



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



14th Annual International Conference on Information Technology & Computer Science, 21-24 May 2018, Athens, Greece
Conference Venue: Titania Hotel, 52 Panepistimiou Avenue, Athens, Greece (close to metro station *Panepistimio*)

Monday 21 May 2018

08:00-09:00 Registration and Refreshments

09:00-09:45 Welcome and Opening Address (Room E - Mezzanine Floor)

Gregory T. Papanikos, President, ATINER.

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

09:45-11:30 Session I (Room E - Mezzanine Floor): Computer Science and Information Systems Education*

Chair: Panagiotis Petratos, Vice-President of Information Communications Technology, ATINER & Fellow, Institution of Engineering and Technology & Professor, Department of Computer Information Systems, California State University, Stanislaus, USA.

1. Qing Li, Professor, Towson University, USA. Teacher Game Building: A Focus on Computational Thinking and Pedagogy.
2. Regina Heidrich, Professor and Researcher, Feevale University, Brazil. Virtual Reality Technology in the Teaching of History.
3. Bailey Braaten, PhD Graduate Student, The Ohio State University, USA, Robert MacConnell, Mathematics Teacher, South-Western City Schools, USA & Arnulfo Perez, Assistant Professor, The Ohio State University, USA. Computational Thinking, Computer Science, and Mathematics: Mathematics Students Engage in Programming.

**This session is jointly offered with the Education Unit*

11:30-13:00 Session II (Room E - Mezzanine Floor): Internet & Social Media

Chair: Sotirios Skevoulis, Professor & Chair of Software Engineering, Pace University, USA.

1. Susie Townsend, Professor, Northern Arizona University, USA. Strategies for Online Learning Success.
2. Christopher Weagle, Instructor, American University of Sharjah, UAE. Social Media Usage between Faculty and Students and Its Implications on Policy Design.
3. Alyssa San Jose, PhD Candidate, The Pennsylvania State University, USA. How Pinteresting: Investigating the Internalizing Disorders Content on Social Media.

**This session is jointly offered with the Education Unit*

13:00-14:30 Session III (Room E - Mezzanine Floor): Internet of Things

Chair: Till Haenisch, Professor, BW State University, Heidenheim, Germany.

1. Opher Etzion, Professor and Department Chair, Information Systems, Max Stern Yezreel Valley College, Israel. On the Democratization of IoT Applications using Intelligent Infrastructure.
2. Sebastian Stigler, Aalen University of Applied Sciences, Germany, Gulshat Karzhaubekova, Research Fellow, Aalen University of Applied Sciences, Germany & Christoph Karg, Professor, Aalen University of Applied Sciences, Germany. An Approach for the Automated Detection of XSS Vulnerabilities in Web Templates.
3. Marina Burdack, Research Fellow, Aalen University of Applied Sciences, Germany, Manfred Rössle, Professor, Aalen University of Applied Sciences, Germany & René Kübler, Software Developer, Oskar Frech GmbH + Co. KG, Germany. A Theoretical Concept of an in-Memory Database Especially for IoT Sensor Data.
4. Rashmi G. Elera, Student, University of Washington, USA & D.C. Grant, Lecturer, University of Washington, USA. Interacting with Intelligent Assistants to Predict Consumer Satisfaction.

14:30-15:30 Lunch

15:30-17:00 Session IV (Room E - Mezzanine Floor): Business Analytics

Chair: Thomas Fehlmann, Senior Researcher, Euro Project Office AG, Switzerland.

1. Till Haenisch, Professor, BW State University, Heidenheim, Germany. Understanding Former Drive Load in Paper Machines by using Big Data Techniques.
2. Biswadip Ghosh, Associate Professor, Metropolitan State University of Denver, USA. Supporting Enterprise Business Analytics with Collaborative Learning.
3. Sapora Bradley, Researcher, Pepperdine University, USA. An Exploratory Study of the Role of the Human Resource Information System Professional.

17:00-18:30 Session V (Room E - Mezzanine Floor): Computer Science

Chair: Carsten Lecon, Professor, Aalen University of Applied Sciences, Germany.

1. Thomas Fehlmann, Senior Researcher, Euro Project Office AG, Switzerland. Computer Science and Digitalization.
2. Florian Pramme, Research Assistant / PhD Student, Ostfalia University of Applied Sciences / Clausthal University of Technology, Germany. FAST – FPGA-based Acceleration of Simulation Codes and Real-Time Models.

