



5th Annual International Conference on Transportation, 3-6 June 2019, Athens, Greece

Organized by the [Transportation Engineering Unit](#) of ATINER

Sponsored by the [Athens Journal of Technology & Engineering](#)

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

Monday 3 June 2019

07:50-08:40 Registration and Refreshments

08:50-09:20 (Room B - 10th Floor): [Welcome and Opening Address](#) by Gregory T. Papanikos, President, ATINER and David Philip Wick, Director, Arts, Humanities & Education Division, ATINER & Professor of History, Gordon College, USA.

09:30-11:00 Session I (Room A - 10th Floor): Project-based Learning

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

1. [Sergey Dubikovsky](#), Associate Professor, Purdue University, USA, Katherine Minarik, Graduate Student, Purdue University, USA & Peng Hao Wang, Assistant Professor, Purdue University, USA. A Correlation between Operational Status of Equipment and Technical Proficiencies of Aeronautical Engineering Technology Students: A Case Study.
2. Gene Hou, Professor, Old Dominion University, USA. Cross-Departmental Collaboration for a Project Based Senior Class: Intelligent Machines.
3. [Kian Jon Ernest Chua](#), Associate Professor, National University of Singapore, Singapore & Md Raisul Islam, Senior Lecturer, National University of Singapore, Singapore. Studying the Effectiveness of Combining Flipped Classroom to an Engineering Project Based Learning Module.
4. [Jing Liang](#), Professor, China University of Mining and Technology, China & Rongli Jiang, Dean, Department of Applied Chemistry, China University of Mining and Technology, China. Developing Students' Critical Thinking, Problem Solving, and Analysis Skills in a Problem-based Organic Synthesis Course.

This session is jointly offered with the Education Unit.

11:00-12:30 Session II (Room B - 10th Floor): Urban Planning Processes and Transportation

Chair: Richard Jelier, Professor and Director, School of Public, Nonprofit and Health Administration, Grand Valley State University, USA.

1. Bun Song Lee, Associate Professor, University of Arkansas - Fort Smith, USA. Characteristics of Cities Encouraging Bus Commuting, Subway Commuting, and Active Commuting (Biking and Walking to Workplaces) in the United States.
2. [Rebecca Heckmann](#), Deputy Project Manager, University of Applied Sciences Stuttgart, Germany & [Alexandra Mittelstaedt](#), Researcher, University of Applied Sciences Stuttgart, Germany. Development of an Emission Calculation Tool for Sustainable Route Planning.
3. Yue Sun, Graduate Student, Southeast University, China. Urban Park Accessibility Evaluation Based on Gravity Model and Realistic Traffic Data: An Example of Baoding.
4. Xiao Zhang, Graduate Student, Southeast University, China. Ecological Resilience Assessment and Optimization Suggestions of Yangtze Middle Reaches Megalopolis.

12:30-14:00 Session III (Room A - 10th Floor): Emerging Technologies

Chair: Srdjan Vujicic, Professor, University of Dubrovnik, Croatia.

1. Grzegorz Sierpinski, Associate Professor, Silesian University of Technology, Poland & Marcin Staniek, Assistant Professor, Silesian University of Technology, Poland. Intelligent Solutions Supporting the Development of Electromobility.
2. Marcin Staniek, Assistant Professor, Silesian University of Technology, Poland & Grzegorz Sierpinski, Associate Professor, Silesian University of Technology, Poland. The Potential and Limitations of Transport System as Factors Affecting the Development of Electromobility.
3. Simon Cohen, Senior Researcher, IFSTTAR, France & Zoi Christoforou, Associate Researcher / Associate Professor, IFSTTAR / Ecole des Ponts ParisTech, France. Travel Time Estimation by Bluetooth and FCD Technologies: A Comparison Study on Motorway.
4. Sheikh Shahriar Ahmed, Graduate Research Assistant, University at Buffalo, The State University of New York, USA, Grigorios Fountas, Lecturer, Edinburgh Napier University, UK, Ugur Eker, Researcher, University at Buffalo, The State University of New York, USA, Stephen E. Still, Professor, University at Buffalo, The State University of New York, USA & Panagiotis Ch. Anastasopoulos, Associate Professor, University at Buffalo, The State University of New York, USA. An Empirical Exploratory Analysis of Potential Residence Relocation Trends from the Future Introduction of Flying Cars.

