordia research station at Antarctica. The program was recording the spatial qualities similarities and the elements of the interior environment that are associated with the spatial and psychological comfort of the researchers, who have to live in confined conditions for a year.

Scientific Coordinator K.-A. Oungrinis  
Credits M. Liapi  
Consultant Ad. Golemis, Doctor of the European Space Agency (ESA) to the station Concordia.

### 6.2.3 Research Area: Cultural Environments

PROGRAMME (1)  
Description *Hybrid Platform for Environmental Promotion (HEPP)* (2013-present)  
Development of a hybrid platform which is capable of creating immersive experiences of distant places and events. The development of this powerful tool allows multiple applications in education, culture and tourism. The platform has already been tested in a series of events and evaluated extensively to improve its operation. The largest event so far was the event *Public "Emerging identities" in the image of the city - Featuring multiple images in the old town of Chania.*

Scientific Coordinator K.-A. Oungrinis  
Awards Shortlisted at the competition "The Digital Gate Athens International Airport "El. Venizelos".

Credits I. Paterakis, M. Christoulakis, M. Liapi, M. Kantarzi, G. Lykos, D. Sapountzi, M. Dimopoulou, N. Avarikioti, D. Koutsoumpas

PROGRAMME (2)  
Description *Automatic Mobile Theater* (2013)  
Through the program an array of interactive spatial components of an environment was investigated for creating an immersive tele-performance. This is an innovative technique developed as a theatrical play to be broadcasted live to audiences who are in a distant location. Another feature of the system is that it can blur the limits between stage and

audience. The proposal was included in a programmatic agreement between the Greek and the Chinese Education ministries on December 2012.

Scientific Coordinator

K.-A. Oungrinis

Consultant

E. Ackermann-Developmental Psychologist, Research Associate MIT / Harvard

Credits

M. Liapi, I. Tzoumerkas, V. Petropoulou, G. Andresakis, N. Assimakis, S. Vlachiotis, C. Inglezakis, M. Kantarzis, D. Mairopoulos, K. Chontai.

PROGRAM (3)

*TIE Lab Dance (2015)*

Description

The team TIE Lab Dance explores the profound influence of kinesthetic perception and behavior in the area during the dance. The study is based on the use of Kinect technology for recording the movements and their differentiation in response to geometrical and ambience changes of the space.

Scientific Coordinator

K.-A. Oungrinis

Credits

O. Theofanopoulou, A. Kelessidi, M. Dimopoulou, I. Athanasiadi, Chr. Tsoulakou, K. Souchra.

PROGRAMME (4)

*Flat-pack modular exhibition stand (2015)*

Description

Design and development of a modular - collapsible system for use as a stand in exhibitions. The project was constructed as a prototype and was used in the Exhibition London 's Coffee Festival.

Scientific Coordinator

K.-A. Oungrinis

Credits

M. Liapis, The. Altouva, D. Koutsoumpas, N. Avarikioti

Funding

Shuttle & Loom

#### 6.2.4 Research Area: Sustainable architecture

PROGRAMME (1)

*The Envirobubble-Clean Air Pods Redux (2010-2011)*

Description

Development of an interactive installation consisting of four types of air tanks (Pods) as dialysis machines. Each group (pod) performs and displays a cleansing process that focuses on different types of environmental pollution: A) Particles B) Humidity c) Gases and D) CO<sub>2</sub>.

Scientific Coordinator

K.-A. Oungrinis, M. Liapi (TUC), Lydia Kallipoliti and Michael Young (The Cooper Union), Anna Pla Catalá (IE School of Architecture)

Credits

G. Andresakis, Y. Apostolopoulos, T. Gorantonaki, E. Kalogeropoulou, M. Kantarzis, D. Linaraki, I. Liofagos, D. Mairopoulos, E.- A. Maistralis, A. Neratzouli, I. Paterakis, E. Roupa, A. Terezaki, A. Tralo, V. Tsesmetzis, D. Vaimakis, A.-M. Moschouti-Vermer, G. Voradaki

Financing

EcoRedux Program Princeton University

PROGRAMME (2)

*Supporting Innovative Ideas: Airpotition (2011 - present)*

Description

Development of a prototype that exploits energy and formalistic features of air conditioning units on the facades of buildings. It utilizes the water shed exterior units of air conditioners to help the growth of vertical green on the facades of buildings. Cooperation with the program Green Envelope System (GRE \_ EN \_ S) of R. Jordano, Professor, Politecnico di Torino.

Scientific Coordinator K.-A. Oungrinis  
Credits I. Paterakis, A. Trao, G. Voradaki, Ang. Klothakis  
Financing TUC - Innovation and Entrepreneurship Unit

PROGRAM (3) *Supporting Innovative Ideas: Legodome (2012- 2013)*  
Description Development of a building system and technical specifications of a construction technique applying low-tech natural materials, and specifically adobes of raw earth, combined with innovative design methods and engineering tools and a modular assembly system for the construction of affordable housing that promotes ecologically awareness.

Scientific Coordinator K.-A. Oungrinis, K. Providaki, I. Rigos, E. Stiakakis  
Credits N. Assimakis, G. Inglezakis, G. Andresakis  
Financing TUC - Innovation and Entrepreneurship Unit

PROGRAMME (4) *Supporting Innovative Ideas: Memorigami (2013- 2014)*  
Description Development of an automatic shading system using Shape Memory Alloys, the leads to reduction of operating costs, reduced maintenance and ease of application. The technique is based on parametric processes that calculate the required density and the quality of shading according to the environmental impact on the surfaces of the building and the activity taking place within it.

