



**Athens Institute for Education and Research**  
*A World Association of Academics & Researchers*



**4<sup>th</sup> Annual International Conference on Transportation, 4-7 June 2018, Athens, Greece**  
**Organized by the Transportation Engineering Unit**  
**Sponsored by the Athens Journal of Technology & Engineering**

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

**Monday 4 June 2018**

**08:00-08:45 Registration and Refreshments**

**08:45-09:30 (Room A - Mezzanine Floor): Welcome and Opening Address**

**Gregory T. Papanikos, President, ATINER.**

**Nicholas Pappas, Vice President of Academic Membership, ATINER & Professor of History, Sam Houston University, USA.**

**09:30-11:00 Session I (Room D - 10<sup>th</sup> Floor): Transportation Modelling**

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

1. Nagui Roupail, Professor, North Carolina State University, USA & Alan Karr, Director, Research Triangle International (RTI), USA. Microscale Detection and Characterization of Lane Changes using High Resolution Driving Data.
2. Shaopeng Zhong, Deputy Laboratory Director of Traffic Engineering, Dalian University of Technology, China. Optimal Road Congestion Pricing for Both Traffic Efficiency and Safety under Demand Uncertainty.
3. Sang Hyup Lee, Research Fellow, Korea Institute of Civil Engineering and Building Technology, South Korea. The Korean Traffic Count System and The Role of KICT in National Traffic Data Collection.

**11:00-12:30 Session II (Room D - 10<sup>th</sup> Floor): Traffic Law & Safety**

**Chair:** Nagui Roupail, Professor, North Carolina State University, USA.

1. Kyungwoo Kang, Professor, Hanyang University, South Korea. Relationship between Cost Efficiency of Bus Transit System and Accidents, Using a Stochastic Cost Frontier Model.
2. Nikol Jilkova, PhD Student, Masaryk University, Czech Republic & Jan Scheuer, PhD Student, Masaryk University, Czech Republic. Current Issues of Czech Road Traffic Law in the Context of Jurisprudence and Road Safety.

<b>12:30-14:00 Session III (Room D - 10<sup>th</sup> Floor): Transportation Operations and Management</b>	<b>12:30-14:00 Session IV (Room E - 10<sup>th</sup> Floor): Learning Strategies I</b>
<b>Chair:</b> Olga Gkounta, Researcher, ATINER.	<b>Chair:</b> Eddie Smigiel, Associate Professor, INSA Strasbourg, France.
<ol style="list-style-type: none"> <li>1. <u>Mecit Cetin</u>, Associate Professor, Old Dominion University, USA &amp; Lianyu Chu, CLR Analytics, USA. Anonymous Truck Re-identification Algorithms for Estimating Freight Flows between Data Collection Stations.</li> <li>2. Zeynep Dundar, Research Assistant, Dokuz Eylül University, Turkey. Effects of Konak Tunnel in Izmir on Lived Space.</li> <li>3. <u>Sewodo Augustin Degbe</u>, PhD Student, Shanghai Maritime University, China &amp; Bingliang Song, Professor, Shanghai Maritime University, China. Dry Port Development: A Pivot Strategy to Enhance Sustainable Transit Traffic via West African Corridors.</li> <li>4. Sabrina Howard, PhD Candidate, University of Southern California, USA. Window Seat: Examining Public Space, Identity, and the Politics of Everyday Life through Public Transportation.</li> </ol>	<ol style="list-style-type: none"> <li>1. <u>Patrick Balve</u>, Professor, Heilbronn University of Applied Sciences, Germany &amp; <u>Lena Ebert</u>, Research Assistant, Heilbronn University of Applied Sciences, Germany. Competence Development in Engineering Education – Smoothing the Transition into Corporate Practice through Problem-based Learning.2</li> <li>2. <u>Sanjay Sisodiya</u>, Associate Professor, University of Idaho, USA, Kathy O’Malley, Professor, University of Idaho, USA &amp; Steven Shook, Professor, University of Idaho, USA. Pricing of New Products: Going Beyond Cost-Based and Competition-Based Pricing to Consider Value in Engineering Capstone Courses.</li> <li>3. <u>Javier Cubas</u>, Assistant Professor, Polytechnic University of Madrid, Spain, Elena Roibas-Millan, Professor, Polytechnic University of Madrid, Spain, Santiago Pindado, Professor, Polytechnic University of Madrid, Spain, Félix Sorribes-Palmer, Professor, Polytechnic University of Madrid, Spain, Gustavo Alonso, Professor, Polytechnic University of Madrid, Spain, Ángel Sanz-Andrés, Professor, Polytechnic University of Madrid, Spain &amp; Javier Pérez-Álvarez, Professor, Polytechnic University of Madrid, Spain. Concurrent Engineering Approach for Space Mission Design within the Master in Space Systems (MUSE) at <i>Universidad Politécnica de Madrid</i> (UPM).</li> </ol>