14:00-15:00 Lunch

15:00-16:30 Session IV (Room A - 10th Floor): Experiential Learning

Chair: George S. Tsagaris, Associate Professor, Cleveland State University, USA.

1. Geok Chin Ivy Tan, Associate Professor, Nanyang Technological University, Singapore. Student-Teachers' Conception and Perception of the Use of the Inquiry-Based Approach in Geography Fieldwork in Singapore.
2. YM Tang, Teaching Fellow, The Hong Kong Polytechnic University, Hong Kong, To Sum Ho, Assistant Professor, The Hong Kong Polytechnic University, Hong Kong & Chun Ho Wu, Assistant Professor, The Hong Kong Polytechnic University, Hong Kong. Engineering Education with Mixed Reality (MR).
3. Jose Miguel Alvarez Romero, PhD Student, Instituto Universitario de Microgravedad "Ignacio Da Riva" (IDR/UPM), Spain, Elena Roibas-Millan, Professor, Instituto Universitario de Microgravedad "Ignacio Da Riva" (IDR/UPM), Spain, Santiago Pindado, Professor, Instituto Universitario de Microgravedad "Ignacio Da Riva" (IDR/UPM), Spain, Javier Pérez-Álvarez, Professor, Instituto Universitario de Microgravedad "Ignacio Da Riva" (IDR/UPM), Spain & Ángel Sanz-Andrés, Professor, Instituto Universitario de Microgravedad "Ignacio Da Riva" (IDR/UPM), Spain. UPMSAT-2 Communications System Design, Integration and Testing, within MUSE (Master in Space Systems) Academic Plan.

This session is jointly offered with the Education Unit.

16:30-18:00 Session V (Room A - 10th Floor): Traffic Operations and Safety

Chair: Jose Miguel Alvarez Romero, PhD Student, Instituto Universitario de Microgravedad "Ignacio Da Riva" (IDR/UPM), Spain.

1. Grigorios Fountas, Lecturer, Edinburgh Napier University, UK, Sarvani Sonduru Pantangi, Graduate Research Assistant, University at Buffalo, The State University of New York, USA, Kevin Hulme, Researcher, University at Buffalo, The State University of New York, USA & Panagiotis Ch. Anastasopoulos, Associate Professor, University at Buffalo, The State University of New York, USA. The Effect of Driver's Cognitive States on Observed and Perceived Aggressive Driving Behavior: A Correlated Grouped Random Parameters Approach.
2. Sarvani Sonduru Pantangi, Graduate Research Assistant, University at Buffalo, The State University of New York, USA, Ugur Eker, Graduate Research Assistant, University at Buffalo, The State University of New York, USA, Sheikh Shahriar Ahmed, Graduate Research Assistant, University at Buffalo, The State University of New York, USA, Grigorios Fountas, Lecturer, Edinburgh Napier University, UK, Stephen E. Still, Professor, University at Buffalo, The State University of New York, USA & Panagiotis Ch. Anastasopoulos, Associate Professor, University at Buffalo, The State University of New York, USA. Public Perceptions on Safety Benefits and Security Concerns from the Future Use of Autonomous and Connected Vehicles.

3. Matheus Zamboni Zaffalon, Student, Federal University of Triângulo Mineiro, Brazil & Viviane Adriano Falcao, Professor, Federal University of Triângulo Mineiro, Brazil. Predicting Passenger Volume of the Regional Airport Mario de Almeida Franco to City-Pairs.

21:00-23:00 Greek Night and Dinner

Tuesday 4 June 2019

08:00-11:00 Session VI: An Educational Urban Walk in Modern and Ancient Athens

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 VII (Room B - 10th Floor): Urban Planning Methodologies and Processes, Transportation & Policy

Chair: Marijana Pantic, Research Fellow, Institute of Architecture and Urban and Spatial Planning of Serbia, Serbia.