Scientific Coordinator D. Kolokotsa, K.-A. Oungrinis, K. Providaki  
Credits A. Kampitaki, K. Chamilothoni  
Financing TUC - Innovation and Entrepreneurship Unit

### 6.2.5 Research Area: The influence of the area in psychology

PROGRAMME (1) *Psychospaciality research (2014- present)*  
Description Special field of research where we measure the influence of spatial information on psychology and mood of people. The research results have important contribution to the design methodologies and strategies. Research is experimental and is based on 'live' experience, virtual reality and EEG devices. The experiments carried out in collaboration with Ass. Professor Elias Economou, from the Department of Psychology, University of Crete, and widely supported by the community of the University of Crete.

Scientific Coordinator K.-A. Oungrinis  
Credits M. Liapi, A. Kelessidi, A.-M. Belentza, A. Nikitakis, M. Christoulakis and S. Ntzoufras.

## 6.2.6 Research Area: Advanced design and technology practices

PROGRAMME (1)	<i>Swarm Fabrication (2015)</i>
Description	Research regarding the collaborative multi-agent Swarm Fabrication operation. This research is based on a combination of tools, such as, Grasshopper, ReactVision, drones and small "of-the-shelf" robots. The robots are directly controlled through the Grasshopper and their location is identified through the ReactVision. In this early phase of the project, we investigate their behavior in the autonomous movement and the application of simple objectives, such as transition to a specific points, where they self-organize to move around obstacles and avoid collisions, and be able to transport building materials and install them to the right place.
Scientific Coordinator	K.-A. Oungrinis
Credits	M. Christoulakis and S.. Ntzoufras

PROGRAMME (2)	<i>Pre - Occupancy Evaluation (2015)</i>
Description	Research on the Pre - Occupancy Evaluation concept with applications in virtual reality technology and the platform Oculus Rift. We study the capability of virtual reality tools in the design environment Rhino and the possibility of enhanced design capacity simulating designing while site of the intervention. The ability to function 'within' the three-dimensional environment, seeing directly the characteristics and effects of design decisions is a highly significant upgrade in the design process and leads to more informed solutions.
Scientific Coordinator	K.-A. Oungrinis
Credits	M. Christoulakis and S.. Ntzoufras

## 6.2.7 Research Area: Advanced Technologies in Tourism Applications

PROGRAMME (1)	<i>Local Tourist Experience (2015)</i>
Description	Research on tele-presence applications through the HEPP platform that produces hybrid environments for the promotion of tourist attractions and landscapes of unique beauty and character. The investigation focus on the potential of providing "immersive" experiences at remote areas, with the possibility of remote autonomous image capture and their combination into a scalable environment of display units. These units can be found in various points of interest and dynamically inform tourists about possible destinations.
Scientific Coordinator	K.-A. Oungrinis for TUC.
Collaboration	iProvide IKE, Thanos Paraschos, CEO and Sensor IKE, Jason Paterakis, CEO, Project Manager
Credits	E. Lionaki, M. Kantarzis, G. Lykos, M. Christoulakis
Financing	Crete Development Organization

## 6.2 Personal research project

- 1999-2000 Participation in the research project *PELLA* of AUTH Research Committee relating to the design and supervision of construction of school libraries in eight primary schools in the Prefecture of Imathia. Scientific Coordinator: N. Tsinikas, Professor, Department of Architecture AUTH. Body s: EPEAK
- 2004-2005 Research on kinetic systems, digital control systems, motor models, perception issues in relation to the behavior of man in space, adaptive static systems, biomechanics, modern materials, parametric design and construction, with D. Schodek, Kumagai Professor of Architecture, M. Bechthold, Professor of Architecture, K. Terzidis, Professor of Architecture and M. Addington, Professor of Architecture under the auspices of the Department of Architectural Technology at Harvard GSD.
- 2004-2005 Series of interviews in the context of research on the transformable interactive architecture:
- Chuck Hoberman, Hoberman Design Inc.
  - Michael Fox, Odesco office and Assistant Professor at the Southern California Institute of Architecture
  - Hiroshi Ishii, Associate Professor of Media Arts and Sciences, director of the research group Tangible Media of the MIT Media Lab
  - Joe Paradiso, Associate Professor of Media Arts and Sciences, director of the research team Responsive Environments of the MIT Media Lab
  - Larry Rudolph, director of the research team Oxygen, MIT CSAIL
  - Rodney Brooks, director of MIT Artificial Intelligence Laboratory
- 2005–today Interdisciplinary research for the development and implementation of identification systems of human activity in space and development of active response mechanisms in order to meet the space to changing human needs and desires. This approach tries to sophisticated cognitive ability in the field to act with specific behavior patterns. The approach is entitled *Sensponsive*, from *sensible responsiveness*, and is an integration approach methodology of information technology and the internet of things in space and its elements, working discreetly and in harmony with human activity.
- 2006–today *Experience-Time- City | Designing by man to man*. This investigation concerns a design approach where key design element is the experiential output of the produced artificial environment, and its communicative ability. It aims to set methodologies for interventions on sites and wider in the city as a whole, through bottom up processes, focusing on the multi-dimensional perception of the environment by people. Starting from the impression and the emotional 'message' that the designer wish to communicate through space, this approach starts to create a range of tools and

typologies of focused small scale interventions that gradually evolve into a comprehensive solution for the whole urban fabric through their combination.