**14:00-15:00 Lunch**

<b>15:00-16:30 Session V (Room C - 10<sup>th</sup> Floor): Urban Components &amp; Infrastructure</b>
<b>Chair:</b> Peter Yannopoulos, Vice President of Global Communications, ATINER, Co-editor, Athens Journal of Business and Economics & Professor, Brock University, Canada.
<ol style="list-style-type: none"> <li>1. Carolyn Aguilar-Dubose, Professor, Universidad Iberoamericana, Mexico. The Urban Park: Nature and Democracy as Component of a Planning Strategy.</li> <li>2. Ratna Ghosh, Assistant Professor, Amity University, India &amp; Uttam Kumar Roy, Assistant Professor, IIT Roorkee, India. Evolving Strategies for Housing Development at a Sub-Regional Level.</li> <li>3. Dominic Hofmann, Research Assistant and PhD Student, Frankfurt University of Applied Sciences, Germany. Infrastructure – Design - Emotions.</li> <li>4. Pruethipong Xinghatiraj, Civil Engineer, Ministry of Transports, Thailand. The Formulation of Peak Runoff Rate Equation for Road Networks on Frequently Flooded Areas in Central Thailand.</li> <li>5. Chin-Wei Chen, Graduate Student, National Science and Technology Center for Disaster Reduction, Taiwan and The University of Manchester, UK. How to Assess Footbridges by Walkability? A Case Study in Taiwan.</li> </ol>

**17:30-19:30 Session VI ATINER's 2018 Series of Academic Dialogues: A Symposium Discussion on Recent International Research in Urban Studies and Planning**

Venue: Harokopio University (New Building-Ceremony Hall), Eleftheriou Venizelou 70, Kallithea.

**Chair:** Virginia Sisiopiku, Head, Transportation Engineering Unit, ATINER, & Associate Professor, The University of Alabama at Birmingham, USA.

1. Ali Cheshmehzangi, Head of Department of Architecture and Built Environment, Director of CSET (Center for Sustainable Energy Technologies), Director of UIL (Urban Innovation Lab), & Associate Professor of Architecture and Urban Design, Department of Architecture and Built Environment, The University of Nottingham Ningbo China, China. Smart Cities vs. Urbanism.
2. Carolyn Aguilar-Dubose, Professor, University Iberoamericana, Mexico. From Universe to Pluriverse in Sustainability.
3. Antonio Zumelzu, Associate Professor, Austral University of Chile, Chile. Sustainability in the Global South: The Role of Urban Morphology.
4. Giulia Pellegrini, Associate Professor, Architecture-Polytechnic School, University of Genoa, Italy. De-Sign Research: Interactions and Results in the International Contributions of the 2018 Design Day in Genoa. Department of Architecture and Design University of Genoa.
5. Ratna Ghosh, Assistant Professor, Amity University Noida, India. City of Chandigarh.
6. Raed Al Tal, Assistant Professor, German Jordanian University, Jordan. Cities of Continuous Urban Instability - Amman as a Case Study.

**21:00-23:00 Greek Night and Dinner**

**07:45-11:00 Session VII: An Educational Urban Walk in Modern and Ancient Athens**

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

Group Discussion on Ancient and Modern Athens.

