

# Athens Institute for Education and Research

## Annual Academic Meetings of the [Engineering & Architecture Division](#) 7<sup>th</sup> Annual International Conference on Industrial, Systems and Design Engineering 24-27 June 2019, Athens, Greece

### *Provisional List of Papers Accepted and Registered to be Presented (Listed by Presenter's Surname) and Other Attendees*

Note: This list includes only those who have registered for the conference (i.e. those who have paid the registration fee). It does not include those who have received an acceptance letter but who have not yet sent in their registration form. Please also note that all ATINER's events (conferences, symposiums, public lectures, etc) are organized to serve ATINER's [mission](#) and [policy](#). The list will be updated weekly. This current version was produced on 18 June 2019.

#### **Papers to be presented:**

1. \*[Akmal Abdelfatah](#), Professor, American University of Sharjah, UAE & Osama El-Sahly, Graduate Student, American University of Sharjah, UAE. Influence of Autonomous Vehicles on Freeway Traffic Performance for Undersaturated Traffic Conditions.
2. \*[Fereydoun Aghazadeh](#), Professor, Louisiana State University, USA & Milad Amini, Louisiana State University, USA. Effect of Weight, Frequency, and Duration of the Lift on the Rest Period. (*Monday*)
3. [Wail Al-Rifaie](#), Visiting Professor, Philadelphia University Jordan, Jordan & Naaem M. Hantoosh, Research Scholar, Tikrit University, Iraq. New Composite Floor Construction.
4. [Fawzi Bouras](#), PhD Student, University of Orleans - LafargeHolcim, France, Nouffou Tapsoba, LafargeHolcim, France, Mylène Martin, LafargeHolcim, France, Serge Sabio, LafargeHolcim, France, Alain Jacquet, LafargeHolcim, France, Kevin Beck, University of Orleans, France, Naima Belayachi, University of Orleans, France, Marwen Bouasker, University of Orleans, France & Muzahim Al-Mukhtar, University of Orleans, France. Effect of Hydrated Lime and Cement on the Engineering Behavior of Highly Expansive Clay.
5. [Glen Bright](#), Professor, University of KwaZulu-Natal, South Africa, Ganiyat Soliu, PhD Student, University of KwaZulu-Natal, South Africa & Chiemela Onunka, Mangosuthu University of Technology, South Africa. Performance Optimization on Waiting time using Queuing Theory in an Advanced Manufacturing Environment: Robotics to Enhance Productivity.
6. \*[Mikhail Bunevich](#), PhD Student, Belarusian State University Informatics and Radioelectronics, Belarus. Systems and Algorithms for Protecting Information in Radio Frequency Channels of Information Devices.
7. \*[Audu Ezekiel Chinyio](#), Senior Lecturer, University of Wolverhampton, UK. Beating Bias: Facing Gender Equality in Built Environment Sector through the Support of Technology.
8. [Eunsoo Choi](#), Professor, Hongik University, South Korea, Yunkyu Ha, Graduate Student, Hongik University, South Korea, Duhyeon Kim, Graduate Student, Hongik University, South Korea, Tae Yeong Kim, Graduate Student, Hongik University, South Korea, Seong Jun Park, Graduate Student, Hongik University, South Korea & Yeon-seong Lee, Undergraduate Student, Hongik University, South Korea. SMA Confinement of HDPE Pipes: Enhancement of the Joint Fracture Resistance.
9. \*[Sanaul Chowdhury](#), Senior Lecturer, Griffith University, Australia & \*[Yew-Chaye Loo](#), Professor Emeritus, Griffith University, Australia. The New Australian Concrete Structures Standard AS 3600: 2018 – Aspects of Its Complexity and Effectiveness.

10. Christopher Eamon, Associate Professor, Wayne State University, USA & Alex Andrew, Graduate Student, Wayne State University, USA. Long-term Cost Comparison of Competing Types of Highway Bridge Construction.
11. \*Hector Estrada, Professor, University of the Pacific, USA. Performance Based Design (PBD): A Renovating Seismic Design in Building Codes.
12. Marian Goellner, Research Fellow, PhD Student, Ostfalia University of Applied Sciences, Germany. Fusion Structure for Environment Perception and Model-Predictive Navigation of Autonomous Vehicles.
13. Guojian He, Associate Professor, Tsinghua University, China, Hongwei Fang, Professor, Tsinghua University, China, Xu Han, PhD Student, Tsinghua University, China & Lei Huang, Assistant Research Fellow, Tsinghua University, China. The Impacts Analysis of Plant Shape and Spatial Distribution on the Flow Properties.
14. Lei Huang, Assistant Research Fellow, Tsinghua University, China & Hongwei Fang, Professor, Tsinghua University, China. Characteristics of Bacterial Community in the Surface Sediment of Three Gorges Reservoir.
15. Onur Kuzgunkaya, Associate Professor, Concordia University, Canada, Navneet Vidyarthi, Associate Professor, Concordia University, Canada & Masoud Amel Monirian, PhD Student, Concordia University, Canada. Mixed-Integer Second-Order Cone Programming: An Application in the Design of Preventive Healthcare Facility Network. *(Tuesday)*
16. Kuo-Liang Lin, Professor and Department Head, I-Shou University, Taiwan. A Vision-Based Method for Determining Degradation Level of a Road Marking.
17. Norma Jean Mattei, Professor, University of New Orleans, USA. Barriers to Sustainable and Resilient Inland Waterway Infrastructure in the United States. (CIVINF)
18. Anna Mazzi, Assistant Professor, University of Padova, Italy & Beatrice Gatto, Master Student, University of Padova, Italy. Circular Economy Concept in Sustainable Building Design.
19. \*Andreea Mihailescu, Research Scientist / Development Engineer, Lasers Department, National Institute for Lasers, Plasma and Radiation Physics / Politehnica University of Bucharest, Romania. Machine Learning for Intelligent Wireless Sensors Networks, Wearables and Autonomous Unmanned Systems.
20. \*Fouad Mohammad, Senior Lecturer, Nottingham Trent University, UK & Michael Wright, Principal Structural Engineer, Arc Partnership, UK. Optimum Design of Cold-Formed Steel Mono-Pitch Portal Frames According to BS 5950.
21. John Sansalone, Professor, University of Florida, USA. Permeable Pavement as Green and Low Impact Development Urban Infrastructure. *(Tuesday)*
22. Kyung-Jae Shin, Professor, Kyungpook National University, South Korea. Nonlinear Analysis of Reinforced Concrete Frames Using OpenSees.
23. Zhuoya Wu, PhD Student, The University of Hong Kong (HKU), Hong Kong. High Strength Concrete Tests under Elevated Temperature.
24. \*Timothy Young, Professor, University of Tennessee, USA. Quantifying Interactions in Manufacturing using Regression Tree Models – A Useful Inductive Step for Planning a Designed Experiment.
25. Tsutomu Yoshida, Professor, Takushoku University, Japan. Measurement of Time-Varying Stress by Natural Frequency of Impact Sound.
26. Nader Zamani, Professor, University of Windsor, Canada. Two Case Studies Involving Connection Properties for FEA in Catia v5.

### **Attendees:**

1. Hongwei Fang, Professor, Tsinghua University, China.
2. Yoongho Jung, Professor, Pusan National University, South Korea.
3. Xiaobo Liu-Henke, Professor, Ostfalia University of Applied Sciences, Germany.