2006-today

Research on the relationship between the Role Playing Games (RPG) and architecture on two levels. The first is the ability to demonstrate the ability of role playing in stimulating architects' imagination and help them create imaginary environments. In these the characters function normally in a variety of activities and through the roleplaying they have an immersive and spatial experience. This research direction tries to create techniques that can be used by architects to better imagine their compositions and to envision more efficiently ways to satisfy the building program they have. The second level examines the methodology by which RPG classify characteristics and formulate rules, in order to develop powerful tools for simulations that can help make more precise assessments in preoccupancy evaluation processes.

2007-2008

Case Study for investigating and implementing the principles of transformable architecture. The case study involves the construction, by a group of students, of a small transformable gathering building for students, named the "Hut" in actual size, in the context of the elective courses *Transformable Architecture* and *Metal and wooden structures* in the yard of the ex-French School at Chania, with funding from the Rector of the Technical University of Crete.

Phase I 2008. C. Velivasakis, E. Gorantonaki, C. Daskalakis, I. Inglezakis, A. Kapsalis, K. Bregiannis

Phase II 2011 N. Avarikioti, E. Alexiou, G. Andresakis, N. Assimakis, C. Velivasakis, E. Gorantonaki, Ch. Desi, I. Inglezakis, A. Katikaridou, P. Katramadakis, A. Kapsalis, D. Kouros, D. Koutsoubas, A. Constantini, I. Liofagos, M. Nikolakaki, D. Petasi, I. Prosoyaris, M. Sorrou, E. Stathopoulou, A. Hatzimichali, A. Christaki.

Supervisors: K.-A. Oungrinis and M. Stavroulaki

2009

Participation in the research program *F2F - File to Factory Continuum: Architectural Design and Manufacturing: From the school lab to the fabrication workshop*. The program explored methods and protocols to improve the correlation between Architectural Schools and companies that manufacture structural components and materials. The program focused on using digital media efficiently and seamlessly to promote smooth cooperation between the two parties.

Coordinator: M. Vogiatzaki, Assoc. Professor in the Department of Architecture of AUTH

2011-today

Participation in the research program *EODRA: European Observatory of Doctoral Research in Architecture*. The program supports the creation of the online platform EODRA, in order to connect doctoral candidates to set up 'bridges' between researchers that work on the same areas and create discussion nodes. The aim is to improve the efficiency of research efforts and to create a network of partnerships that will continue after the completion of the dissertations at European level.

Coordinator: K. Spyridonidis, Assoc. Professor, Department of Architecture AUTH.

201 1 – Today

Software development for the formulation of data driven building briefs by calculating the spatial needs of human activity in time. The program is in beta - testing, named *DBP, and functionally tested in schools in the US and Canada*. Cooperation with S. Kokkalis. (<http://transformabledesign.com/dbp-application/>)

## 7. Scientific community activity

### 7.1 Invited lectures and keynote presentations

- 2003 *The movement as a key element of architectural composition* in the course 2TH7 11 Research issues of Ph. Vavilis and B. Tentokali the Department of Architecture AUTH.
- 2004 *Responsive architectural organisms: Kinetic systems and structural morphology for the development of transformable environments* in the Workshop on New Directions Research at the GSD at the Center of Design Informatics [CDI] of Harvard University, Boston USA
- 2005 *Kinesis in Architecture* at the workshop titled *Computer Aided Design and Manufacturing III: CATIA as a Rapid Prototyping and Mass Customization Tool* at the GSD Harvard, Boston USA.
- 2007 *The movement in architecture beyond the screen* to the conference on *Movement and Architecture* that organized by St. Vergopoulos of the Department of Architecture of AUTH.
- 2007 *Contemporary Materials and Fabrication Techniques* in the course *Building Technology III* of N. Papamanolis at the Architecture Department of the University of Crete.
- 2008 *Application of Intelligent materials to improve the energy imprint of buildings*, at the conference *Sustainable Architecture* of the Technical Chamber of Greece.
- 2010 *Flexible and Sustainable: Transformability as a method to address contemporary design issues* at the workshop *EcoRedux\_v02 @ ArchTUC: Design and Fabrication* at TUC.
- 2011 *The envirobubble installation: From design to fabrication* at *EcoRedux\_v03: Design and Fabrication Workshop* in the Architecture Department of the university IE of Madrid, Spain
- 2011 *Sens [e - Res] ponsive Architecture Workshop* as part of the *15th Biennale of Young Artists of Europe and the Mediterranean* at Thessaloniki.
- 2011 *Sensponsive Architecture: concept, creation and evolution* at the *International Sens [e-Res] ponsive Architecture Workshop* at the Technical University of Crete.
- 2012 *Exploring DIY. Materials and techniques to build just about everything* at the *BEST workshop* at the Technical University of Crete.
- 2013 *Transformability - Intelligence - Design: A holistic framework* at the Design and Computation Group, at MIT School of Architecture and Planning, Boston USA.
- 2013 *Transformable architecture: Movement, Adaptation, Flexibility* at the *Alphabet of Architecture* at the Cultural Centre of Chania.
- 2014 *Transformable Intelligent Environments Laboratory: Research Overview* at the *Humans in Space Research Projects and Synergies*, NASA Human Research Program at NASA Johnson Space Center in Houston USA.
- 2014 *Time-Space-Activity* at the School of Architecture Ariel University, Israel.
- 2015 *Educational Pla(y)ces: Formulating the potential spatial imprint of the educational process* at the *Places for Learning Experiences. Think, Make, Change* at Thessaloniki.



