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

12th Annual International Conference on Information Technology & Computer Science, 16-19 May 2016, Athens, Greece
Organized by the Computer Research Unit
Sponsored by the *Athens Journal of Technology & Engineering* & *Athens Journal of Sciences*

Conference Venue: Titania Hotel, 52 Panepistimiou Street, 106 78 Athens, Greece

Monday 16 May 2016
(all sessions include 10 minutes break)

08:00-09:00 Registration and Refreshments

09:00-09:30 (ROOM E - Mezzanine Floor) Welcome & Opening Remarks

- Dr. Gregory T. Papanikos, President, ATINER.
- Dr. George Poulos, Vice-President of Research, ATINER & Emeritus Professor, University of South Africa, South Africa.

09:30-11:30 Session I (ROOM E - Mezzanine Floor): Colloquium on Online and Distance Education*

Chair: Olga Gkounta, Researcher, ATINER.

1. Timothy Newby, Professor, Purdue University, USA. Instructional Digital Badges in an Online Masters Degree Program.
2. Sarah Smetzer-Fox, Manager of Educational Technology and Ph.D. Student, California Institute of Integral Studies and Florida Atlantic University, USA & Dilys Schoorman, Professor, Florida Atlantic University, USA. Virtual Education: Emancipatory or Oppressive?
3. Vassiliki Michou, Educational Engineer, University Pierre and Marie Curie, France. The Instructional Video in the Teaching Practice.
4. Augustine Maruva Tirivangana, Director, Zimbabwe Council for Higher Education (ZIMCHE), Zimbabwe. Towards a Quality Assurance Framework for the Assessment of on-Line Programmes: Developing Indicators of Excellence for Developing Countries.

*This session is jointly offered with the Human Development Research Division of ATINER

11:30-13:00 Session II (ROOM E - Mezzanine Floor): Educational Technology I*

Chair: Christine Conley-Sowels, Professor, Ferris State University, USA.

1. Chang-Hwa Wang, Professor, National Taiwan Normal University, Taiwan. Factors Influencing Learner Presence in Augmented-Reality-Mediated Instruction.
2. Wolfram Laaser, FormerAkademischer Direktor, Fern Universität in Hagen, Germany. Video Formats. Yesterday and Tomorrow.
3. Abeer Watted, Ph.D. Student, Technion-Israel Institute of Technology, Israel & Miri Barak, Assistant Professor, Technion-Israel Institute of Technology, Israel. Knowledge Construction and Career Advancement in a Massive Open Online Course in Nanotechnology and Nanosensors.
4. Maria de Fatima Goulao, Assistant Professor, Universidade Aberta, Portugal. Concept Maps as Facilitative Tools in E-Learning Context.
5. Bahareh Shojaie, Ph.D. Candidate, The University of Hamburg, Germany, Hannes Federrath, Professor, The University of Hamburg, Germany & Iman Saberi, Ph.D. Student, Technical University of Hamburg, Germany. The Effects of National Culture on the Implementation of ISM Standards Based on the ISO 27001.
6. Roseli Zen Cerny, Professor, Federal University of Santa Catarina, Brazil, Carla Cristina Dutra Búrigo, Professor, Federal University of Santa Catarina, Brazil, Marina Bazzo de Espíndola, Professor, Federal University of Santa Catarina, Brazil & Nayara Cristine Müller Tosatti, Student, Federal University of Santa Catarina, Brazil. The Curriculum in the Digital Culture and the Process of Formation: A Mediated Relation.

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13:00-14:30 Session III (ROOM E - Mezzanine Floor): Internet of Things, Industrial Internet, Smart Factories and Industry 4.0
Chair: Till Hanisch, Professor, BW State University, Heidenheim, Germany.

1. Dimitris Kiritsis, Professor, EPFL - École Polytechnique Fédérale de Lausanne, Switzerland. Enabling Technologies for Closed-Loop Lifecycle Management of Intelligent Products & Assets.
2. Jarogniew Rykowski, Professor, Poznań University of Economics and Business, Poland. HCN: Low-Cost Networking for DIY Internet of Things.
3. Nerijus Jusas, Ph.D. Student, Kaunas University of Technology, Lithuania, Algimantas Venckauskas, Professor, Kaunas University of Technology, Lithuania & Vytautas Stuikys, Professor, Kaunas University of Technology, Lithuania. Model-Driven Framework to Develop the IoT-Based Healthcare Applications.

