



Athens Institute for Education and Research
10th Annual International Conference on Mathematics & Statistics:
Teaching, Theory & Applications
27-30 June 2016, Athens, Greece



Organized by The [Mathematics & Statistics Research Unit](#) and [The Education Research Unit](#) of ATINER
sponsored by the [Athens Journal of Sciences](#) and the [Athens Journal of Education](#)

Conference Venue: [Titania Hotel](#), 52 Panepistimiou Street, 10678 Athens, Greece

Monday 27 June 2016

(all sessions include 10 minutes break)

08:00-08:30 Registration and Refreshments

08:30-09:00 Welcome & Opening Address (ROOM B-Mezzanine Floor)

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

09:00-10:30 Session I (ROOM C-Mezzanine Floor): Statistics: Teaching & Applications I

Chair: *Codruta Stoica, Associate Professor, Aurel Vlaicu University of Arad, Romania.

1. *Bahman Shafii, Professor and Director, University of Idaho, USA. Nonparametric Bayesian Estimation of an Unknown Dose.
2. *Madhu Paranjape, Associate Professor, University of Mumbai, India. Human Development and Substantive Employment: Perception and Reality - A Case Study of Raigad District of Maharashtra, India.
3. Yong Hu, Associate Professor, Jinling Institute of Technology, China & Sheng-Guo Chen, Professor, Jinling Institute of Technology, China. A Comparative Study of Shape and Texture Features for Finger Spelling Recognition.
4. Marta Malecka, Assistant Professor, University of Lodz, Poland. Nonparametric Methods of Statistical Inference in ES Testing.

10:30-12:00 Session II (ROOM C-Mezzanine Floor): Statistics

Chair: *Bahman Shafii, Professor and Director, University of Idaho, USA

1. Alan Ker, Professor and Director, Department of Food, Agricultural and Resource Economics, University of Guelph, Canada. Bayesian Model Averaging of Nonparametric Densities with Applications to Rating Crop Insurance Contracts.
2. *Diarmuid O'Driscoll, Head, Department of Mathematics, Mary Immaculate College, Ireland & Donald Ramirez, Professor, University of Virginia, USA. Limitations of the Standard Linear Regression Model; A Teaching Perspective.
3. *Ampalavanar Nanthakumar, Professor, State University of New York at Oswego, USA. A Comparison of Quantile Regression and Copula based Conditional Regression Results for Body Mass Index.

12:00-13:30 Session III (ROOM C-Mezzanine Floor): Statistics: Teaching & Applications II

Chair: *Ampalavanar Nanthakumar, Professor, State University of New York at Oswego, USA.

1. *Smita Patgaonkar, Assistant Professor, University of Mumbai, India. Exploring the Predictors of Survival in HIV Positive Patients after Initiation of ART(Antiretroviral Retroviral Therapy) Treatment.
2. Stella Stylianou, Lecturer, RMIT Universit, Australia. Definitive Screening Experiments.
3. Jaroslav Sixta, Researcher/Teacher, University of Economics in Prague, Czech Republic & Martina Simkova, Researcher/Teacher, University of Economics in Prague, Czech Republic. Estimates of Czech GDP for The Period 1970-1990.

13:30-14:30 Lunch

14:30-16:30 Session IV (ROOM C-Mezzanine Floor): Mathematics

Chair: *Diarmuid O'Driscoll, Head, Department of Mathematics, Mary Immaculate College, Ireland.

1. *Codruta Stoica, Associate Professor, Aurel Vlaicu University of Arad, Romania. A Stochastic Approach of Dynamical Systems by Means of Cocycles.
2. Dongrui Wan, Lecturer, Shenzhen University, China. The Application of Closed Positive Currents to Quaternionic Pluripotential Theory.
3. Andri Lopez, Institute Polytechnic Leon, Spain. Demonstration Goldbach Conjecture.

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

Tuesday 28 June 2016

08:00-11:00 Educational and Cultural Urban Walk Around Modern and Ancient Athens (Details during registration)

11:00-12:30 Session V (ROOM C-Mezzanine Floor): Mathematics: Teaching & Applications

Chair: *Smita Patgaonkar, Assistant Professor, University of Mumbai, India.

1. *Sophie Chrysostomou, Associate Professor, University of Toronto Scarborough, Canada & *Zohreh Shahbazi, Associate Professor, University of Toronto Scarborough, Canada. The Difficulties Students Commonly Face in Engaging with Material in First Year University Calculus Courses.
2. Joyce Adjekukor, Lecturer, Delta State Otefe Oghara, Nigeria & Ikpere Ekerikeuwe, Lecturer, Delta State Otefe Oghara, Nigeria. Between some Maternal Characteristics and Birthweight of Neonates: Evidence from a Teaching Hospital in South-South Nigeria.

12:30-14:00 Session VI (ROOM C-Mezzanine Floor): Statistics: Teaching & Applications III

Chair: *Zohreh Shahbazi, Associate Professor, University of Toronto Scarborough, Canada.

1. *Rong-Tsorng Wang, Assistant Professor, Tunghai University, Taiwan. Multiple Failures in Software Reliability Models.
2. Stelios Georgiou, Senior Lecturer, RMIT University, Australia. Methodology for Applied Experimental Designs.
3. Luz Graciela Orozco Vaca, Ph.D. Student, CINVESTAV, IPN, Mexico. Self-Instructions for Applying Writing as a Metacognitive Tool in Problem Resolution.

14:00-15:00 Lunch

15:00-16:30 Session VII (ROOM C-Mezzanine Floor): Special Topics on Mathematics, Education & Statistics

Chair: *Sophie Chrysostomou, Associate Professor, University of Toronto Scarborough, Canada

1. Irimi Papaieronymou, Lecturer, Michigan State University / University of Nicosia, USA / Cyprus. Teaching College Probability for Higher Achievement.
2. Jose Luis Lopez Hernandez, Ph.D. Student, Centro de Investigación y de Estudios Avanzados-IPN, Mexico. A Socio-Cultural Approach of Objectification Processes of the Concept of Variation.
3. Come J. A. Bere, Assistant Professor, University of Ouagadougou, Burkina Faso, Marie Françoise Ouedraogo, Assistant Professor, University of Ouagadougou, Burkina Faso & Moussa Ouattara, Professor, University of Ouagadougou, Burkina Faso. On Nilpotency in Leibniz Algebras.

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

Wednesday 29 June 2016
Cruise: (Details during registration)

Thursday 30 June 2016
Delphi Visit: (Details during registration)