21:00-23:00 Greek Night and Dinner

Tuesday 22 May 2018

07:45-11:00 Session VI: 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 VII (Room D - 10th Floor): Information and Communication Technology in Education*

Chair: Christoph Karg, Professor, Aalen University of Applied Sciences, Germany.

1. Jennifer Richardson, Professor, Purdue University, USA, Karen Swan, Professor, University of Illinois Springfield, USA, Patrick Lowenthal, Associate Professor, Boise State University, USA & Marcia Gentry, Professor, Purdue University, USA. Social Presence in Online Learning: Historical Perspectives with an Eye to the Future.
2. Helen Massfeller, Associate Professor, University of New Brunswick, Canada & Rita Kop, Associate Dean, Faculty of Education, Yorkville University, Canada, Peter Hall, Dean, Faculty of Behavioural Sciences, Yorkville University, Canada. The Ethics of Care: Online Counsellor Support in Higher Education Using Advanced Technology.
3. Eyvind Elstad, Professor, University of Oslo, Norway. Antecedents of Teachers' Organizational Citizenship Behavior for ICT in Teaching and Their Improvement Efforts.
4. Ari Poutiainen, Associate Professor, University of Helsinki, Finland. Higher Music Education and Learning with Video Tutorials.
5. Elizabeth Diaz, Senior Lecturer, University of Texas at Arlington, USA. The Importance of Pronouncing Student's Name Right: SayitRight or SayMyNameRight using Smartphone APPS.

**This session is jointly offered with the Education Unit*

13:00-14:00 Lunch

14:00-15:30 Session VIII (Room D - 10th Floor): Information Assurance and Computer Security

Chair: Opher Etzion, Professor and Department Chair, Information Systems, Max Stern Yezreel Valley College, Israel.

1. Christoph Karg, Professor, Aalen University of Applied Sciences, Germany. Image-based Malware Detection Using Convolutional Neural Networks.
2. Carsten Lecon, Professor, Aalen University of Applied Sciences, Germany. Motion Sickness in VR Learning Environments.
3. William Kapakos, Assistant Professor, Western Carolina University, USA, Barbara Jo White, Professor, Western Carolina University, USA, Lorrie Willey, Associate Professor, Western Carolina University, USA & Janet Ford, Associate Professor, Western Carolina University, USA. A Focus on Legal-Technical Components of the Political Dimension of Globality.
4. Ana Ktona, Lecturer, Tirana University, Albania. Appropriate System to Support Decision Making in Medicine Area.

20:00- 21:30 Dinner

Wednesday 23 May 2018
Mycenae and Island of Poros Visit
Educational Island Tour

Thursday 24 May 2018
Delphi Visit

Friday 25 May 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 the 14th Annual International Conference on Information Technology & Computer Science, 21-24 May 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. Panagiotis Petratos, Vice-President of Information Communications Technology, ATINER & Fellow, Institution of Engineering and Technology & Professor, Department of Computer Information Systems, California State University, Stanislaus, USA.
4. Sotirios Skevoulis, Academic Member, ATINER & Professor & Chair of Software Engineering, Pace University, USA.
5. Till Haenisch, Academic Member, ATINER & Professor, BW State University, Heidenheim, Germany.
6. Carsten Lecon, Professor, Aalen University of Applied Sciences, Germany.
7. Christoph Karg, Professor, Aalen University of Applied Sciences, Germany.
8. Opher Etzion, Professor and Department Chair, Information Systems, Max Stern Yezreel Valley College, Israel.
9. Thomas Fehlmann, Academic Member, ATINER & Senior Researcher, Euro Project Office AG, Switzerland.
10. Sapora Bradley, Academic Member, ATINER & Researcher, Pepperdine University, USA.
11. Jeril Kuriakose, Senior Software Engineer, Artificial Intelligence and Machine Learning, RawData Technologies Pvt. Ltd., India.

The Organizing Committee of the conference was:

1. Fani Balaska, Research Assistant, ATINER.
2. Olga Gkounta, Researcher, ATINER.
3. Hannah Howard, Research Assistant, ATINER.
4. Despina Katzoli, Researcher, ATINER.
5. Eirini Lentzou, Administrative Assistant, ATINER.
6. Konstantinos Manolidis, Administrator, ATINER.
7. Kostas Spyropoulos, Administrator, ATINER.