14:30-15:30 Lunch

15:30-17:00 Session IV (ROOM E - Mezzanine Floor): Management Systems Development I
Chair: Dimitris Kiritsis, Professor, EPFL - École Polytechnique Fédérale de Lausanne, Switzerland.

1. Peter Stoehr, Professor, University of Applied Science Hof, Germany & Christin Seifert, Research Assistant, University of Passau, Germany. Extending the Language of the Web for Dynamic Content Integration.
2. Noureldien Abdelrahman Noureldien, Dean, Faculty of Computer Science and Information Technology, University of Science and Technology, Sudan & Izzeldin M. Yousif, Postgraduate Student, University of Science and Technology, Sudan. Accuracy of Machine Learning Algorithms in Detecting DoS Attacks Types.

17:00 -18:30 Session V (ROOM E - Mezzanine Floor): Cloud, Internet, Management Systems
Chair: Jarogniew Rykowski, Professor, Poznań University of Economics and Business, Poland.

1. Cam Nguyen, Professor, Texas A&M University, USA, Jaeyoung Lee, Research Associate, Texas A&M University, USA, Cuong Huynh, Research Associate, Texas A&M University, USA, Donghyun Lee, Research Associate, Texas A&M University, USA & Juseok Bae, Research Assistant, Texas A&M University, USA. A Millimeter-Wave Dual-Band Phased Array for Communications and Radar.
2. Mary-Angela Papalaskari, Assistant Professor, Villanova University, USA. Algorithmic [Jigsaw] Puzzles in Computer Science Education.
3. Thomas Fehlmann, Senior Researcher, Euro Project Office AG, Switzerland. Organizing Knowledge in the Internet of Things (IoT).

18:30-20:00 Session VI (ROOM E - Mezzanine Floor): Management Systems
Chair: Peter Stoehr, Professor, University of Applied Science Hof, Germany.

1. Till Hanisch, Professor, BW State University, Heidenheim, Germany, Manfred Rossle, Professor, University of Applied Sciences Aalen, Germany & Rene Kubler, Research Fellow, University of Applied Sciences Aalen, Germany. Storing Sensor Data in Different Database Architectures.
2. Biswadip Ghosh, Associate Professor, Metropolitan State University of Denver, USA. Benefits of using ERP Simulations on Building Information Literacy.
3. Carlos Franco, Ph.D. Student, Universidad Nacional Autónoma de Mexico (UNAM), Mexico, Abel Herrera-Camacho, Professor, Universidad Nacional Autónoma de Mexico (UNAM), Mexico & Fernando Del Rio-Avila, Research Assistant, Universidad Nacional Autónoma de Mexico (UNAM), Mexico. Design of a Mexican Spanish Synthesizer using HTS.

21:00-23:00 Greek Night and Dinner (Details during registration)

Tuesday 17 May 2016
(all sessions include 10 minutes break)

08:00-10:00 Session VII (ROOM E - Mezzanine Floor): Management Systems Development II

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

1. Sotiris Skevoulis, Professor and Chair, Software Engineering Program, Pace University, USA, Constantine Coutras, Professor, Montclair State University, USA & Parag Patel, Bank Of New York Mellon, USA. Identity Management and Access Control. Techniques and Mechanisms for Managing Identity Management and Access Control.
2. Feng Qin Yu, Professor, Jiangnan University, China & Qing Fan, Graduate Student, Jiangnan University, China. Improved Algorithm with Spatial and Temporal Characteristics for Video Saliency Detection.
3. Christopher Stuetzle, Assistant Professor, Merrimack College, USA & Gavril Bilev, Assistant Professor, Merrimack College, USA. Adapting Cellular Automata Simulation Techniques to the Study of Democratization.

