Call for Papers

International Conference on Military Communications and Information Systems ICMCIS 2022
Udine, Italy, May 17-18, 2022

Topics

- Cybersecurity for Military Networks
- Information assurance and cyber defence
- Security in 5G (6G) Military Communications
- AI-based applications for Command and Control
- CIS Concepts and solutions
- Human Factors Concepts in Military CIS Systems
- Security in Hybrid Tactical Networks
- Mixed Reality for Tactical Decision Making
- Acoustic source localization in UAV security applications
- Electromagnetic Environment Situational Awareness
- Security in wireless technology
- Quantum Computing for Military Applications
- Intelligence, Surveillance and Reconnaissance Solutions
- Cyber-Social Information Environment
- Cognitive Warfare

ICMCIS is an international conference with over 20-years of tradition. The aim of the conference is to create a forum for useful contacts and exchange of ideas on development as well as implementation of advanced communications and information systems (CIS) technologies into military systems. The conference gives a unique opportunity to discuss different points of view and share experience with colleagues from NATO Nations, international organizations and Research Centres. The conference scope includes all topics related to enhancing capabilities of Military CIS. In 2022, the conference will have a particular focus on the Cybersecurity theme ranging from network protection to application of Artificial Intelligence (AI) and Machine Learning (ML) methods to predict and detect network attacks. Authors are invited to submit papers addressing challenges related to this theme, or other important Military CIS topics.

Since 2012 the conference has been supported by the IEEE, with all accepted papers published in IEEE eXplore. It is expected that this support will continue for ICMCIS 2022. Also that, as in past years, papers will continue to be indexed in the Web Science Core Collection.

Special Session

This year ICMCIS 2022 will include a special session on the application of AI & ML techniques for Cybersecurity, especially in the military domain. AI & ML are technologies that have the potential to discover anomalies and unusual behaviours in network activities. Participants are challenged to present intelligent detection algorithms that can automatically classify possible attacks, focusing on both supervised and unsupervised approaches. Further details are available on the ICMCIS.eu web site.

Programme Committee

Chair
Gian Luca FORESTI, *University of Udine, Dept. of Mathematics, Computer Science and Physics*
gianluca.foresti@uniud.it

Vice-chair
TBD

Steering Committee

Chair
Peter LENK, *NATO Communications and Information Agency*

Vice-Chairs
Loren DIEDRICHSEN, *USA*
Jürgen GROSCHE, *Germany*
Dag WILHELMSEN, *Norway*

Important Dates

Paper submission	**15 February 2022**
Notification of acceptance	**25 March 2022**
Camera ready copy	**15 April 2022**

Point of Contact

MS Cristina MELILLA, *University of Udine, Dept. of Mathematics, Computer Science and Physic*
cristina.melilla@uniud.it

Supported by

Organized by

Segretariato Generale della Difesa, Italy

S&T organization
NATO Science & Technology Organization

NASK
National Research Institute, Poland

UNIVERSITÀ DEGLI STUDI DI UDINE

NCI AGENCY
NATO Communications and Information Agency

www.icmcis.eu