

CALL FOR PAPERS



INES 2013

17th IEEE International Conference on Intelligent Engineering Systems 2013

Costa Rica

June 19-21, 2013

INES Founding Honorary Chair

Imre J. Rudas, Óbuda University, Budapest, Hungary

INES 2013 Honorary Chairs

Lotfi A. Zadeh, USA

Bogdan M. Wilamowski, USA

INES 2013 General Chairs

János Fodor, Óbuda University, Budapest, Hungary

Carlos Manuel Travieso-González, Univ. of Las Palmas de Gran Canaria, Spain

INES 2013 Technical Program Committee Chairs

László Horváth, Óbuda University, Budapest, Hungary

Rita Ósz, Óbuda University, Budapest, Hungary

INES 2013 Technical Program Committee

Rudolf Andoga, Technical University of Košice, Slovakia

Valentina Balas, "Aurel Vlaicu" University, Arad, Romania

Ildar Batyrshin, Mexican Petroleum Institute, Mexico

Barnabás Bede, Óbuda University, Budapest, Hungary

Attila L. Bencsik, Óbuda University, Budapest, Hungary

Balázs Benyó, BME, Hungary

Georgi Dimirovski, Sts. Cyril and Methodius University, Macedonia

Tom Gedeon, Australian National University, Australia

Gerhard Hancke, University of Pretoria, South Africa

Kaoru Hirota, Tokyo Inst. of Tech., Japan

Karel Jezernik, University of Maribor, Slovenia

Zsolt Csaba Johanyák, Kecskemét College, Hungary

Janusz Kacprzyk, Polish Academy of Sciences, Poland

Oussama Khatib, Stanford University, USA

László T. Kóczy, Széchenyi István University, Győr, Hungary

George Kovács, CAI of HAS, Hungary

Levente Kovács, BME, Hungary

Szilveszter Kovács, University of Miskolc, Hungary

Krzysztof Kozłowski, University of Poznan, Poland

Krisztián Lamár, Óbuda University, Budapest, Hungary

Jose Antonio Tenreiro Machado, Institute of Engineering of Porto, Portugal

Ladislav Madarász, Technical University of Košice, Slovakia

K. Ohnishi, Keio University, Japan

Endre Pap, University of Novi Sad, Serbia

Béla Pátkai, Tampere University of Technology, Finland

Emil M. Petriu, University of Ottawa, Canada

Jozsef Považan, Technical University of Košice, Slovakia

Radu-Emil Precup, „Politehnica” University of Timișoara, Romania

Stefan Preiul, „Politehnica” University of Timișoara, Romania

Octavian Prostean, „Politehnica” University of Timișoara, Romania

János Somló, BME, Hungary

József K. Tar, Óbuda University, Budapest, Hungary

Masayoshi Tomizuka, University of California, USA

Annamária R. Várkonyi-Kóczy, Óbuda University, Budapest, Hungary

Jozef Živčák, Technical University of Košice, Slovakia

INES 2013 Local Organizing Committee Chair

Melvin E. Ramírez Bogantes, National University of Costa Rica, Costa Rica

INES 2013 Local Organizing Committee

Juan Pablo Prendas, Technological Institute of Costa Rica, Costa Rica

Oscar Salas, National University of Costa Rica, Costa Rica

Juan Carlos Briceño, University of Costa Rica, Costa Rica

Jose Luis Vásquez, University of Costa Rica, Costa Rica

Geovanni Figueroa, Technological Institute of Costa Rica, Costa Rica

Ronny Gamboa, National University of Costa Rica, Costa Rica

Yuri Morales, National University of Costa Rica, Costa Rica

Álvaro de la Ossa, National Center on High Technology, Costa Rica

Jesús B. Alonso, University of Las Palmas de Gran Canaria, Spain

Jorge Arroyo, National University of Costa Rica

INES 2013 Organizing Committee Chairs

Marian Bučko, Elfa Ltd., Slovakia

József Gáti, Óbuda University, Budapest, Hungary

Sivý Igor, TU Košice, Slovakia

INES 2013 Organizing Committee

Ladislav Füző, Technical University of Košice, Slovakia

Vladimír Gašpar, Technical University of Košice, Slovakia

Gyula Kátyás, Óbuda University, Budapest, Hungary

Ilona Reha, Óbuda University, Budapest, Hungary

Sponsored by: *Óbuda University, Budapest, Hungary*

IEEE Computational Intelligence Chapter, Hungary

IEEE Joint Chapter of IES and RAS, Hungary

IEEE SMC Chapter, Hungary

IEEE Hungary Section

Technical Sponsor: *IEEE Industrial Electronics Society*

Hungarian Fuzzy Association

IEEE Costa Rica Section



Topics include but not limited to:

Artificial Intelligence in Engineering: Reasoning, Learning, Decision Making, Knowledge Based Systems, Expert Systems

CAD/CAM/CAE Systems: Product Modeling, Shape Modeling, Manufacturing Process Planning

Communications Software and Systems in Engineering: Design Methodologies and Tools, Object-oriented, UML, Software Engineering

Computational Intelligence in Engineering: Machine Learning, Genetic Algorithms, Neural Nets, Fuzzy Systems, Fuzzy and Neuro-fuzzy Control

Intelligent Manufacturing Systems: Production Planning and Scheduling, Rapid Prototyping, Flexible Manufacturing Systems, Collaborative Engineering, Concurrent Engineering

Intelligent Mechatronics and Robotics Systems: Control, Perception and Recognition, Sensing and Sensor Data Fusion, Intelligent Sensors, Intelligent Motion Control, Service Robots

Intelligent Signal Processing

Intelligent Transportation Systems: Navigation Systems, On-board Systems, Real-time Traffic Control

Man-Machine Systems: Human Computer Interaction, Multimedia Communications, Advanced Computer Graphics, Virtual Reality

Ontologies and Semantic Engineering: Ontology, Thesaurus, Disambiguation, Semantic Inference, Natural Language Interaction

Systems Engineering: Systems Analysis, Systems Methodology, Self-Organizing Systems, Systems Integration, Large Scale Systems, Systems Simulation, Diagnosis and Performance Monitoring

Submission of Papers

The working language of the conference is **English**. Prospective authors are invited to submit full papers.

Paper Acceptance

Each accepted paper has to be presented by one of the authors at the conference and must be accompanied with a registration fee.

<http://www.ines-conf.org>

INES Series Life Secretary General

Anikó Szakál

Óbuda University, Budapest, Hungary

E-mail: szakal@uni-obuda.hu