

The International Multi-Conference on Systems, Signals and Devices

(SSD-2021)

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Special Session On

Systems Engineering: Theoretical Foundation, Design Methodologies and Applications

Organized by

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Call for Papers for Special Session

This special session addresses system engineering issues theoretical foundations, design methodologies and applications.

The [IEEE Systems Council](#) and [IEEE SMC](#) facilitates interactions among communities of interest on system-level problems and applications. System-level thinking is essential in the world today, not only for technical systems, but also for society at large. The Council addresses the discipline of systems engineering, including theory, technology, methodology, and applications of complex systems, system-of-systems, and integrated systems of national and global significance. This session is in line with IEEE Systems Council strategies.

Topics of interest include, but are not limited to:

- Systems Engineering
- Engineering Systems-of-Systems
- Systems Architecture
- Complex Systems
- Modeling & Simulation
- Model-Based Systems Engineering (MBSE, MBSA)
- Systems Engineering Education & Theory
- Systems Integration & Verification »
- Decision-making for Complex Systems »
- Autonomous Systems
- Large-Scale Systems Integration
- Energy Management and Sustainability, including Renewable Energy
- System Formal Modelling and verification

Technical sponsors (if any): ATIS , AFIS France (*pending*), IEEE Systems Council (*pending*)

Contact: the email/emails of organisers to be contacted in case of any further information required by the eventual authors

▪ **Short biography of the Special session Organizers (photo, name, email, and short Presentation of the organizer)**



Omar Hammami

Omar Hammami is Professor with Institut Polytechnique de Paris (www.ip-paris.fr) and ENSTA Paris (www.ensta-paris.fr) since 2000. Prior to that he was Associate Professor with the University of Aizu Japan from 1993 to 2000 and Head of the Performance Evaluation Laboratory. From 1991 to 1993 he was Assistant Professor with ENSEEIHT, Toulouse and contributed to teaching in INSA Toulouse and ENSICA Toulouse. Prof.Omar Hammami received a HDR in Physics from University Paris-Sud (Orsay), France and Phd in Computer science from University Paul Sabatier, Toulouse, France. Omar Hammami have been involved in numerous research projects both in Japan and France bith with academia and industry and is an evaluation expert for ANR France and numerous international organizations. Omar Hammami is Vice-Président of [AFIS](#) [INCOSE](#) France Chapter. hammami@ensta.fr



Adel Kallala

Adel Kallala received the MS degree in Electronics from Paul Sabatier University of Toulouse, France, in 1991, the PhD degree in Electronics from INSA Toulouse in 1994. He is also a graduate of, the National Defense Institute of Tunisia in 2008, and the Leadership Institute of the Tunisian National School of Administration in 2017. He joined the Preparatory Institute for Engineering Studies of Monastir in 1995, then the Preparatory Institute for Engineering Studies of Tunis in 1996. In 2002, he joined the military higher education. Adel Kallala is currently Professor at Tunisia Naval Academy, and member of Microelectronics and Instrumentation Laboratory of the Faculty of Sciences of Monastir. His research interests include microelectronics devices, microsystems and space programs. He has held several positions of responsibility within the Ministry of National Defense (2003-2018): Department Director and Director of University Education in military higher education establishments, Head of Mission at the Cabinet of the Minister in charge of the military higher education and scientific research and Director General of the Military Research Center. He is a founding member and President of the Tunisian Association on Systems Engineering (ATIS), and as such promotes Systems Engineering in Tunisia. **Email:** adel.kallala@gmail.com

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