- 2015 *Educational Pla (y) ces at Designing with Children. Transforming Spatial Design* at Bristol Architectural Center, UK
- 2015 *Robotic Architecture* at the School of Architecture Ariel University, Israel.
- 2015 *The "dimensions" of the "intelligent" space – from the people to the city*, at the *P\_ Public event: Public Space - Smart Space* at the Mediterranean Architecture Centre in Chania.
- 2015 *Customized Solutions for Schools in Crete: Educational Pla (y) ces*, at *Form Follows Learning* organized by the KT.YP. and the OECD / CELE at Athens.
- 2015 *"The ideas are alive"* at *TEDx Chania* at the Mediterranean Architecture Centre in Chania.

## 7. 2 Participation at committees of scientific journals

- 2010 - present Member of the Scientific Committee in the technical journal *BUILDING* in technology architecture issues, particularly in the field of flexible architecture and innovative materials and construction methods.
- 2013 - present Member of the Scientific Committee of the journal ArchiDOCT. The e-journal for the dissemination of doctoral research in architecture of the European Network of Heads of Schools of Architecture (ENHSA).
- 2015 - today Member of the Scientific Committee of the International Journal *ARCHITEXT* of Ariel University.

## 7. 3 Participation at jury committees of architectural competitions

- 2013 President of the jury in the competition Athens Heart Design Award Annual Competition on the design and construction of a flexible thematic pavilion.
- 2013 Member of the jury committee in the national contest Fighting for Road Safety 2013 on the production of audiovisual material for enhancing safety on the roads.
- 2014 Member of the jury committee in the international competition Fighting for Road Safety 2014 on the production of audiovisual material for enhancing safety on the roads.
- 2014 Member of the jury at the international competition Future ideas 2014.
- 2015 Member of the jury at the international competition Future ideas 2015.

## 7. 4 Participation at conference organizing committees, workshops and lecture series

### 7.4.1 International

- 2005 *Transparency and Tangibility* for the research group Critical Digital of Harvard GSD. Speakers: M. Addington, Associate Professor of Architecture, Harvard GSD, and H. Ishii, Associate Professor of Media Arts and Sciences, MIT Media Lab.

- 2005 *Digital Determinism* for the research group Critical Digital of Harvard GSD. Speakers: K. Terzidis, Associate Professor of Architecture, Harvard GSD, D. Kakoudaki, Assistant Professor of Visual and Environmental Studies and Comparative Literature, Harvard FAS, A. Picon, Professor of the History of Architecture and Technology, GSD Harvard and V. Conley, Visiting Professor of Literature, Harvard University.
- 2005 *Empreinte Digitale. Traces - Voyages* for the research group Critical Digital of Harvard GSD. Speakers: T. Conley, Professor of Literature, Harvard University, J. Canales, Assistant Professor of the History of Science, Harvard FAS, A. Sayegh, Lecturer of Architecture, GSD Harvard and E. Ackerman, Visiting Professor MIT.
- 2005 *Architecture Mobility* at Harvard GSD, with keynote speaker R. Kronenburg, Professor and Chair of the School of Architecture, University of Liverpool.
- 2005 *Architecture-Acoustics-Music* by N.Tsinikas, Professor of Architecture AUTH at Harvard GSD.
- 2011 *Rethinking The Human In Technology-Driven Architecture* organized by the ENHSA, the EAAE and the Architectural Department of the TU Crete at Chania.
- 2013 *CMA | EDU: The 2013 Exhibition* in the Mediterranean Architecture Centre.
- 2015 *Places for Learning Experiences: Think, Make, Change*, organized by the Department of Early Childhood Education Aristotle University and the School of Architecture TU Crete at Thessaloniki.

#### 7.4.2 National

- 2006 *Conference Transparency and Architecture: Limits and Challenges* organized by E. Division of Architecture and the Architecture Department of the Aristotle University in Thessaloniki.
- 2013 *Architecture today: How a modern curriculum of Architecture is formed in Europe today*, with keynote speakers: C. Spyridonidis, Assoc. Professor Department of Architecture AUTH and M. Vogiatzaki, Assoc. Professor Department of Architecture AUTH on the premises of the Faculty of Architecture, Technical University of Crete.
- 2013 *Remodeling the Learning Environment at Kindergartens of Rethymno: Architectural redesign and Pedagogical Utilization* in collaboration with E. Gourgiotou, Lecturer of Pedagogy Department Early Childhood and M. Liapi, Scientific Associate of the School of Architecture TU Crete.
- 2013 *CMA | EDU: The 2013 Exhibition* in CAM guest speaker Aristomenis Varoudakis, Associate Professor of the School of Architecture, Technical University of Crete, on "The Personal Journey of a Architect in the Mediterranean Landscape".
- 2013 *Launch of the architectural library at CAM* with guest speaker Andreas Giakoumakatos, Professor School of Fine Arts, on "Architecture and Audience: Friends or Enemies;"
- 2015 *Crete-Chania 2015: Experiences, Perspectives in Lifelong Learning-Adult-Education Community Empowerment and training of teachers. For Interconnection of local Institutions and Growth of Regional Community*, organized by the Science Education Network Adult Crete (E CVET) and the Technical University of Crete in Chania.

