



**2<sup>nd</sup> Annual International Conference on Engineering Education & Teaching, 5-8 June 2017, Athens, Greece**

**Organized by the Athens Institute for Education and Research**

**Sponsored by the Athens Journal of Technology & Engineering**

**Conference Venue: Titania Hotel, 52 Panepistimiou Avenue, Athens, Greece (close to Omonoia metro station)**

**Monday 5 June 2017**

**08:00-09:00 Registration and Refreshments**

**09:00-09:30 (Room D-10<sup>th</sup> Floor) Welcome and Opening Address**

Gregory T. Papanikos, President, ATINER.

**09:30-11:00 Session I (Room E-10<sup>th</sup> Floor): Policy**

**Chair:** Virginia Sisiopiku, Associate Professor, The University of Alabama at Birmingham, USA.

1. Gurvan Branellec, Associate Professor, Brest Business School, France. Why Maritime Actors have Tried to Standardize Contracts and Support Arbitration Jurisdictions. How such Practices Contribute to a soft Uniformity of the Law?
2. Mi Sun Park, Assistant Professor, Konkuk University, South Korea & Hyowon Lee, Professor, Seoul National University, South Korea. Policy and Law for Urban Green Space Management in South and North Korea.
3. Belinda Robson, Senior Policy Advisor, Yarra City Council, Australia. Re-imagining Density in an Inner City Suburb of Melbourne: From ‘Dangerously Overcrowded’ to ‘Urban Consolidation’.

**09:30-11:00 Session II (Room F-10<sup>th</sup> Floor): Engineering Education: Practice and Experience**

**Chair:** Vassilis Skianis, Research Fellow, ATINER.

1. James Collofello, Vice Dean, Fulton Engineering Schools, Arizona State University, USA. Experiential and Peer Mentoring Experiences and their Impact on Persistence.
2. Santiago Pindado, Professor, Universidad Politecnica de Madrid, Spain, Elena Roibás-Millán, Javier Cubas Cano, Andrés García, Angel Pedro Sanz Andres, Sebastián Franchini, María Isabel Pérez Grande, Gustavo Alonso, Javier Pérez-Álvarez, Felix Sorribes-Palmer, Antonio Fernández-López, Mikel Ogueta-Guitierrez, Ignacio Torralbo, Juan Zamorano, Juan Antonio de la Puente, Alejandro Alonso & Jorge Garrido, Universidad Politécnica de Madrid, Spain. The UPMSat-2satellite: An Academic Project within the Aerospace Engineering Education.
3. Arianit Kurti, Associate Professor, Linnaeus University, Sweden & Fisnik Dalipi, Linnaeus University, Sweden. Bridging the Gap between Academia and Industry: Lessons Learned from a Graduate IT Professional Development Program.
4. Timo Vaskikari, Responsible of Customership and Quality, Turku University of Applied Sciences (TUAS), Finland. Experiences in Learning Engineering Skills in co-Operation with Companies.

**11:00-12:30 Session III (Room F-10<sup>th</sup> Floor): Engineering Teaching****Chair:** Arianit Kurti, Associate Professor, Linnaeus University, Sweden

1. Deb Newberry, Director, Dakota County Technical College and Principal Investigator, Nano-Link, USA. Integrating Nanotechnology Concepts into Traditional Engineering Programs.
2. Roy Issa, Associate Professor, West Texas A&M University, USA. Teaching Sustainability in Mechanical Engineering Curriculum.
3. Farshid Zabihian, Assistant Professor, California State University, Sacramento, USA. Hands-on Approach to Introduce Fuel Cells to Engineering Undergraduate Education.
4. Ana Maria Reyes Parra, PhD Student, Universidad Nacional de Colombia, Colombia, Fredy Andres Olarte Dussan, Associate Professor, Universidad Nacional de Colombia, Colombia & Mario Julián Cañón Ayala, Teacher, Universidad Nacional de Colombia, Colombia. Towards a Flipped Classroom in a Signal and Systems Engineering Course.

**12:30-14:00 Session IV (Room E-10<sup>th</sup> Floor): Transportation Operations****Chair:** Deb Newberry, Director, Dakota County Technical College and Principal Investigator, Nano-Link, USA.

