



ICSEng 2023

30th INTERNATIONAL CONFERENCE ON SYSTEMS ENGINEERING LAS VEGAS, USA, AUGUST 22-24, 2023

Papers due:

Final extension: May 12, 2023

Notification of acceptance:

May 18, 2023

Camera-ready papers:

June 2, 2023

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This series of Systems Engineering International Conferences is jointly organized on a rotational basis among multiple institutions: University of Nevada, Las Vegas, USA; Wroclaw University of Technology, Poland; Toyo University, Tokyo, Japan. In August 2023, the 30th International Conference on Systems Engineering will be held in Las Vegas, NV, USA, at the University of Nevada, Las Vegas, USA. Accepted papers will be published in the **Springer** series **Lecture Notes in Networks and Systems** and will be indexed by **ISI Web of Science Proceedings**, **DBLP**, **SCOPUS**, **Google Scholar**, and **Springerlink**. Selected papers will be published in the International Journal of Electronics and Telecommunications.

Scope of Conference:

The Conference will cover the general area of Systems Engineering, with particular emphasis being placed on applications. It is expected to include sessions on the following themes:

- Machine Learning / AI
- BigData (Data Mining, Data Warehouses, Sensor Networks, Data Classification, Regression)
- Intelligent Systems (Expert Systems, Artificial Intelligence, Neural Network, Fuzzy, Optimization Techniques, Hybrid Systems, Applications)
- Internet of Things (Consumer IoT, Smart Cities, Agriculture, Industrial IoT)
- Cybersecurity in Networks, IoT, Physical Systems and other areas
- Distributed Computer and Computer Networks Systems (Distributed and Wireless Systems, Distributed Servers, Parallel and Distributed Systems, Networks)
- Cloud Computing (CC Cybersecurity, Design, Applications)
- Information and Communication Systems (Information and Communication Theory, Geographic Information Systems, Global Position Systems, Applications)
- Analog and Digital Hardware Systems (Real-time Systems / RTOS, Embedded Systems, Hybrid Embedded Systems, Mixed Signal Designs)
- Industrial Automation and Robotics (including IIoT)
- BioEngineering (sensors, integration, data analysis, verification techniques)
- BioSurveillance Systems (heterogeneous data sources, monitoring techniques, signal detection alg, privacy protection)
- Control Systems (Control Theory, System Identification and Adaptive Control, Nonlinear Controls, Applications)
- Uncertain Systems
- Aero-Space Systems (Avionics, Unmanned Aerial Vehicles, Aviation Control)
- Systems Engineering Standards, Modeling, Paradigms, Metrics, Testing, Management, Optimization, Simulation, Scheduling, Reliability and Fault Tolerant
- Systems Engineering Education
- Computer Assisted Medical Diagnostic Systems (single and multiple modality medical data analysis, expert systems, prompting systems, databases, performance evaluation)
- Power Systems (Renewable Energy, Environmental Systems, Smart Grids, Renewable Energy, Nuclear Energy)
- Gaming and Entertainment Systems (Algorithms (including randomization), Security, Design)
- Environmental Systems
- Covid19 related solutions

Special Sessions:

SS1: 5G - Research, Applications, Perspectives (5G-RAP): Dr. Andrzej Beben, Dr. Lukasz Falas, Dr. Patryk Schauer

SS2: Intelligent systems for a sustainable era (ISSE): Dr. Stella Morris, Prof. B. Venkatesh, Prof. A. Fathima

SS3 Post-Quantum Cryptography: Dr. Grzegorz Borowik

SS4: Impact of Computational Intelligence: Dr. Grzegorz Borowik

SS5: Blockchain-based Systems: Dr. Issam Al-Azzoni

SS6: Technology of Media Communication and Data Science (ICSEng-TMCD): Dr. Takayuki Fujimoto

SS7: Young Researcher Session (ICSEng-YOURS): Prof. Taishi Nemoto, Ms. Nanami Kuwahara

SS8: Deep Video Analytics and Big Visual Data: Computational Models, Algorithms and Applications: Dr. A. Vadivel

SS9: Explainable Artificial Intelligence (XAI) in Healthcare: Dr. Thirumurugan Shanmugam

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