

Accepted Special Session

Code: 5dn1u

Title

Context Awareness in Connected Society & Systems

Category

Systems Science & Engineering

Main Proposer / Co-proposers

Provide complete address/affiliation, phone, email and biography.

The main proposer will be the primary contact person to whom all correspondence will be sent.

Prof. Marie-Hélène Abel, University of Technology of Compiègne France, +33344234950, marie-helene.abel@utc.fr

Prof Nada Matta, Univestity of Technology of Troyes France, +33607340389, nada.matta@utt.fr

Prof. Alessandro Victorino, University of Technology of Compiègne France, +3344234504, alessandro.victorino@utc.fr

Prof. Giancarlo Fortino, Università di Calabria, Italy, +39.0984.494063, giancarlo.fortino@unical.it

Proposers' Membership

IEEE and SMC society members

Prof. Marie-Hélène Abel, University of Technology of Compiègne France

Prof Nada Matta, Univestity of Technology of Troyes France

Prof. Alessandro Victorino, University of Technology of Compiègne France

Prof. Giancarlo Fortino, Università di Calabria, Italy

Number of Expected Paper Submissions:

6 or more

Keywords

Cooperative Systems and Control

Decision Support Systems

Distributed Intelligent Systems

Enterprise Information Systems

Intelligent Transportation Systems

Manufacturing Automation and Systems

Modeling of Autonomous Systems

Robotic Systems

Service Systems and Organizations

System Modeling and Control

Brief Description and Justification (200-250 words):

Provide a brief description of the proposed Special Session with justification of significance to the SMC community.

At the era of Information and Communication Technology, everybody is connected and asked to manage interactions among people, between people and artificial systems, and among systems themselves in context awareness of their environment and operational situations. Context awareness refers, in information and

communication technologies, to a capability to take into account the situation of entities, which may be users or devices, but are not limited to those. This special session takes place in the 4.0 world and deals with the problems related to the use of different devices, applications and digital documents taking into account context awareness. The goal of the Special Session is to provide a forum for researchers and practitioners involved in different and complementary domains to confront research results and discuss key problems.

The major topics of interest of this special session include, but are not limited to:

- Software Design and System Integration*
- Human Factors in Systems*
- Knowledge Engineering and Management*
- Cooperation and Organization*
- Interactions in Cyber Physical System*
- System of Systems*
- Recommender System/Context-Aware Recommender System/Decision Support Systems*
- Human Machine Interaction (assistance or representation)*
- Human Robot Interaction*
- Robotics and Automation*

Applications in several domains like Health, Crisis Management, Manufacturing, Logistics, Smart Mobility or Systems are welcome.