



Call for Papers

Special Session on Advances in Smart Connected Systems

In conjunction with the

21st IEEE International Conference on Dependable, Autonomic & Secure Computing (DASC 2023)

With the progress of increasingly advanced intelligent technologies, we are stepping into a new era characterized by a connected world of smartness through Smart Connected Systems (SCS). These systems, considered as the next generation of cyber-physical systems (CPS) and Internet of Things (IoT), possess the ability to interact with humans and their surroundings by integrating embedded sensing, communication devices, networked data processing, and physical infrastructure. CPS/IoT enables intelligent decision-making by utilizing data from physical objects and virtual components, optimizing efficiency, comfort, safety, and security. SCS have been successfully implemented and advanced across various domains, including smart vehicle systems, smart transportation systems, smart manufacturing systems, smart agriculture systems, smart retail, smart water management, smart cities and smart home applications, smart health systems, and smart energy systems. The aim of this special session is to establish a venue for scientists and engineers from academia, government, and industry to present and discuss the latest advances and technologies on smart connected systems. The scope of this proposed special session is study and address computational intelligent technologies used in the smart connected systems in various applications, as well as a wide range of related issues from machine learning, deep learning, AI, and cybersecurity in the following list of topics:

- Machine learning and deep learning techniques for smart connected systems
- Artificial Intelligence (AI) applications in smart connected systems
- Cybersecurity measures and challenges in smart connected systems
- Embedded sensing technologies for smart connected systems
- Communication devices and protocols in smart connected systems
- Networked data processing and data analytics in smart connected systems
- Physical infrastructure and its integration in smart connected systems
- Smart vehicle systems and their advancements
- Smart transportation systems and their enhancements
- Smart manufacturing systems and their innovations
- Smart cities and smart home applications and their implementations
- Smart retail systems and their advances
- Smart agriculture systems and their developments
- Smart health systems and their progress
- Smart energy systems and their advancements
- Smart water management systems and their progress
- Emerging techniques in smart connected systems
- New benchmark datasets for smart connected systems
- Other applications of smart connected systems and their implementations

You are invited to submit a 4-6 pages original paper according to the DASC 2023 submission policy using the conference website. This special session will be held in the 21st IEEE DASC 2023, Nov 14 - 17, Abu Dhabi, UAE. All manuscripts should be prepared using the IEEE conference proceeding template. All papers accepted in this special session will be included in the DASC 2023 conference proceedings published by IEEE. All submissions need to be submitted through the EasyChair using the link: (<https://easychair.org/conferences/?conf=dascpicomcbdcomcyber0>).

Important Dates

Paper Submission: ~~July 15, 2023~~ **Aug 15, 2023**
Author Notification: **September 15, 2023**
Camera-ready Submission: **September 30, 2023**

Program Chairs

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Conference Website: <https://icnetlab.org/cyber-science2023/dasc/index.html>