



ICMS 2017

INTERNATIONAL CONFERENCE ON
COMPUTING, MATHEMATICS AND STATISTICS 2017

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THE 5TH JOINT INTERNATIONAL CONFERENCE ON NEW CHALLENGES FOR STATISTICAL SOFTWARE: THE USE OF R IN OFFICIAL STATISTICS (UROS2017) – ASIA PACIFIC

Official website: www.icmskdh.net

The Faculty of Computer and Mathematical Sciences of Universiti Teknologi MARA Kedah, Malaysia is hosting two parallel international conferences. The organizing committee invites academicians, researchers, PhD candidates and practitioners worldwide to submit full papers to the conferences. Participants are entitled to attend both conferences.

7 – 8 November 2017

Adya Ballroom, Adya Hotel,
Langkawi, Malaysia

Deadlines:

Please refer to the conference official website for the latest deadlines.

PUBLICATIONS

All full papers will be published in a Springer Conference Proceedings and will be indexed by ISI upon approval.

Authors of selected papers have the opportunity to submit extended full papers to:

- Austrian Journal of Statistics
- Romanian Statistical Review
- Australian & New Zealand Journal of Statistics
- Journal of Creative Practices of Language, Learning & Teaching
- Journal of Clinical and Health Sciences

Tracks

A. Computer Science & Information Technology

Algorithms and theory; Software engineering; Concurrent, distributed and parallel computing; Computer architecture; Computer Networking and Networked Systems; Security and privacy; Information Science; Artificial intelligence; Computer graphics and Visualization; Computational Science.

B. Mathematics

Actuarial Science; Applied Mathematics; Biomathematics; Financial Engineering/ Financial Mathematics/ Quantitative Finance; Formalization of Mathematics; Foundation of Mathematics; Mathematics; Mathematical Software Design and Implementation; Mathematical Modelling; Mathematical Physics; Pure Mathematics; System Dynamics.

C. Statistics

Applied Statistics; Biostatistics/ epidemiology; Bioinformatics; Business Statistics; Computational Statistics; Data Mining; Econometrics; Environmental Statistics; Industrial Statistics; Industrial Quality Control; Mathematical Statistics; Medical Statistics; Modelling and Simulation; Operations Research; Probability; Quantitative Methods; Health and Numbers; Health Statistics; System Dynamics.

D. R and its Users

R & Other Languages/ Systems; R Community; R for Statistical Computing; R in Economics, Business and Industry; R in Ecology and Environment; R in Education; R in Official Statistic; R in Medical Research; Reproducible Research; Visualization & Graphics.

E. Modelling in Medical & Health Sciences

Bioinformatics; Biostatistics; Epidemiology; Computational Medicine; Health & Numbers; Health Informatics; Medical Statistics; Modelling & Simulation; Quantitative Psychology

F. Computer Science/ Mathematics/ Statistics Education (CMS)

Innovative Teaching and Learning in CMS; Evaluation and Assessment in CMS Education; Using Technology in CMS Education; Visualization in the Teaching and Learning of CMS; Mathematics Education at Preschool Level; Problem Solving in Mathematics Education; Activities and Programs for Students with Special Needs.

Keynote Speakers



Matthias Templ, PhD

- Owner of data analysis company OG.
- Lectures at the Institute of Data Analysis & Process Design, Zurich University of Applied Sciences, Switzerland; An associate professor at Vienna University of Technology; Researcher at Statistics Austria.
- Consultant for UNIDO, the World Bank and the OECD.
- Published 45 papers in scientific journals
- Author of R packages – sdcMicro, simPop, robCompositions & VIM
- Author of books: *Statistical Disclosure Control for Microdata: Methods and Application in R & Simulation for Data Science with R*
- Editor-in-chief of the Austrian Journal of Statistics; associate editor for Springer's Journal Wirtschafts-und Sozialstatistische Archiv; editor for journal The Register.

- PhD in biostatistics from the University of Amsterdam.
- A biostatistician, an epidemiologist and a mathematical modeller.
- Author of *Nagelkerke R² coefficient of determination* used in Logistics Regression.
- Has over 400 publications.
- Extensive experience in infectious diseases, epidemiological research and modelling, and statistical consultancy works in health related industry in Europe, Canada, Africa, Middle East and South East Asia, including collaboration works with the Centre for Global Health Research (University of Toronto); WHO in West Africa; UNAIDS; the World Bank in India and the Russian Federation.



Professor Nicolaas J D Nagelkerke



Professor Martin Everett

- Professor at University of Manchester
- Cofounder of Mitchell Centre for Social Network Analysis
- Co-author of software package UCINET, world's most commonly used software for SNA
- Past president of the International Network for Social Network Analysis (INSNA)
- Authored two books and published over 80 journal articles.
- Co-editor of the journal *Social Networks* (Impact Factor 2.784)
- Co-editor of the *SCLImago Journal Rank (SJR)* (Impact Factor 2.070)
- Simmel Award holder
- Extensive consultation works

Conference Fee Per Participant

CATEGORY	EARLY BIRD	NORMAL
Local Participants/ Presenters	RM 1190	RM 1490
International Participants/ Presenters	USD 310	USD 370
Local Students	RM 890	RM 1190
International Students	USD 230	USD 310

Pre-Conference Workshops: HRDF Claimable

Workshop 1: R and Data Manipulation: Big Data Application, 5 – 6 November 2017, Adya Hotel, LANGKAWI

Workshop 2: Modelling Communicable Disease Dynamics & Control, 5 – 6 November 2017, Adya Hotel, LANGKAWI

Workshop 3: Introduction to Social Network Analysis Using UCINET & Netdraw, 5 – 6 November 2017, Park Avenue Hotel, SUNGAI PETANI

Co-organisers:



Kedah Branch Campus



National Institute of Statistics, Romania



Ecological University of Bucharest



The Bucharest University of Economic Studies



The University of Bucharest



Nicolae Titulescu University of Bucharest

For more information, please visit www.icmskdh.net