1. Riste Temjanovski, Professor, Goce Delčev University of Štip, Republic of North Macedonia & Monika Arsova, PhD Student, Goce Delčev University of Štip, Republic of North Macedonia. Transport Policy and Create a Western Balkans Market: How to Mirror the EU's Experience.
2. Martina Sedlakova, Assistant Professor, Czech Technical University in Prague, Czech Republic. Public Space and Artefacts: Several Alterations of Historical Squares in the Czech Republic.
3. Tanapon Panthasen, Assistant Professor, Kasetsart University, Thailand & Supaporn Kaewko Leopairojna, Assistant Professor, Kasetsart University, Thailand. Using the Smart Growth Principles for Real Estate Development around Rapid Transit Stations to Achieve Sustainability.
4. Claudio Meninno, Contract Professor and Postdoctoral Researcher, University of Trieste, Italy. Architecture and Infrastructure: Strategies, Methods and Techniques of Integrated Design for Cross-Border Territorial Development in Europe.
5. Ilaria Geddes, Postdoctoral Researcher, University of Cyprus, Cyprus. Understanding the Mechanisms and Impact of Growth on the Urban Form and Functioning of Cities.

13:00-14:30 Session VIII (Room A - 10th Floor): Special Topics /Teaching Strategies

Chair: Melanie Basantis, Director, Engineering Outreach/Professor, Rowan University, USA.

1. Srdjan Vujicic, Professor, University of Dubrovnik, Croatia, Nermin Hasanspahic, PhD Student, University of Dubrovnik, Croatia, Ana Gundic, Professor, University of Zadar, Croatia & Niko Hrdalo, PhD Student, University of Dubrovnik, Croatia. Assessment for Adequately Qualified Instructors in Maritime Education and Training Institutions.
2. Krystle Ontong, Lecturer, Stellenbosch University, South Africa. Exploring Place and Space as 'Fluid Centres' for Preparing Geography Student Teachers in Becoming Curriculum-Makers.
3. Arthur Firipis, PhD Student, Deakin University, Australia, Siva Chandrasekaran, Lecturer, Swinburne University of Technology, Australia & Matthew Joordens, Lecturer, Deakin University, Australia. Nurturing Creativity through Differentiation while using 1:1 Mobile Devices for Learning?

This session is jointly offered with the Education Unit.

14:30-15:30 Lunch

15:30-16:00 Session IX (Room A - 10th Floor): Maritime Transport

Chair: Grigorios Fountas, Lecturer, Edinburgh Napier University, UK.

1. Dani Sabalja, Assistant Professor, University of Rijeka, Croatia. Contribution to the Advancement of Cruises in the Eastern Mediterranean.

20:00- 21:30 Dinner

Wednesday 5 June 2019
Mycenae and Island of Poros Visit
Educational Island Tour

Thursday 6 June 2019
Delphi Visit

Friday 7 June 2019
Ancient Corinth and Cape Sounion

All ATINER's conferences are organized by the [Academic Council](#). This conference has been organized with the assistance of the following academics, who contributed by a) setting up the program b) chairing the conference sessions, and/or c) reviewing the submitted abstracts and papers:

1. Gregory T. Papanikos, President, ATINER & Honorary Professor, University of Stirling, UK.
2. Virginia Sisiopiku, Head, Transportation Engineering Unit, ATINER, & Associate Professor, The University of Alabama at Birmingham, USA.
3. Nicholas N. Patricios, Vice President of Strategic Planning & Analysis, ATINER and Professor & Dean Emeritus, School of Architecture, University of Miami, USA.
4. Srdjan Vujicic, Professor, University of Dubrovnik, Croatia.
5. Melanie Basantis, Director, Engineering Outreach/Professor, Rowan University, USA.
6. Grigorios Fountas, Lecturer, Edinburgh Napier University, UK.
7. George S. Tsagaris, Associate Professor, Cleveland State University, USA.
8. Richard Jelier, Professor and Director, School of Public, Nonprofit and Health Administration, Grand Valley State University, USA.
9. Jose Miguel Alvarez Romero, PhD Student, Instituto Universitario de Microgravedad "Ignacio Da Riva" (IDR/UPM), Spain.
10. Marijana Pantic, Research Fellow, Institute of Architecture and Urban and Spatial Planning of Serbia, Serbia.