

1st International Conference On Applied Mathematics in Engineering and Reliability (ICAMER 2016)

Ho Chi Minh City, Vietnam, 4-6 May 2016

Organized by

Ton DucThang University, Vietnam

VŠB – Technical University of Ostrava, Czech Republic

ERSA – European Safety and Reliability Association



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The conference ICAMER 2016 will provide a forum for presentation and discussion of scientific papers, covering a number of topics within engineering and mathematics. The conference is especially focused on advanced engineering and mathematics which are frequently used in reliability, risk and safety technologies.

The ICAMER 2016 organizing committee is calling the submission of papers that present high quality, original and unpublished work on all research topics of the conference. All submissions will be thoroughly peer-reviewed by multiple reviewers. Proceedings of ICAMER 2016 will be indexed by Thomson ISI and SCOPUS.

LOCATION. ICAMER 2016 will be held in Ho Chi Minh City, Vietnam.

TOPICS. Topics of interest include:

Applied Mathematics in Reliability

- Stochastic Reliability
- Accelerated Life Testing
- Modelling, Applications of Stochastic Processes
- Survival Analysis
- Risk and Hazard Analysis
- Structural Reliability
- System Reliability Analysis
- Reliability Data Analysis
- Safety and Risk Assessment
- Estimation and Statistical Tests
- Monte Carlo Methods in System Safety and Reliability
- Lifetime Distributions Theory
- Dynamic Reliability
- Human Reliability
- Bayesian methods, Bayesian reliability
- Multistate & Continuous Systems
- Reliability and Safety Data Collection and Analysis
- Network Reliability and Optimization Models of Repair
- Maintenance Modelling and Optimization
- Reliability of Large Industrial Systems
- Uncertainty and Sensitivity Analysis
- Software Reliability and Testing
- Decision-making Under Risk

Advanced Mathematical Methods for Engineering

Nonlinear Partial

Differential Equations

- Inverse Problems.
- Wave propagation in natural phenomena.
- Numerical analysis.
- Evolutionary problems with nonlocal dispersal.
- Nonlinear parabolic equations with initial measure data.
- Evolutionary problems with nonlocal dispersal.
- Nonlinear degenerate parabolic equations with singular absorptions, and source terms.

Statistics

- Multivariate Statistics.
- Nonparametric Statistics.
- Computations in Statistics.

IMPORTANT DATES

- Call for Papers and Paper Submission: **1st August – 15th December, 2015.**

- Notification of Paper Acceptance: **31th January, 2016.**

- Registration and Payment: **1st February – 29th February, 2016.**

- **Phan Dao**, Ton Duc Thang University, Vietnam
- **Nguyen Thoi Trung**, Ton Duc Thang University, Vietnam
- **Nguyen Thanh Hien**, Ton Duc Thang University, Vietnam
- **Vo Hoang Duy**, Ton Duc Thang University, Vietnam
- **Phan Tran Hong Long**, Water Resources University, Vietnam
- **Tran Trong Dao**, Ton Duc Thang University, Vietnam
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- **Dang Dinh Hai**, University of Mississippi, USA

ORGANIZING COMMITTEE

- **Dr. Phan Dao** - Ton DucThang University.
- **Dr. Chu DucKhanh** - Ton DucThang University.
- FEI, VŠB - Technical University of Ostrava.
- ESRA

- Conference Dates: **4th – 6th May, 2016.**

CONFERENCE FEE

Standard Registration: **350 EUR**, ESRA Member: **300 EUR.**

KEYNOTE SPEAKERS

- Prof. Frank Coolen, Durham University, United Kingdom
- Prof. Ron S. Kenett, University of Turin, Italy, Center for Finance and Risk Engineering, NYU-Poly (USA) Past President, European Network for Business and Industrial Statistics (ENBIS) Past President, Israel Statistical Association (ISA) Chairman and CEO, The KPA Group Ltd., Israel
- TDTU
- VSB – TUO, to be announced soon
- ESRA