## 7. 5 Participation at scientific committees (international and national)

- 2001-2002 Participation in the working group of the UIA "Architecture of the Future" focused on the investigation of the direction taken by the theory and practice in architecture.
- 2004 Member of the Critical Digital Group of Harvard GSD in organizing activities on the issues of changes brought about in architecture by digital technologies.
- 2011 Member of the Scientific Committee of the International Conference "Rethinking The Human In Technology - Driven Architecture "organized by the ENHSA, the EAAE and the Architecture Department of the TU Crete
- 2012 Member of the Scientific Committee of the International Conference ScalelessSeamless organized by ENHSA at Münster School of Architecture.
- 2012 Member of the Scientific Committee of the International Conference 2012 eCAADe: Digital physicality organized by eCAADe.
- 2012 Member of the Greek group of the UIA
- 2012 Reviewer at the Research Promotion Foundation of Cyprus' Framework Programme for Research, Technological Development and Innovation, Program: "Cultivation of Research and Innovative Culture" Action "Students in research-I study."
- 2013 -2016 Member of the 'Institutional Technical Council' of TU Crete
- 2013 Scientific advisor for the founding and operation of the library at the Center of Mediterranean Architecture
- 2014 Principal jury at the Angewandte Wokshop Athens 2014
- 2014 Permanent member of the Scientific Committee of the International Organization Future Ideas
- 2015 Member of the Scientific Committee of the international organization IEREK
- 2015 Member of the scientific community Faculty Row

## 7. 6 Investments in liaison bodies with society

Member of the Society for Macedonian Studies

Member of the Foundation "Children's Sanctuary"

Member of the Charitable Brotherhood of Men of Thessaloniki

Participation in the European Project "Epilyon" (Scientific Problem Solving).

Participation at the activities of the Association "I Support" and the Park 'Christos Polentas "especially in the organization and evaluation of transnational and trans-European competitions" Striving for Road Safety "in 2013 and 2014

Participation of TIE Lab at the "Science and Technology Day" at TU Crete for primary school children for the years 2013, 2014, 2015.

Participation in the "Open Day" at TU Crete for high-school students (2015)  
Cooperation with the Scientific Network for Adults Education of Crete  
Cooperation with the voluntary association of architectural awareness P - Public  
Cooperation with the association of alternative building methods "Piloiko"  
Member of the Council of Architectural Regional Directorate of Chania  
Support for the event TEDx Chania 2015, creating the necessary stage and infrastructure.

## 8. Professional activity

### 8.1 Architectural works

- 1995 Official member of the Technical Chamber of Greece and registration to Exercise the Architectural Profession
- 1995 Cooperation with the design office Ark Team Design  
Restoration and expansion project of a historic building at Athens.
- 1995-1997 Cooperation with the design office ARKETIPO  
Design and construction of a residential complex of 8 houses at Chalkidiki.
- 1995-1997 Cooperation with the design office of P. Makridis  
Project for the restoration and conversion of a historical building to the Jewish Museum of Thessaloniki at Thessaloniki.
- 1997-1998 Design and supervision of building works at military facilities, during military service, for the Military Directorate of Building Works (DSE 737) at Northern Greece  
Restoration of the Higher School of War and conversion of an existing building into a training center for senior officers.  
Restoration of the building of C Corps and re-use as the new War Museum of Thessaloniki.  
Extension of a wing at the 424 Military General Hospital for a new surgery unit  
Design of tensile membranes as a lightweight canopy at the atrium of the premises of the Higher School of War.
- 1998 Private practice  
Design and construction of the renovation and expansion of the GEFAKO company's facilities at Policni, Thessaloniki.
- 1997-1999 Architectural office with D. Kontaxakis and A. Perpatidis  
House at Panorama Thessaloniki  
Five houses at Ierapetra, Crete.  
Apartment building at Kalamaria Thessaloniki  
Apartment building at Toumba Thessaloniki  
Shopping center at Katerini  
Shopping Centre at Thessaloniki  
Flower Shop at Ano Poli Thessaloniki  
Clothing store in the center of Thessaloniki  
Participation in the design team of G. Kontaxakis, for the Cultural Center at Lemnos.

1999-2002

Partner at the Building Contractor company SALICO, for design-engineering-construction works, with G. Ambatzis and P. Stomachopoulos.

Design and construction of a multi-storey housing building at Sykies

Design and construction of a multi-storey housing building at Thessaloniki

Design and construction of a low-rise housing complex of 28 houses at Nea Moudania at Halkidiki.

Design of a Food factory for the JANNIS company at Neos Panteleimonas Kilkis

Construction of the new City Hall at Assiro Thessaloniki

Design for a multi-storey office building on the west entrance of Thessaloniki.

2002-2005

Private practice

Design and supervision of the construction of a residence at Lagyna in Thessaloniki.

Design of house at Galatista Chalikidikis.

Design of 4 two-storey residences at Trilofos Thessaloniki.

Participation in the design team of the architects C. Trontzos and M. Lazaridou for the architectural design for the restoration and renovation of the tower of OTE in Thessaloniki.

Design for a 2-storey complex with studios at Thessaloniki for the company CEDAR Construction.

Design of two residential complexes in Halkidiki for the company CEDAR Construction.

Participation in the design team of architect N. Tsinikas for the acoustic study of the auditorium in the cultural center of Veria.

Participation in the design team of architects N. Tsinikas and F. Vavili for redesigning 3 wings at the General Hospital "Papageorgiou" of Thessaloniki.