1. Essam Radwan, Professor and CATSS Director, University of Central Florida, USA. Pedestrian Safety at Mid-Block Crossings Based on Driving Simulation Experiment.
2. Man Yuan, PostDoc, Huazhong University of Science and Technology, China & Yaping Huang, Dean, Huazhong University of Science and Technology, China. Evaluating the Impacts of Compact Growth on Traffic Emissions and Exposure to Air Pollution in High-Dense Areas with a Land Use-Transport-Emission Integrated Model, a Case Study of Xiamen, China.

**14:00-15:00 Lunch****15:00-16:30 Session V (Room E-10<sup>th</sup> Floor): Enabling Technologies****Chair:** Jun Mitarai, Professor, Kyoto University, Japan.

1. Vadivel Jagasivamani, Research Assistant Professor, Hampton University, USA. Interpreting Corrosion Activities in Reinforced Concrete Structures of Highway Bridges, Using Acoustic Emission Techniques.
2. Rahmad Sadli, PhD Student, University of Valenciennes, France, Yassin El Hillali, Associate Professor, University of Valenciennes, France, Laila Sakkila, Researcher, University of Valenciennes, France, Atika Rivenq, Professor, University of Valenciennes, France & Charles Tatkeu, Professor, Institut Français des Sciences et Technologies des Transports, France. The 4<sup>th</sup> Order Statistics on Ultra Wideband Short-Range Radar (UWB-SRR) for Cyclist Detection.

**16:30-18:00 Session VI (Room E-10<sup>th</sup> Floor): Methodology****Chair:** Matthew Zenkeler, PhD Candidate, University of Queensland, Australia.

1. Jun Mitarai, Professor, Kyoto University, Japan & Naphasinee Suebsuk, Teaching Assistant, Kyoto University, Japan. Analysis of a Nationwide Area-Based Management Survey in Japan.
2. Emilia Malcata Rebelo, Assistant Professor, University of Porto, Portugal. Contemporary Urban Development in the Global Area: A Methodological Assessment.
3. Elif Kirpik, Research Assistant, Yildiz Technical University, Turkey & Buket Aysegul Ozbakir, Associate Professor, Yildiz Technical University, Turkey. Development of a Public Participatory GIS Platform for Urban Transformation Projects: A Case Study in Kadikoy Historical Center.

**18:00-19:30 Session VII (Room E-10<sup>th</sup> Floor): A Roundtable Discussion on Teaching Urban Planning and Architecture in a Global World****Chair:** Nicholas N. Patricios, Professor & Dean Emeritus, School of Architecture, University of Miami, USA.

1. **Lina Martínez**, Professor, Universidad Icesi Cali, Colombia. Happy City.
2. **Takashi Nakamura**, Associate Professor, Tokyo City University, Japan. Teaching Urban Planning in Japan.
3. **Alan Frishman**, Professor of Economics, Hobart and Wm. Smith Colleges, USA. Teaching an Urban Economics/Urban Studies Class in the U.S.
4. **Anissa Benaiche**, Researcher Associate, Nantes University, France. General Overview of Urban Planners Training In France.
5. **Giulia Pellegrini**, Associate Professor, University of Genoa, Italy. Urban Planning Response-bilities: City, Landscape and Resilience.

For details on the discussion please [click here](#).**21:00-23:00 The Pragmatic Symposium of the Conference as Organized in Ancient Athens with Dialogues, Food, Wine, Music and Dancing but fine tuned to Synchronous Ethics**

## Tuesday 6 June 2017

### 07:30-10:30 Session VIII: An Educational Urban Walk in Modern and Ancient Athens

**Chair:** Gregory Katsas, Vice President of Academic Affairs, ATINER & Associate Professor, The American College of Greece-Deree College, Greece.

Group Discussion on Ancient and Modern Athens.

