



WELCOME
April 18-22, Porto, Portugal

NexComm
2021

ICDT, SPACOMM, ICN, ICONS, MMEDIA, PESARO, CTRQ, ALLDATA, SOFTENG

WELCOME

Enjoy permanent free access to the .pdf presentations and/or pre-recorded videos along with their corresponding papers.

MANY THANKS FOR YOUR HARD WORK

Tough times ask for tough scientists and here you are. Authors, Chairs, Reviewers, Logistics acted exemplarily for putting together an exceptional program.

KEYNOTES, TUTORIALS

5 KEYNOTES

- Prof. Dr. Gerrit Müller TNO in Eindhoven, the Netherlands & University of South-Eastern Norway in Kongsberg (USN), Norway
- Timothy Pham, Chief Deep Space Network System Engineer, Jet Propulsion Laboratory - California Institute of Technology, USA
- Tomas Schweigert, European Qualification and Certification Association (ECQA) Expleo, Germany
- Prof. Dr. Chung-Ta King, National Tsing Hua University, 台灣
- Prof. Dr. Stan McClellan, Texas State University, USA
Andres Carvallo, Founder and CEO, CMG Consulting LLC, USA

4 TUTORIALS

- Prof. Dr. Tugkan Tuglular, Izmir Institute of Technology, Turkey
- Prof. Dr. Bilal Al Momani, Mohawk College of Applied Arts and Technology, Canada
- R. Page Heller, CEO of Endpoint Security Inc., USA
- Dr. Ramakrishnan Raman, Honeywell Technology Solutions, India

PANELS, SPECIAL TRACKS

2 PANELS

- **Communications beyond the Thinking (Chair: Timothy Pham. JPL/NASA)**
- **The Eco-System of Data and Software (Chair: Prof. Dr. Yoshihisa Udagawa)**

3 SPECIAL TRACKS

- **AMAIN 2021: Applications of Machine Learning / Artificial Intelligence in Modern Networks**
Chair and Coordinator: Prof. Dr. Stan McClellan, Texas State University, USA
- **WiSEB 2021: Widening Systems Engineering Borders**
Chair: Giulio Telleschi, MBDA, Italy
Coordinator: Matteo Fasano, MBDA, Italy
- **AI4SysSoS: Challenges for Artificial Intelligence-Machine Learning in Complex Systems and Systems of Systems**
Chair: Dr. Ramakrishnan Raman, Honeywell Technology Solutions, India
Coordinator: Dr. Ali K Raz, George Mason University, USA

SPECIAL THANKS for supporting PERMANENT FREE ACCESS

A special thank you note to ALL contributors

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The only operational support comes from registration fees.

This generous and ethically fair knowledge sharing model cannot survive a pandemic without true believers in free access to knowledge and information, which is IARIA's philosophy.

Thank you to all outstanding scientists contributing to NexComm 2021 program!

For 2021, all events will be held in a hybrid mode with 5 options: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides).

We hope for better times allowing us to return to the traditional on-site scientific events. However, we are ready to adapt to any unexpected circumstances.

Hoping that 2022 will be a more agreeable year!

Special and Regular Contributions

Despite the ups/downs of the virus, early submissions were more enthusiastic as everyone was hoping that the fall season will find us safe, but also virus-free. We wish this were the case and everyone could have attended in person and enjoyed the event. We are optimistic about the future and estimate that by the fall of 2021 we will gradually start coming to normal.

For *NexComm 2021 Congress*, despite the pandemic, but thankfully to our scientific contributors and helpers, about 130 contributions submitted, around 45 were accepted and registered (some, with a few rounds of cross-validations); the decreased number was due to travel bans, corporate/university regulations, precaution, as well as overwhelming online teaching duties.

Hoping for better with *NexComm 2022*.
Be Safe and Stay Healthy!

Chairs
Logistics
April 18. 2021