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

### Monday 19 June 2017

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

#### 09:00-09:30 (Room D-10th Floor): Welcome and Opening Address

Gregory T. Papanikos, President, ATINER.

#### 09:30-11:00 Session I (Room E-10th Floor): Manufacturing and Materials I

**Chair:** Zbigniew Pasek, Professor, University of Windsor, Canada.

1. **Peter Boehm**, Professor, University of Applied Sciences Trier, Germany & Jannis Marion, University of Applied Sciences Trier, Germany. New Experiences in Welding Magnesium Alloys.
3. **Josef Meyer**, PhD Student, Hochschule Hannover, Germany, **Bin Cui**, PhD Student, Hochschule Hannover, Germany, **Ulrich Luedersen**, Professor, Hochschule Hannover, Germany & **Martin Gottschlich**, Professor, Hochschule Hannover, Germany. Experimental Heat Transfer Analysis of a Rotary Swing Chamber Expander.
11:00-12:30 Session II (Room E-10th Floor): Manufacturing and Materials II
Chair: Peter Boehm, Professor, University of Applied Sciences Trier, Germany.

1. Hector Estrada, Professor, University of the Pacific, USA, Jonathan Trovillion, U.S. Army Engineer Research and Development Center, USA, Ashok Kumar, U.S. Army Engineer Research and Development Center, USA, Larry D. Stephenson, U.S. Army Engineer Research and Development Center, USA & William Lewis, U.S. Army Engineer Research and Development Center, USA. Experimental Results of Accelerated Long-Term Durability Performance of FRP Composite Materials.
2. Amel Bourguiba, PhD Student, University of Cergy Pontoise, France. Effect of a Thinner (Methyl Octanoate) on Mechanical Strengths and Fracture Behavior of Epoxy Resin Mortars.
4. Emanuel Filipe Santos Amaral, Research Student, IFAL - Instituto Federal de Alagoas, Brazil, Jose Diogo Barbosa de Almeida, Research Student, IFAL - Instituto Federal de Alagoas, Brazil & Dr. Justino Marques Sheyla Karolina, Advisor Professor, Federal Institute of Alagoas - IFAL, Brazil. Study of Viability of Using Rice Husk Ash in Manufacturing of Hollow Block.

12:30-14:00 Session III (Room E-10th Floor): Supply Chain and Inventory Management
Chair: Hannah Howard, Research Assistant, ATINER.

1. Hubertus Franke, Professor, Ostfalia University of Applied Sciences, Germany & Katharina Lanko, BSc, MA, Ostfalia University of Applied Sciences, Germany. The Supply Chain Value Stream Model.
2. Zbigniew Pasek, Professor, University of Windsor, Canada & Ashwath Sridharan, Graduate Student, University of Windsor, Canada. Inventory Management in Mass Customized Printing Production Environment.
3. Chengli Liu, PhD Candidate, The Hong Kong Polytechnic University, Hong Kong & Carman Lee, Assistant Professor, The Hong Kong Polytechnic University, Hong Kong. Pricing Strategy in Dual-Channel Supply Chain with Lose-Averse Consumers.
4. Isotilia Costa Melo, MSc Student, University of São Paulo, Brazil, Athanasios Rentizelas, Lecturer, University of Strathclyde, UK, Paulo Nocera Alves Júnior, PhD Student, University of São Paulo, Brazil, Jéssica Suárez Campoli, MSc Student, University of São Paulo, Brazil & Daisy Aparecida do Nascimento Rebelatto, Professor, University of São Paulo, Brazil. Assessment of Biomass Supply Chain: An DEA Application.

14:00-15:00 Lunch
### 15:00-17:00 Session IV (Room D-10th Floor): Design and Optimization

Chair: Elhem Ghorbel, Professor, University of Cergy Pontoise, France.