Participation in the design team of architects N. Tsinikas and F. Vavili for redesigning the Respiratory Infections wing at the General Hospital "Papanikolaou"

Participation in the the design team of architects N. Tsinikas and F. Vavili for Thessaloniki's official proposal for the exhibition facilities in the Greek candidacy for EXPO 2008.

2006-2015

Founding of the architectural office 124 | SKG Architects with M. Liapi

Design of three residential houses at Retziki Thessaloniki.

Design for the renovation and expansion of the building facilities (the main building, restaurant building and assembly hall, multipurpose building and gym) of the Site B of the Charitable Foundation "Children's Sanctuary" in Thessaloniki.

Design for the redevelopment of the outdoor areas of Site A of the of the Charitable Foundation "Children's Sanctuary" in Thessaloniki.

Design for the flag store for Nautica companies - Timberland with automated systems, personalized interactive services and sales processes for the company RIDENCO A. E.

Design for the entrance and lobby of the historical building that host the premises of the "Benevolent Fraternity of Men from Thessaloniki" at Thessaloniki.

Preliminary design for an integrated day care nursery station and kindergarten in Asvestochori Thessaloniki.

Design of the sports facilities and fields for Site B of the Charitable Foundation "Children's Sanctuary."

Design of the Eco \_ POP, an inflatable "infrastructure" for creating basic domestic equipment for under-privileged people. It is a redux on the proposal of Ettore Sottsass to MoMA entitled Italy: The New Domestic Landscape (1972). The design project is part of the program Eco-Redux. Design Remedies for a Dying Planet L. Kallipoliti and Am. Shao at Princeton University.

Consultant on specific technical issues to the proposal of the design team of E. Zarifi, S. Koukopoulos, E. Balashis, P. Xanthou, A. Proiou, and X. Tokmakidou to the competition of the Municipality of Neapolis, Thessaloniki at 2012 "Regeneration-Emergence of the Balkan Square"

Design of the expansion of the building facilities of the TU Crete Architectural Engineering premises, on the site of the former French School.

Project manager Aristomenis Varoudakis, with, K.-A. Oungrinis, D. Tsakalakis, S. Giannoudi, and students of architecture P. Athanailidi, N. Assimakis, M. Anastassakis, G. Andresakis, S. Avgerinos, A. Valanidou, G. Velivasakis, S. Vlachiotis, E. Geromitsou, G. Gorantonaki, L. Eptaminitaki, K. Karadima, M. Kantarzi, A. Kapsalis, Ch. Kourtoumi, N. Constantinou, D. Linaraki, Z. Magarakis, V. Maistralis, L. Bobas, A. Nerantzouli, M. Nikolakaki, G. Relias, M. Stephanou, A. Terezaki, A. Tomara, A. Tralo, Z. Frizis and Th. Chairis.

Design project for the Berquet school complex in Alexandria, Egypt. The school consists of all compulsory education levels (Kindergarten, Elementary, Middle and High School) for 1100 students. The design was based under the "semi-open" framework for designing schools, which we have developed in response to learning issues and the specific issues of local culture and legal framework.

Design of new buildings (Classrooms, atrium and large assembly interior area, and closed gymnasium) of the Site B of the Charitable Foundation "Children's Sanctuary" in Thessaloniki. This project is the first pilot implementation of the pre - occupancy evaluation through virtual reality applications.

## 8.2 Curating Architectural Exhibitions

- 2009 *F2F - File to Factory: The Design and Fabrication of Innovative Forms in a Continuum*. Exhibition of the works and projects produced during the two F2F Workshops in Lyon and Barcelona.  
CMA (Center of Mediterranean Architecture), Chania, Greece.  
03-07.09.2009. Cooperation with M. Vogiatzaki and M. Liapi.
- 2010 *F2F - File to Factory Continuum: Digital Design and Construction. From the fabrication lab to the manufacturing processes*. Exhibition of student work within the two-year European educational program F2F. Macedonian Museum of Contemporary Art, Thessaloniki, Greece. 17-25.05.2010. Cooperation with M. Vogiatzaki and M. Liapi.
- 2013 *Exhibition within the proceedings of the 9<sup>th</sup> International Conference on Intelligent Environments* where selected works of the Laboratory of Transformable Intelligent Environments were presented. Divani Palace Akropolis Hotel, Athens, Greece. 16-19 / 07/2013. Cooperation with D. Papalexopoulos and A. Camea.
- 2013 *CMA International architecture exhibition | EDU: The 2013 Exhibition. Celebrating Design Talent in Mediterranean Schools of Architecture*. The exhibition involved 101 students with 82 diploma design projects from 32 Architectural Schools at 12 Mediterranean countries. Center for Mediterranean Architecture, Chania, Greece. 05.09.2013 - 06.10.2013. Cooperation with M. Liapi and E. Gkologkina.

## 8.3 Participation in international architectural competitions

- 2002 *International Competition: Ephemeral Structures in the City of Athens. Athens and the UIA Cultural Olympiad 2001-2004*. Participation with the project *ACROPOLIS*. Working with K. Kavvathas, N. Kyriakopoulos and S. Skylakakis.
- 2008 *European Competition Europe 40 under 40*. Participation with the project *Dream of B*. Collaboration with M. Liapi. **Distinction with the Award Europe 40 under 40 Architecture Award for 2008.**
- 2009 *International Competition IDA: International Design Awards 2009*. Participation with the project *Eco\_ POP*. Cooperation with M. Liapi.
- 2010 *International Competition Acabion Architecture Competition Lab Berlin*. Participation with the project *Sensponsive Suit*. Cooperation with M. Liapis D. Linaraki and G. Voradaki.
- 2010 *International Design Competition: Design for all. Future technology and daily living*. Participation with the project *Sensponsive Clothing*. Cooperation with M. Liapis D. Linaraki and G. Voradaki.
- 2011 *International Competition Metro Station 20*. Participation with the project *M Station*. Working with M. Liapi, E. Gkologkina, G. Voradaki, A. Tralo and G. Velivassakis.



