

GEOSPATIAL, HYDROMETEOROLOGICAL AND GNSS CONFERENCE

17 - 19 October 2018, Prague, Czech Republic

Specialized Partners:



The Conference will focus on the following topics:

Discussion Forum/PLENARY – Topics at Strategic Level

- UNDERSTANDING OF ENVIRONMENTAL AND TECHNOLOGICAL RISKS
- CIVIL-MILITARY COOPERATION TO IMPROVE DISASTER PREPAREDNESS AND PREVENTION
- SENDAI FRAMEWORK DISASTER RISK REDUCTION (2015 - 2030)

THEMATIC SESSIONS – Topics at Operational Level

Geospatial Support in Crisis Management

- Spatial Data Infrastructure
- Analogue and Digital Geospatial Information and Data Quality Management
- Distribution of Geospatial Products
- Geospatial Web Services and Web Processing Services (Recognized Environmental Picture)
- Geoportals and Geospatial Databases
- Remote Sensing, Image-based Analysis
- Tailored Geospatial Products
- Geographic Information Systems, 3D Modeling, Analysis and Visualization
- Mobile Assets and Available Geo Capabilities

Hydrometeorological Support in Crisis Management

- Understanding of Meteorological Impacts and Potential Risks
- Extreme Weather Impacts, Risks to Critical Infrastructure
- Advances in Modelling and Forecasting (“Cascading Seamless Prediction System”)
- In Situ Observations as Irreplaceable Information
- Remote Sensing and New Technologies
- Dissemination and Interpretation of Information
- Transferring a Message to the Public - Presentation of Warnings in Media
- Organizational Aspects of Early Warning Systems
- Civil-Military Cooperation to Improve Disaster Preparedness and Prevention
- Sendai Framework Disaster Risk Reduction

GNSS (Global Navigation Satellite Systems) in Crisis Management

- Importance of GNSS Today and in the Future
- GNSS Vulnerabilities and Potential Threats to Users
- GALILEO PRS – Forthcoming GNSS Solution for Emergency Services and Defence Forces
- Multiple GNSS Solutions
- GNSS Based Applications for Crisis Management
- GNSS Based Applications for Safety Situation Awareness
- GNSS Correction Services



Chairman:
COL (GS) Jan Círek
Chief of Hydrometeorological Service,
General Staff, Armed Forces,
CZE

Preamble:

The international GEOMETOC (Geography, Hydrology, Meteorology and Global Navigation Satellite Systems) Conference as a part of the FUTURE FORCES FORUM 2018 built its important position on the success of the FFF 2016 event, where it proved to be a modern civil-military cooperation (CIVMIL) domain providing extensive positive results in the respective areas.

The aim of the 2018 edition is to open discussion in topics related to the GEOMETOC contribution to activities which are carried out before, during and after environmental and technological threats and crisis. Particularly CIVMIL cooperation in the risk prevention and preparedness is nowadays a field with great potential for massive and fast technological development. Moreover, the boom in new mobile technologies and devices with permanent and fast World Wide Web connectivity brings changes in the ways of organizing and provision of GEOMETOC support. Furthermore, the conference promotes the importance of natural and man-made risk understanding, assessment and management including threats and crisis in conflict zones.

Global Navigation Satellite Systems (GNSS) as a technology with powerful capabilities related to the positioning, navigation and time information became crucial for situational awareness. The effective response of rescue and emergency services as well as defense forces requires implementation and use robust GNSS solutions with the highest integrity and continuity of service. An adoption of appropriate measures to mitigate or eliminate potential risks and vulnerabilities becomes critical in relation to crisis management.

The GEOMETOC conference as a key component of the FFF 2018 has got an intention to address various audiences ranging from governmental representatives, as well as international organizations and civil service authorities and scale of businesses related or being in the role of a client.

Endorsed by:



General R&D Partner:



CONFERENCE PROGRAMME COMMITTEE



COL (GS) Jan Círek, Dipl. Eng.
Chief of Hydrometeorological Service, General Staff, Armed Forces, CZE
Chairman



LTC Jan Matula, Dipl. Eng.
Department of Military Geography and Hydrometeorology, General Staff, CZE
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Competent PRS Authority, National Cyber and Information Security Agency, CZE
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Honorary Chairman



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Chief of Geographic Service, General Staff, Armed Forces, CZE
Honorary Chairman