1. **Shian Gao**, Lecturer, University of Leicester, UK & **Ahmed Qasim Ahmed**, PhD Research Student, University of Leicester, UK. Large Eddy Simulation of Air Flow and Temperature Distributions in an Office Room Served by a Displacement Ventilation System.
2. **Erdem Baltaci**, Industrial Engineer, Turkey, **Sevgi Ozlem Bulu**, Industrial Engineer, Turkey & **Sila Isyar**, Industrial Engineer, Turkey. Production Facility Layout Design for a Project Based Company.
3. **Haider Iqbal Hanif**, PhD Student, Hochschule Hannover, Germany, **Dennis Saul**, Research Assistant, Hochschule Hannover, Germany, **Henrik Rüscher**, Research Assistant / PhD Student, Hochschule Hannover, Germany, **Lars-Oliver Gusig**, Professor, Hochschule Hannover, Germany & **Christian Bohn**, Professor, Clausthal University of Technology, Germany. Module Design Methodology for the Conceptionalization of a Portable Unit for Providing Heat, Cold and Electricity in BEVs and Buildings.
4. **Sahar Elaiwi**, PhD Student, Plymouth University, UK. Analysis and Design of Castellated Beams.

### 15:00-17:00 Session V (Room E-10th Floor): Foresight

Chair: Isotilia Costa Melo, MSc Student, University of São Paulo, Brazil.

1. **Abhijit Deshmukh**, James J. Solberg Head and Professor, School of Industrial Engineering, Purdue University, USA. ReThinking IE – Innovations at the Frontiers of Industrial Engineering.
3. **Jin-Wei Wang**, PhD Student, Beijing Institute of Technology, China & **Yi-Ming Wei**, Professor, Beijing Institute of Technology, China. Developing Foresight Intelligence for Energy Technology: Qualitative Comparative Analysis Method.

### 17:00-19:00 Session VI (Room D-10th Floor): A Symposium on the Future Developments and Prospects of Engineering and Science Education & Research in a Global World

Chair: Lampros A. Pyrgiotis, President, Greek Society of Regional Scientists, Greece.

1. **Abhijit Deshmukh**, James J. Solberg Head and Professor, School of Industrial Engineering, Purdue University, USA. Convergence of Knowledge.
2. **Anthony Koutoulis**, Professor & Head of School of Biological Sciences, University of Tasmania, Australia. The Future Developments and Prospects of Biology Education and Research in a Global World – a Tasmanian and Australian context.
3. **LuAnn Carpenter**, Director, Student Program Assessment and Administration, Industrial and Systems Engineering, Auburn University, USA. Issues and Trends in Engineering Education at Auburn University, Alabama, United States of America.
4. **David H. Sanders**, UNR Foundation Professor, Past-Chair UNR Faculty Senate, Department of Civil and Environmental Engineering, University of Nevada, Reno, USA. Is the Future for Higher Education bright in the United States?
5. **Ravi Mukkamala**, Professor, Old Dominion University, USA. The Future of Computer Science.

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 (Details during registration)
**Tuesday 20 June 2017**