### 11:00-12:30 Session IX (Room F-10<sup>th</sup> Floor): Engineering Study Programs

**Chair:** Farshid Zabihian, Assistant Professor, California State University, Sacramento, USA.

1. Barry Hojjatie, Professor and Engineering Coordinator, Valdosta State University, USA. Enhancing Student Enrolment, Retention, and Satisfaction in Freshman Engineering.
2. Sanjay Sisodiya, Associate Professor, University of Idaho, USA, Kathy O'Malley, Professor, University of Idaho, USA & Steven Shook, Professor, University of Idaho, USA. Business Topics in New Product Development for Engineering Senior Design.
3. Ari Perez-Mejia, Assistant Professor, Quinnipiac University, USA. I knew you were Trouble: Designing a Cross-Course Assignment between Engineering and Strategic Communication.
4. Felicitas Raedel, Post-Doc, Technische Universität Darmstadt, Germany & Joerg Lange, Professor, Technische Universität Darmstadt, Germany. The Inverted Classroom Model in a Master's Degree Program for Civil Engineers.

### 12:30-14:00 Session X (Room E-10<sup>th</sup> Floor): Innovations in Transportation

**Chair:** Sherif Ishak, Lloyd J. Guillory Professor, Louisiana State University, USA.

1. David Fernandez-Llorca, Associate Professor, University of Alcala, Spain & Mario Jimenez-Garcia, Research Assistant, University of Alcala, Spain. CNN-based Vehicle Logo Classification for Vehicle Manufacturer Recognition.

### 12:30-14:00 Session XI (Room F-10<sup>th</sup> Floor): International Engineering Education

**Chair:** Barry Hojjatie, Professor and Engineering Coordinator, Valdosta State University, USA.

1. Klaus Holschemacher, Professor, Leipzig University of Applied Sciences, Germany. What is the Best Design Code in Structural Engineering Education.
2. Roberto Nardi, Professor, Universidade Estadual Paulista "Júlio de Mesquita Filho", Brazil, Telma Cristina Dias Fernandes, Graduate Student, Universidade Estadual Paulista "Júlio de Mesquita Filho", Brazil & Nicoletta Lanciano, Professor, Università di Roma "La Sapienza", Italy. Education in Astronomy: An Experience of the Adaptation and Application for the Southern Hemisphere, of Educational Material Designed Originally for Northern Hemisphere.
3. Yuichi Okuyama, Associate Professor, The University of Aizu, Japan. Intuitive Education for Logic Circuit Design.
4. Ulrike Quapp, Faculty Manager, HTWK Leipzig University of Applied Sciences, Germany. Conducting an Orchestra or how Faculty Management may Influence Engineering Education.

14:00-15:00 Lunch

**15:00-16:30 Session XII (Room E-10<sup>th</sup> Floor): Special Issues**

**Chair:** Roman Klementschnitz, Senior Scientist, University of Natural Resources and Life Sciences (BOKU), Austria.

1. Sherif Ishak, Lloyd J. Guillory Professor, Louisiana State University, USA, Maggie Ye, Graduate Student, Louisiana State University, USA & Osama Osman, Research Associate, Louisiana State University, USA. Developing a Crash Risk Index and Detecting Driver's Engagement in Secondary Tasks from Driving Behavior Attributes and Socioeconomic Characteristics: A Naturalistic Driving Study.
2. Ozan Hovardaoglu, Associate Professor and Vice Dean, Faculty of Architecture, Erciyes University, Turkey & Seda Calisir-Hovardaoglu, Associate Professor, Erciyes University, Turkey. Changing Structure and Functions of Urban-Rural Fringes in a Process of Urban Stability in Turkey.
3. Jiri Kugl, PhD Student, Czech Technical University in Prague, Czech Republic. Analysis of Tools for Revitalization and Rehabilitation of Brownfields.
4. Ayca Ozceylan, Lecturer, Gaziantep University, Turkey & Eren Ozceylan, Assistant Professor, Gaziantep University, Turkey. A View of Industrial Engineering Profession in Turkey: An Application of Web-Based Survey.

**21:00- 22:30 Dinner**

**Wednesday 7 June 2017**

**Educational Island Tour: (Details during registration)**

**or**

**Mycenae and Epidaurus Visit: (Details during registration)**

**Thursday 8 June 2017**

**Delphi Visit: (Details during registration)**