- 2014 *Mayor's Challenge 2014 Ideas Competition*. Participation with the proposal *An APPLE for Children of the Municipality of Chania*. Cooperation with the Municipality of Chania.
- 2014 *European Award for Creativity and Innovation*. Participation with the project *The Airport Project*. Cooperation with I. Paterakis. **Distinction with the 2nd prize.**
- 2014 *2014 Interieur Awards: Objects in our living environment | 24th Biennale Interieur*. Participation with the project *Many Happy re-Turns*. Cooperation with M. Liapi and E. Gkologkina.
- 2014 *International Architectural Design Competition: MOSF Preview Museum*. Participation with the project *Museum of Science Fiction in Washington, DC*. Cooperation with M. Liapi, M. Telo, S. Ntzoufras, O. Altouva and I. Paterakis.
- 2015 *IDA: International Design Awards 2014*. Participation in the project *Many Happy re-Turns*. Cooperation with M. Liapi and E. Gkologkina. **Distinction with the Silver Winner Award.**

## 8. 4 Participation in Architectural Exhibitions with selected projects

- 1990 *35 years of Architecture AUTH*. Participation with the student work *Composition of Residential Housing Complex*. HELEXPO- International Exhibition of Thessaloniki. Organization Department of Architecture AUTH.
- 2003 *International Competition: Ephemeral Structures in the City of Athens. Athens and the UIA Cultural Olympiad 2001-2004*. Participation with the project *ACROPOLIS*. Byzantine and Christian Museum, Athens, Greece | 31.01.2003-28.02.2003. Organization: UIA and Athens Cultural Olympiad 2001-2004
- 2003 *Athens-scape: The 2004 Olympics and the Metabolism of the City*. Participation with the project *ACROPOLIS* RIBA Gallery, London, UK | 22.04-24.05.2003. Organization: Hellenic Ministry of Culture
- 2007 *index\_arch [gr]*. Participation with the project *Transformable Architecture in School Environments*. Elefsina, Greece | 22.07-15.08.2007. Organization: EASA 007 cityindex
- 2010 -2011 *Panorama of Greek Architecture 2007-2011*. Participation with the project *Enhancing of the Building Facilities of Site B of the Charitable Foundation "Children's Sanctuary"*.  
 [1] Metropolitan Expo, Athens International Airport "Eleftherios Venizelos", Greece | 05-08.03.2010. Organizers: Magazine DOMES  
 [2] Macedonian Museum of Contemporary Art, Thessaloniki, Greece | 20-30.05. 2010 Organizers: Magazine DOMES, Department of Architecture AUTH, MMCA  
 [3] Centre of Mediterranean Architecture (CMA), Chania, Greece | 02-15.10.2010 Organized Magazine DOMES, CMA

- [4] Basilica of St. Mark, Heraklion, Greece | 01-13.11.2011. Organized Magazine DOMES, Architects Association of Heraklion
- 2008 *International Events Architecture Research 2008: Un-built*. Participation with the project *Eco\_Pop*. Byzantine and Christian Museum, Athens, Greece | 11-31.12.2008. Organization: L. Kallipolitis, Al. Imperiale, Am. Shao and SARCHA / Architectural Pipes
- 2009 *Eco Redux. Design Remedies for a Dying Planet*. Participation with the project *Eco\_Pop*. Columbia University, New York, NY, USA | 12-30.10.2009. Organization: L. Kallipoliti and Am. Shao and L.Xynogala
- 2009 *Exhibit\_A: Animated Space*. Participation with the project *Nau\_ti*. EKEP Metamorphosis, Athens, Greece | 20-23.11.2009. Organization: Carteco and Monored
- 2011 *EcoRedux 02: Design manuals for a dying planet*. Participation with the projects (1) *Eco\_Pop* and (2) *Envirobubble*. Dessiny Hub of Barcelona, Spain | 10.03 - 05.22.2011. Organization: Av. Kallipoliti and An. Pla Català
- 2011 *Metro Station 20*. Participation with the project *The M Park*. Perform Business Centre, Sofia, Bulgaria | 20-28.12.2011. Organized Sofia Capital Municipality and Edno Magazine.
- 2011 *Design Lab 2011*. Participation with the project *Prototypical Nursery and Kindergarten of Integrated Care in the Municipality of Chortiatis*. Technopolis-Gazi, Athens, Greece | 06-08.05. 2011. Organized by: A & M Consultants
- 2013 *Exhibition 5th Triennial of Architecture in Crete*. Participation with the project *Expansion of the building facilities of the TU Crete Architectural Engineering premises, on the site of the former French School of Chania*. CMA, Chania, Greece | 10.03- 04.10.2013. Organized by KAM, Association of Architects
- 2013 *Greek Innovation Expo 2013*. Participation meters with project *Airpotition*. Helexpo Palace, Athens | 16-19.05.2013. Organized Shape EXPO Management and Innovation Portal.
- 2013 *9th International Conference on Intelligent Environments | Exhibition*  
Participation with the projects (1) *Spirit | Ghost v03* (2) *Sensponsive spacecraft modules* (3) *Memorigami* (4) *Playful Interaction to Public Spaces*. Hotel Divani Palace Acropolis, Athens | 16-19.07.2013. Organization: TUC TIE Lab and the 9th International Conference on Intelligent Environments.
- 2014 *Green Educational Pla(y)ces*. Participation with the project *Many Happy re - Turns*. Gate of the Sand, Chania | 21 / 03-05 / 04/2013. KEPEDICH-KAM Organization
- 2014 *TUC: From research to practice*. Participation with the projects (1) *Many Happy re-Turns* and (2) *Hybrid Environmental Projection Platform*. Center for Mediterranean Architecture, Chania, Greece | 12.12.2014. Organization Insuleur Session
- 2015 *Grekland Panorama: The 2nd Exhibition for Greece & Cyprus. Tourism, Gastronomy, Culture*. Participation with the project *Many Happy re-Turns*. Ericsson Globe, Stockholm, Sweden | 13-15 / 02/2015. Organised by North Events.