10:00-11:30 Session VIII (ROOM E - Mezzanine Floor): Knowledge Computing in the Bio-Medical and Digital Health

Chair: Christopher Stuetzle, Assistant Professor, Merrimack College, USA.

1. Heba Mohsen, Assistant Lecturer, Future University, Egypt, El-Sayed El-Dahshan, Professor, Egyptian E-Learning University, Egypt, El-Sayed El-Horbaty, Professor, Ain Shams University, Egypt & Abdel-Badeeh Salem, Professor, Ain Shams University, Egypt. A Comparative Study of Segmentation Techniques for Brain Magnetic Resonance Images. (COMMED)
2. Margarita Kruchinina, Leading Researcher, Federal State Budgetary of Scientific Institution "Institution of Internal and Preventive Medicine", Russia, Andrey Gromov, Senior Researcher, Federal State Budgetary of Scientific Institution "Institution of Internal and Preventive Medicine", Russia, Anna Rabko, Cardiologist, Federal State Budgetary of Scientific Institution "Institution of Internal and Preventive Medicine", Russia, Vladimir Generalov, Leading Researcher, Federal State Budgetary of Scientific Institution "Institution of Internal and Preventive Medicine", Russia & Konstantin Generalov, Programmer, Researcher, The State Research Center of Virology and Biotechnology VECTOR, Russia. Is it Possible to Apply the Hemorheological Parameters as Precursors of Recurrent Strokes.
3. Hector Rabal, Principal Researcher, Centro de Investigaciones Opticas, Argentina, Nelly Cap, Researcher, Centro de Investigaciones Opticas, Argentina, Eduardo Grumel, Researcher, Centro de Investigaciones Opticas, Argentina & Marcelo Trivi, Researcher, Centro de Investigaciones Opticas, Argentina. Dynamic Laser Speckle on Biomedical and Biological Applications. (COMMED)

11:30-14:30 Urban Walk (Details during registration)
14:30-15:30 Lunch

15:30-17:00 Session IX (ROOM E - Mezzanine Floor): Educational Technology II*

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. Patricia Scherer Bassani, Professor, Feevale University, Brazil & Rafael Vescovi Bassani, Professor, Unisinos University, Brazil. Production and Sharing of Learning Activities with Technologies: Designing for Learning in Teacher Formation Courses.
2. Alvino Moser, Vice Rector and Professor, UNINTER, Brazil, Yuri Berri Afonso, MSc Student, UNINTER, Brazil & Germano Bruno Afonso, Professor, UNINTER, Brazil. Immersive 3D Technology in the Indigenous Scholar Education.
3. Mary Connor, Associate Professor, Bridgewater State University, USA, Jon Cash, Assistant Professor, Bridgewater State University, USA & Lisa Battaglino, Dean, College of Education and Allied Studies, Bridgewater State University, USA. Mastering the Use of Tablet Technology in a Teacher Preparation Curriculum.
4. Luiz Corcini, MSc Student, UNINTER, Brazil, Luciano Medeiros, Professor, UNINTER, Brazil & Alvino Moser, Vice Rector and Professor, UNINTER, Brazil. Changing Ways for a Better Education: A 3D Gamified Virtual Learning Environment (VLE).

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17:00-18:30 Session X (ROOM E - Mezzanine Floor): Management Systems Development III
Chair: Hector Rabal, Principal Researcher, Centro de Investigaciones Opticas, Argentina.
1. Izzeldin Osman, Emeritus Professor, Sudan University of Science and Technology, Sudan. Empowering Women in Academia: A Novel Internet Mediated PhD Program in Computer Science and Information Technology. 2. Erdal Kose, Lecturer, Fairleigh Dickinson University, USA. A Survey of Artificial Intelligence (AI) Search Algorithms and Their Efficiency When Applied to Path Finding Problems. 3. Pravakar Pradhan, Associate Lecturer, Royal University of Bhutan, Bhutan & Axel Holst, University of Rostock, Germany. Development of a Dynamic Power System Model of Bhutan for Stability Investigations.

21:00- 22:30 Dinner (Details during registration)

Wednesday 18 May 2016 **Cruise: (Details during registration)**

Thursday 19 May 2016 **Delphi Visit: (Details during registration)**