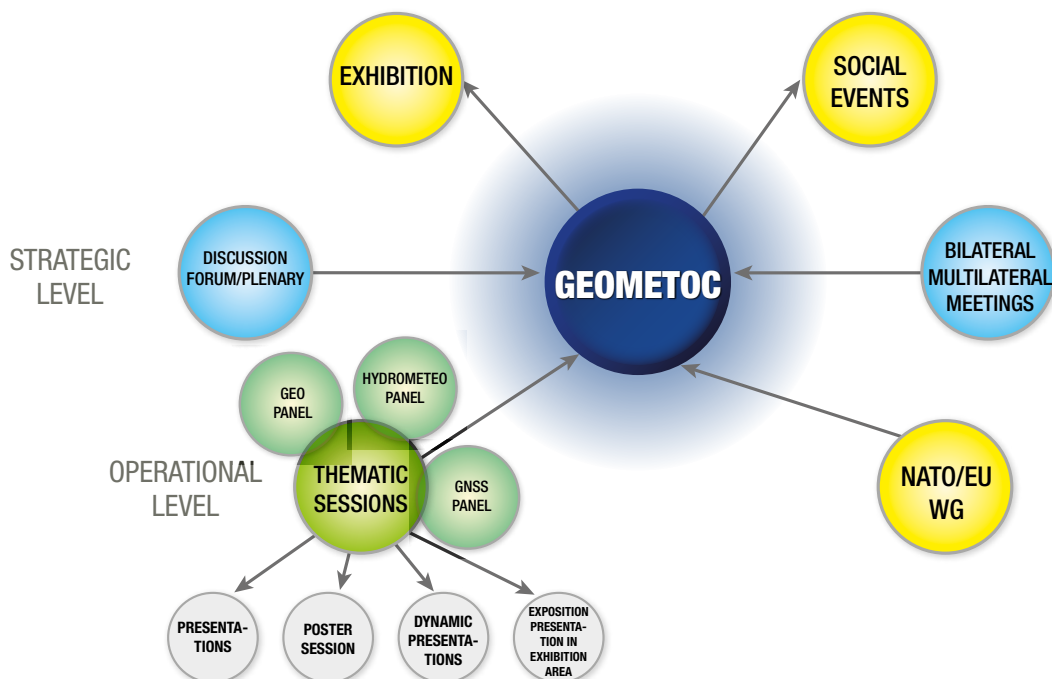


Mr. Mark Rieder, M.Sc.
Director of Czech Hydrometeorological Institute, CZE
Honorary Chairman

Members (in alphabetical order)

- Mr. Jiří Bednář, Dipl. Eng.** – Director, Department of Security and Crisis Management, Ministry of the Environment of the Czech Republic, CZE
Prof. Pavel Danihelka – Faculty of Safety Engineering, VSB – Technical university of Ostrava, CZE
Dr. Jan Daňhelka, Ph.D. – Deputy Director, Head of Hydrology Division, Czech Hydrometeorological Institute, CZE
Mr. Vítězslav Hezký, Dipl. Eng. – Director of Aeronautical Operations Division, Civil Aviation Authority, CZE
COL Daniel Miklos, Dipl. Eng., MPA – Deputy Director General, General Directorate of Fire Rescue Service, CZE
Mrs. Kateřina Nedbalová, Dipl. Eng. – International Organisation Unit Department of International Relations, Ministry of Environment, CZE
Mr. Karel Raděj, Dipl. Eng., Ph.D. – Director, Research Institute of Geodesy, Topography and Cartography, CZE
COL Ladislav Stahl – Ministry of Defence, CZE
Mrs. Olga Šuvarinová – Czech Hydrometeorological Institute, CZE
Mr. Ondřej Šváb, Dipl. Eng. – Head of Space Technologies and Applications Unit, Ministry of Transport, CZE
MAJ Markéta Tempířová – Ministry of Defence, CZE
Mr. Karel Vančura, Dipl. Eng. – Czech Hydrometeorological Institute, CZE
Mr. Tomáš Vedra, Dipl. Eng. – Deputy Competent PRS Authority, National Cyber and Information Security Agency, CZE

GEOSPATIAL, HYDROMETEOROLOGICAL AND GNSS CONFERENCE (GEOMETOC)



CONFERENCE

Date: 17 - 19 October 2018
Venue: PVA EXPO PRAHA, Beranových 667, Prague, Czech Republic
Type of Event: Non-Classified

Preliminary Programme

Day 1 Wednesday, 17 October 2018

10.00 - 13.15 Registration
13.30 - 14.00 **Conference Opening**
14.00 - 16.00 **Discussion Forum/Plenary**
Strategic Level Topics:

- **Understanding of Environmental and Technological Risks**
- **Civil-Military Cooperation to Improve Disaster Preparedness and Prevention**
- **Sendai Framework Disaster Risk Reduction (2015 - 2030)**

16.00 - 17.00 Future Forces Exhibition Tour

Day 2 Thursday, 18 October 2018

08.30 - 09.15 Registration
09.30 - 09.45 **2nd Conference Day Opening**
09.45 - 11.30 **Thematic Session: Geospatial Support in Crisis Management**
(Audio-visual Presentations, Interactive Presentations)
11.30 - 12.15 Poster Session
12.15 - 12.45 Lunch & Networking
12.45 - 13.30 Exposition Presentation in Exhibition Area
13.30 - 16.00 **Thematic Session: Hydrometeorological Support in Crisis Management**
(Audio-visual Presentations, Interactive Presentations)
16.00 - 17.00 Social Event for Speakers

Day 3 Friday, 19 October 2018

08.30 - 09.15 Registration
09.30 - 09.45 **3rd Conference Day Opening**
09.45 - 11.30 **Thematic Session: GNSS in Crisis Management**
(Audio-visual Presentations, Interactive Presentations)
11.30 - 16.00 Future Forces Exhibition Tour, Networking

Proceedings:

The Conference proceedings will be in English. All papers and reference documents will be accessible within 21 days after the Conference. Access to the FTP (File Transfer Protocol) site is included in the delegate registration.

