

Call For Papers, SIMS2016, Riga, Latvia, 1 – 3 June 2016.

2nd International Conference on

Systems Informatics, Modelling and Simulation, SIMS2016

Apologies if you receive multiple copies of this CFP.

Submission Final Deadline is: 1 May 2016.

Conference website: <http://sims2016.info>

Papers are invited on any aspect of the development of concepts, principles, architectures and algorithms in informatics for systems and their modelling, simulation and applications in all areas relevant to system engineering, control, mathematics, science, technology, business, management and industry, to be presented at SIMS2016. The event provides authors with an outstanding opportunity for networking and presenting their work at a top quality IEEE-published international conference.

Proceedings to be published by the IEEE Computer Society Conference Publication Services, CPS, and submitted to IEEE online Computer Society Digital Library (CSDL), IEEE Xplore and all other indices, to give your name, your research and your university unparalleled presence on the internet for all global scientific scholars to view and admire your work!

Tracks/Themes

- Intelligent and hybrid intelligent Systems
- Neural Networks
- Informatics Applications to Intelligent Systems
- Mathematical Robotics
- Fuzzy Systems
- Evolutionary Computation
- Autonomous Mental Development
- Adaptive Dynamic Programming and Reinforcement Learning
- Bioinformatics and Bioengineering
- Computational Finance and Economics
- Data Mining
- Games, Virtual Reality and Visualization
- Emergent Technologies
- Intelligent Systems Applications
- Computational Intelligence
- Soft Computing and Hybrid Soft Computing
- Systems Intelligence
- Intelligence Systems
- Control of Intelligent Systems
- e-Science and e-Systems
- Robotics, Cybernetics, Engineering, Manufacturing and Control
- Methodologies, Tools and Operations Research
- Bio-informatics and Bio-Medical Simulation
- Discrete Event and Real Time Systems
- Image, Speech and Signal Processing
- Industry, Business and Management
- Human Factors and Social Issues
- Energy, Power Generation and Distribution
- Transport, Logistics, Harbour, Shipping and Marine Simulation

- Supply Chain Management
- Parallel and Distributed Architectures and Systems
- Internet Modelling, Semantic Web and Ontologies
- Mobile/Ad hoc wireless networks, mobicast, sensor placement, target tracking
- Performance Engineering of Computer & Communication Systems
- Circuits, Sensors and Devices

The conference will focus on all aspects of the interaction between informatics and systems, particularly systems exhibiting intelligent behaviour and characteristics, their modelling using mathematical, symbolic and analytical techniques, and their computer simulation. Applications in all branches of engineering, remote sensing and wireless technologies are especially welcome.

Papers presenting work validated by experimentation, simulation or analysis with application and practical focus from both industry and academy, duly documenting lessons learnt from test-beds, field trials or real deployments are particularly welcome. Manuscripts must be submitted electronically through the EDAS system at <http://edas.info>.

Topics may include, but not limited to:

- applications in industry, business and management
- algorithms, methods and their applications
- methodologies and tools
- energy, power generation and distribution
- distributed systems and networks
- geographical information systems (GIS)
- environment and health
- education and training
- bio-informatics, biology, medicine, public health
- remote sensing applications & technologies
- robotics, fuzzy modelling, control and automation
- software agents and agent based simulation
- knowledge and data mining
- neural networks and evolutionary computation
- swarm intelligence & technology
- architectures of intelligent systems
- image, speech and signal processing
- internet modelling, semantic web and ontologies
- business, management, finance, economics, global meltdown
- leisure, games, war/conflict/rebellion modelling
- psychology, cognitive functions, behaviour, emotion, subjectivity
- humanities, literature, semantics modelling/dynamics
- energy, power generation and distribution
- manufacturing, planning, control, robotics, measurement, monitoring
- safety critical systems
- transportation
- structural mechanics and civil engineering, oil and gas;
- education and training, military applications.

You are invited to submit:

- full paper of up to 6 pages (Letter) for oral presentation, see template on website

Submissions must be original, unpublished work containing new and interesting results that demonstrate current research in all areas of intelligent systems modelling and simulation and their applications in science, technology, business and commerce. Papers will be submitted to appear online in IEEE Computer Society Digital Library (CSDL), in IEEE Xplore and all other indices.

The conference is jointly organised by UK Simulation Society and Asia Modelling and Simulation Section and is Technically Co-Sponsored by the IEEE Latvia Section. Patrons, promoters and supporters of SIMS2016 include:

- Riga Technical University
- Nottingham Trent University
- University of Malaysia in Pahang
- University of Malaysia In Sabah
- University of Malaysia in Perlis
- EUROSIM
- European Council for Modelling & Simulation
- Society for Computer Simulation Int. (SCS)

Paper Submission: SIMS2016 is using EDAS for submission, paper processing and registration, authors need to:

- create, unless you already have an existing, account with EDAS: <http://edas.info>
- open the list of conferences managed by EDAS & find SIMS2016
- click on Submit button on the right to enter your paper title & abstract
- upload file.

Kindly promote SIMS2016 to all your contacts in your university, country and worldwide. Riga is a wonderful ancient city to visit and Latvia is a fascinating country to explore. SIMS2016 is promising to be a world premier event on the vital combination and interaction between systems informatics and mathematical modelling and computer simulation and offers an excellent opportunity to network with world specialists and forge new friendships and cooperation with colleagues in Europe, Asia and worldwide.

Selected papers will be submitted for publication in the International Journal of Simulation: Systems, Science & Technology, IJSSST: <http://ijssst.info>, International Journal of Electrical Engineering and Informatics, IJEEI <http://www.ijeei.org>, and International Journal of Advances in Soft Computing and Its Application, IJASCA s <http://www.i-csrs.org/ijasca/index.html>

Best regards and hope to see you 1 – 3 June 2016, Riga, Latvia!!

On behalf of SIMS2016 conference committee.