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>07:30-10:30</td>
<td><strong>Session VII: An Educational Urban Walk in Modern and Ancient Athens</strong></td>
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<td>Chair: Gregory Katsas, Vice President of Academic Affairs, ATINER &amp; Associate Professor, The American College of Greece-Deree College, Greece.</td>
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<td>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)</td>
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<td>11:00-12:30</td>
<td><strong>Session VIII (Room E-10th Floor): Big Data in Professional Practice: Challenges, Solutions and Future Prospects</strong></td>
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<td>Chair: Sabrina Herbst, Scientific Assistant / PhD Student, Ernst-Abbe-Hochschule Jena, Germany.</td>
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<td>1. Ravi Mukkamala, Professor, Old Dominion University, USA &amp; Aftab Ahmad, CUNY John Jay College of Criminal Justice, USA. Privacy Provisioning in the Internet of Things.</td>
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<td>12:30-14:00</td>
<td><strong>Session IX (Room E-10th Floor): Human Factors and Safety</strong></td>
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<td>Chair: Dillon Chrimes, Technical Integration Coordinator, Vancouver Island Health Authority, Canada.</td>
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<tr>
<td></td>
<td>1. Dejan Lacmanovic, Professor, University of Novi Sad, Serbia, Miodrag Ivkovic, University of Novi Sad, Serbia, Izabela Lacmanovic, University of Novi Sad, Serbia, Dusanka Milanov, University of Novi Sad, Serbia &amp; Branko Markoski, University of Novi Sad, Serbia. Computer System for Using Internet and e-Banking Services by Persons with Hand and Body Disabilities.</td>
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<td>2. LuAnn Carpenter, Director, Student Program Assessment and Administration, Auburn University, USA, Jerry Davis, Associate Professor, Auburn University, USA, Sean Gallagher, Associate Professor, Auburn University, USA &amp; Mark Schall, Assistant Professor, Auburn University, USA. An Interactive Model of Personal Protective Equipment (PPE) Donning and Doffing Times.</td>
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<td>3. Yousif Abulhassan, Assistant Professor, Murray State University, USA, Rong Huangfu, PhD Student, Auburn University, USA, Connor Lusk, MSc Student, Auburn University, USA, Leslie Gunter, PhD Student, Auburn University, USA &amp; Jerry Davis, Professor, Auburn University, USA. Does Wearing a Smoke Hood Impede one’s Ability to see Stairs while Descending?</td>
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<td>14:00-15:00</td>
<td>Lunch</td>
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<td>15:00-16:30</td>
<td><strong>Session X (Room E-10th Floor): Special Topics</strong></td>
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<td>Chair: LuAnn Carpenter, Director, Student Program Assessment and Administration, Auburn University, USA.</td>
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<td>1. Barry Hojjatie, Professor and Engineering Coordinator, Valdosta State University, USA. Undergraduate Research Projects Designed to Improve Student Retention in Engineering.</td>
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<td>2. Sara McComb, Professor, Purdue University, USA &amp; Ralitza Vozdolska, Data Scientist, Teradata, USA. Reexamining the Relationship between Teamwork and Performance: The Influence of Shared Mental Models.</td>
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<td>3. Magdalena Wrobel-Kwiatkowska, Assistant Professor, Wroclaw University of Environmental and Life Sciences, Poland. Genetic Modification of Flax Plants and their Application.</td>
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<td>21:00-22:30</td>
<td>Dinner (Details during registration)</td>
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Wednesday 21 June 2017
Educational Island Tour or Mycenae and Epidaurus Visit

Thursday 22 June 2017
Delphi Visit

All ATINER’s conferences are organized by the Academic Committee (https://www.atiner.gr/academic-committee). This conference has been organized with the assistance of the following academics, who contributed by chairing the conference sessions and/or by reviewing the submitted abstracts and papers:

1. Gregory T. Papanikos, President, ATINER.
2. Dr. Theodore Trafalis, Director, Engineering & Architecture Research Division, ATINER, Professor of Industrial & Systems Engineering and Director, Optimization & Intelligent Systems Laboratory, The University of Oklahoma, USA.
3. Zbigniew Pasek, Professor, University of Windsor, Canada.
4. Peter Boehm, Professor, University of Applied Sciences Trier, Germany.
5. LuAnn Carpenter, Director, Student Program Assessment and Administration, Auburn University, USA.
6. Elhem Ghorbel, Professor, University of Cergy Pontoise, France.
7. Dillon Chrimes, Technical Integration Coordinator, Vancouver Island Health Authority, Canada.
8. Lampros A. Pyrgiotis, President, Greek Society of Regional Scientists, Greece.
9. Sabrina Herbst, Scientific Assistant / PhD Student, Ernst-Abbe-Hochschule Jena, Germany.
10. Isotilia Costa Melo, MSc Student, University of São Paulo, Brazil.
11. Vassilis Skianis, Research Fellow, ATINER.
12. Olga Gkounta, Researcher, ATINER.
13. Hannah Howard, Research Assistant, ATINER.