2015 *Public Space | Smart Space*. Participation with the project "Emerging identities" in the image of the city - Featuring multiple picture images in the old town of Chania. Gate Sabionara, Chania, Greece | 06.06.2015. Organized P - Public.

## 8. 5 References to the press of selected projects

- 2008 "Distinction of Greek architects at European competition." *Newsletter* of the Technical Chamber of Greece, Issue 2487, 12.05.2008, 83.
- 2008 "International distinctions for Greek architects: Europe 40 under 40". *Magazine Architects*, Issue 69 05-06.2008 27-28.
- 2008 'Children's Sanctuary': European award to the design project for the expansion of the complex in Pylea", the Ph. Koutsampari (interview). *Journal Macedonia*, 12.06.2008, 12.
- 2008 "Two Greeks in the new generation of forefront European architects." *Magazine TECHNOGRAFIMA*, Issue 355, 15.06.2008, Thessaloniki: Publications TCG / DCM, 8.
- 2008 "From Aristotle to 40 of Europe", the Forum. Doulgeridis (interview). *Magazine Postman*, 6.28.2008, 50-53.
- 2008 "Architectural Awards". *Magazine Panorama*, Issue 33 06.2008, 34.
- 2008 "Europe 's 40 under 40." *Magazine Greek Domes*, 129, Issue August, p. 72.
- 2008 "Designing the classrooms of the future", D. Antipa (interview). *Journal Sunday Eleftherotypia, insert "7"*, 07.09.2008, 21.
- 2008 "Distinction for Greek Architects at the European competition *Europe 40 under 40*." *Technical Magazine Building* , 09.2008, 28.
- 2008 "Interview with K.-A. Oungrinis and M. Liapis," L. Gouta. *Magazine TECHNOGRAFIMA*, Issue 361, 15.10.2008, Thessaloniki: Publications TCG / DCM, 20-21.
- 2008 "Europe 40 unders 40." Electronic magazine *greekarchitects. gr*, 19.05.2008 (<http://www.greekarchitects.gr/gr/competitions/europe-40-under-40-id-1563>)
- 2010 "Design and Fabrication EcoRedux\_v02 Summer Workshop". *The News of TU Crete* 27, 07-12.2010, 15.
- 2011 "Design and fabrication workshop at the University of Madrid." *The News of TU Crete* 28, 01-06.2011,20.
- 2011 "Sens [e-Re] sponsive Architecture Workshop". *The News of TUC* 29, 07.12.2011.
- 2013 "A proposal for an alternative playground." *Journal Haniotika News*. 02.26.2013.
- 2013 "Chania: a city of innovation." *Journal Haniotika News*, 4/12/2013, 32.
- 2013 "Robots, hydrogen cars, and power from air conditioners!" *Eleftherotypia*, 12/4/2013.
- 2013 "Eco-Airconditioning made in Greece." *Journal of Real News* 28/07/2013, 8.
- 2013 "Students of Mediterranean Schools of Architecture at Chania." *Journal Haniotika News*, 7/9/2013, 31.

- 2014 "The children draw and explore space" *Journal Haniotika News*. 03/05/2014.
- 2014 "Games from recyclable materials," *Journal Haniotika New*. 03.19.2014.
- 2014 "Memorigami: Un prototipo di sistema frangisole adattabile", KlimaHaus | CasaClima, 03/2014, 14-15.
- 2014 "Journey into space," *Journal Haniotika New*. 04.11.2014.
- 2014 "Architectural 'diamonds' at the city of Chania," *Journal Haniotika New*. 08.26.2014.
- 2014 "Light in hidden areas of the old city," *Journal Haniotika New*. 02.09.2014.
- 2015 "The Hanging Gardens of cities," Katerina Rovva. *Journal Ethnos*. 06/27/2015

## 9. Other activities

Assistant director and Stage design expert for the amateur theater association "Continuity" of graduates Arsakeio School of Thessaloniki in the performances "Excerpts from Moliere" and "Midsummer Night's Dream" (1996-1997).

Set Designer (design and construction of the stage) for the theatrical production of Harvard College titled "Something funny happened on the passing to the forum" (2005).

Amateur novelist science fiction. Trilogy (1): The evil plan of the butterfly (2): The rise of the infernal beetle, and (3): The excess of the twins.

Amateur photographer with extensive knowledge in printing black and white photos in a darkroom

Holder of a diploma offshore sailing.

Holder of a diploma scuba diving (scuba).

Organizer of Role Playing Games.