CONTACTS



Contact for Participants
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Contact for Exhibition and Partnership
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Accommodation and Transportation
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OTHER IMPORTANT INFORMATION

Conditions for Participants

For on-line registration and more detailed information please visit
www.future-forces-forum.org

Speakers/Poster Presenters

Presentation – speech, live demo, poster within the Official Expert Programme

- GOVERNMENT, MILITARY, WAR VETERANS, POLICE, FIREFIGHTERS, PRISON SERVICE, CUSTOMS SERVICE, ACADEMIA, STUDENTS **FREE OF CHARGE**
- Industry Starting from **440 EUR**

Presentations are subject to availability and acceptance by the Programme Committee.

Prices exclude VAT.

Visitors

- GOVERNMENT, MILITARY, WAR VETERANS, POLICE, FIREFIGHTERS, PRISON SERVICE, CUSTOMS SERVICE, ACADEMIA, STUDENTS **FREE OF CHARGE**
- Industry Starting from **70 EUR**

All admission fees include VAT.

Partnership

- International and national governmental bodies **FREE OF CHARGE**
- Industry, Academia Starting from **2 000 EUR**

Prices exclude VAT.

Exhibition

- International and national governmental bodies **FREE OF CHARGE** (up to 12 sqm)
- Industry Starting from **2 500 EUR**
- Academia Starting from **2 000 EUR**

Prices exclude VAT.

Admission Policy

- Admission is limited to professional and business visitors only
- Business casual or service dress is required
- Visitors under 18 years will not be admitted to the exhibition and expert events
- Identity checks will be conducted as a condition of entry
- Badges are to be collected at the registration desk at PVA EXPO PRAHA, starting at 08.30
- Badges will only be issued to registered delegates

Important Dates/Deadlines

Abstract Submission Deadline	On an individual basis
Notification of Acceptance	In due time
Full Paper Submission	21 SEPTEMBER 2018
On-line Registration of Participants	30 SEPTEMBER 2018

Other Events Organized within the FUTURE FORCES FORUM 2018:

- Future Forces Exhibition
- Future Forces Individual Systems Congress - International Industry Day
- Integration of the Exoskeleton in the Battlefield Workshop
- World CBRN & Medical Congress
- Logistics Capability Conference
- Multi-domain Advanced Robotic Systems Conference
- MESAS 2018 - Modelling & Simulation for Autonomous Systems Conference
- WAMS 2018 - Workshop on Applied Modeling and Simulation
- BIOMETRICS Conference
- Future of Cyber Conference - Smart Cyber Defence Workshops & Live Hacking Zone

FUTURE FORCES FORUM

Keynote Speakers (in alphabetical order)



Prof. Pavel Danihelka
Faculty of Safety Engineering,
VSB - Technical University of
Ostrava, CZE



BG Pascal Legai
Director, European Union Satellite
Centre, EU



COL Daniel Miklós, Dipl. Eng., MPA
Deputy Director General for
Prevention and Civil Emergency
Preparedness, General Directorate of
Fire Rescue Service, CZE



Mr. Ivan Obrusnik, Dipl. Ing., DSc.
Chairman of the Czech National
Committee for Disaster Reduction,
CZE



Mr. Mark Rieder, M.Sc.
Director of Czech Hydrometeorological
Institute, CZE



Mr. Michael Staudinger
Director, Central Institute for
Meteorology and Geodynamics
(ZAMG), DEU

Supporting Organizations:

- Armed Forces of the Czech Republic
- Association of Research Organizations
- Customs Administration of the Czech Republic
- Czech Academy of Science
- Czech Technical University in Prague
- Defence and Security Industry Association of the Czech Republic
- European Defence Agency (EDA)
- Fire Rescue Service of the Czech Republic
- Military Police
- Ministry of Defence of the Czech Republic
- Ministry of the Environment of the Czech Republic
- Ministry of Foreign Affairs of the Czech Republic
- Ministry of Industry and Trade of the Czech Republic
- Military Office of the President of the Republic
- North Atlantic Treaty Organization (NATO)
 - NATO Science and Technology Organization
 - NATO Army Armaments Group (NAAG) Land Capability Group Dismounted Soldier Systems and its following Sub groups:
 - Combat Clothing, Individual Equipment and Protection Subgroup
 - Joint Non-lethal Weapons Capability Group
 - Power Team of Experts
 - Weapon & Sensor Subgroup
 - SG1 Small Arms Ammunition Interchangeability
 - C4I System Architecture
 - NATO Centres of Excellence
- Police Presidium of the Czech Republic
- Prison Service of the Czech Republic

Media Partners:

GeoConnexion, Geospatial World, GIScafé, GEOinformace, Zeměměřič (Land Surveyor), Vojenský geografický obzor (Military Geographical Horizon), Geodetický a kartografický obzor (Geodetic and Cartographic Horizon), Meteorologické zprávy (Weather Reports) **(for more details please visit www.future-forces-forum.org)**

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