Visit to the Most Important Historical and Cultural Monuments of the City (be prepared to walk and talk as in the ancient peripatetic school of Aristotle)

**11:15-13:00 Session VIII (Room C - 10<sup>th</sup> Floor): Urban Structuring, Environment & Special Issues**

**Chair:** Kamran Mirza, Assistant Professor, University of the Punjab, Pakistan.

1. Lucia Martincigh, Professor, University of Roma Tre, Italy, Anna Vincenzoni, Councilor, Town Municipality of Rome, Italy, Marina Di Guida, Postdoctoral Research Fellow, University of Roma Tre, Italy & Giovanni Perrucci, Postdoctoral Research Fellow, University of Roma Tre, Italy. Tools for a Better Liveability in Neighbourhoods: The “Environmental Island” Design Methodology and the Citizen Engagement Process.
2. Lukasz Damurski, Assistant Professor, Wroclaw University of Science and Technology, Poland, Jacek Pluta, Assistant Professor, University of Wroclaw, Poland, Jerzy Ladysz, Assistant Professor, Wroclaw University of Science and Technology, Poland, Wawrzyniec Zipser, Assistant Professor, Wroclaw University of Science and Technology, Poland & Magdalena Mayer-Wydra, PhD Candidate, University of Wroclaw, Poland. Potential for Conversion of Offline Services into Online ones in Urban and Suburban Neighbourhoods. Examples of Wrocław and Siechnice in Poland.
3. Andrea Ferraz Young, Researcher, CEMADEN Brazilian National Center of Monitoring and Early Warning of Natural Disasters, Ministry of Science, Technology, Innovation and Communication, Brazil. Adaptation Actions for Integrated Climate Risk Management into Urban Planning: An Integrated Approach in São Paulo Metropolitan Area (Brazil).
4. Cristiana-Maria Pioarca-Ciocanea, Senior Researcher, University of Bucharest, Center for Environmental Research and Impact Studies, Romania. Monitoring Wildlife in Romania – Empirical Evaluation of Argos Location Errors in Romania.
5. Ratan Kar, Scientist, Birbal Sahni Institute of Palaeosciences, India & Ruchika Bajpai, Research Scholar, Birbal Sahni Institute of Palaeosciences, India. Climatic and Vegetational Changes during the Last 11,500 Years from Glacial Sites in Lahaul Valley, Western Himalaya, India.

**11:15-13:00 Session IX (Room D - 10<sup>th</sup> Floor): Learning Strategies II**

**Chair:** Javier Cubas, Assistant Professor, Polytechnic University of Madrid, Spain.

1. Mike Mavromihales, Senior Lecturer and Course Leader, University of Huddersfield, UK & Violeta Holmes, Subject Area Leader, University of Huddersfield, UK. A Multi-Pronged Approach to Blended Learning; Focussing on Fundamentals of Mechanical Engineering Undergraduate Education.
2. Rosalie Van Baest, Lecturer, Fontys Hogescholen Eindhoven, The Netherlands. Stimulating Conscious Development (BOS Model). Mechanism for Movement in Engineering Education.
3. Manuel Niever, Doctoral Researcher, Institute of Product Engineering (IPEK) at Karlsruhe Institute of Technology (KIT), Germany, Thilo Richter, Scientific Assistant, Institute of Product Engineering (IPEK) at Karlsruhe Institute of Technology (KIT), Germany, Katharina Duehr, Scientific Assistant, Institute of Product Engineering (IPEK) at Karlsruhe Institute of Technology (KIT), Germany, Miriam Wilmsen, Doctoral Researcher, Karlsruhe Institute of Technology (KIT), Germany, Laura Lanz, Student, University of Applied Sciences Karlsruhe (HsKA), Germany, Benjamin Walter, Scientific Assistant, Institute of Product Engineering (IPEK) at Karlsruhe Institute of Technology (KIT), Germany, Albert Albers, Head of Institute of Product Engineering, Karlsruhe Institute of Technology (KIT), Germany & Carsten Hahn, Professor, University of Applied Sciences Karlsruhe (HsKA), Germany. KaLeP: A Holistic Case-Based Action Learning Environment to Educate Successful Future Engineers.

6. Mark John Burke, Researcher, Cambridge University, UK. Home Ownership Participation – A Cross Sectional Analysis of Major Cities.

**13:00-14:00 Lunch**

**14:00-15:30 Session X (Room D - 10<sup>th</sup> Floor): Policy**

**Chair:** Sang Hyup Lee, Research Fellow, Korea Institute of Civil Engineering and Building Technology, South Korea.

1. Jonathan Maliwat, Faculty, WCC Aeronautical and Technological College - North Manila, Philippines. Past, Present and Future of ASEAN Transport Cooperation.
2. Ana Gundic, Research Assistant, University of Zadar, Croatia, Dalibor Ivanišević, M.Eng., University of Zadar, Croatia & Damir Zec, Professor, University of Zadar, Croatia. Generic Competencies for Masters and First Deck Officers.
3. Srdan Vujicic, PhD Student, University of Dubrovnik, Croatia, Nermin Hasanspahic, PhD Student, University of Dubrovnik, Croatia & Darijo Miskovic, PhD Student, University of Dubrovnik, Croatia. Importance of Leadership Qualities on Board Ships with Emphasis on Crisis Situation.

**20:00- 21:30 Dinner**

**Wednesday 6 June 2018**  
**Mycenae and Island of Poros Visit**  
**Educational Island Tour**

**Thursday 7 June 2018**  
**Delphi Visit**

**Friday 8 June 2018**  
**Ancient Corinth and Cape Sounion**

All ATINER's conferences are small events which serve the mission of the association (<https://www.atiner.gr/mission>) under the guidance of its Academic Committee (<https://www.atiner.gr/academic-committee>) which sets the policies (<http://www.atiner.gr/acceptance>). In addition, each conference has its own academic committee. Members of the committee include all those who have evaluated the abstract-paper submissions and have chaired the sessions of the conference. The members of the academic committee of 4<sup>th</sup> Annual International Conference on Transportation, 4-7 June 2018, Athens, Greece, were the following:

1. Gregory T. Papanikos, President, ATINER.
2. Nicholas Pappas, Vice President of Academic Membership, ATINER & Professor of History, Sam Houston University, USA.
3. Nicholas N. Patricios, Vice President of Strategic Planning & Analysis, ATINER and Professor & Dean Emeritus, School of Architecture, University of Miami, USA.
4. Virginia Sisiopiku, Head, Transportation Engineering Unit, ATINER, & Associate Professor, The University of Alabama at Birmingham, USA.
5. Peter Yannopoulos, Vice President of Global Communications, ATINER, Co-editor, Athens Journal of Business and Economics & Professor, Brock University, Canada.
6. Nagui Roupail, Professor, North Carolina State University, USA.
7. Essam Radwan, Professor and CATSS Director, University of Central Florida, USA.
8. Sherif Ishak, Professor, University of Alabama in Huntsville, USA.

9. Nikiforos Stamatiadis, Professor, University of Kentucky, USA.
10. Natasa Tomic-Petrovic, Academic Member, ATINER & Associate Professor, University of Belgrade, Serbia.
11. Mike Mavromihales, Senior Lecturer and Course Leader, University of Huddersfield, UK.
12. Eddie Smigiel, Associate Professor, INSA Strasbourg, France.
13. Javier Cubas, Assistant Professor, Polytechnic University of Madrid, Spain.
14. Sang Hyup Lee, Research Fellow, Korea Institute of Civil Engineering and Building Technology, South Korea.
15. Olga Gkounta, Researcher, ATINER.

The Organizing Committee of the conference was:

1. Fani Balaska, Research Assistant, ATINER.
2. Hannah Howard, Research Assistant, ATINER.
3. Eirini Lentzou, Administrative Assistant, ATINER.
4. Konstantinos Manolidis, Administrator, ATINER.
5. Vassilis Skianis, Research Associate, ATINER.
6. Kostas Spyropoulos, Administrator, ATINER.