

World CBRN & Medical Congress / Medical Workshop / CBRN Workshop

CEBIRAM poster presenters to be present:

19 OCT 12:45 - 13:15 / 20 OCT 09:00 - 09:15; 12:45 - 13:00 / 21 OCT 09:00 - 09:15

Medical WS poster presenters to be present:

20 OCT 12:15 - 12:45 / 21 OCT 08:45 - 09:15; 12:30 - 12:45

CBRN WS poster presenters to be present:

20 OCT 12:15 - 12:45 / 21 OCT 09:00 - 09:15; 12:30 - 12:45

Mass Spectrometry-Based Method for Detection and Identification of Highly Dangerous Protein Toxins in Environmental Samples

Ms. Alena MYSLIVCOVÁ-FUČIKOVÁ - Department of Molecular Pathology and Biology, Faculty of Military Health Sciences; University of Defense, CZE

Extracorporeal Membranous Oxygenation in Warfare

Mr. David MACKŮ - Czech Technical University in Prague, Department of Cybernetics, CZE

Co-author:

Mr. Pavel HEDVIČÁK - Motol University Hospital, Department of Cardiovascular Surgery, CZE

Czech Wound Management Association – its Role and Future Perspectives

Ms. Lenka VEVERKOVÁ - Czech Wound Management Association, CZE

Limiting the Sequelae of Hazardous Environmental Exposure: a Case for Collaboration of Oncology and Military Medicine

Mr. Tomáš BÜCHLER - Scientific Secretary, Czech Society for Oncology, CZE

Influence of Therapeutic Laser on Leucocytes in Gama-Irradiated Mice

Ms. Julia EFREMOVÁ - Czech Technical University in Prague, Faculty of Biomedical Engineering, CZE

The Safety at Work Involving the Manipulation with Unsealed Radioactive Sources

Ms. Jana HUDZIETZOVÁ - Faculty of Biomedical Engineering, Czech Technical University in Prague, CZE

Chiral Separation of Pharmaceuticals and New Synthetic Drugs on Chiral Ion Exchangers

Mr. Michal KOHOUT - Assistant professor, Department of Organic Chemistry, University of Chemistry and Technology, CZE

The Proposal of Software Solving for Soft Targets by Using Fuzzy Logic

Ms. Lucia ĎURICOVÁ - Doctoral Student and the Member in Project Resilience VI20152019049, SVK

Indirect Detection of 2-nitrotoluene Explosives Taggant on Chemiresistors

Mr. Martin VRŇATA - Faculty of Chemical Engineering, Department of Physics and Measurement, University of Chemical Technology Prague, CZE

Multi-Functional Sol-Gel Coatings

Mrs. Diana HORKAVCOVÁ - Assistant professor at Department of Glass and Ceramics, University of Chemical Technology Prague, CZE

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Rapid Immunochemical Tests for Anabolic Steroids and Synthetic Drugs

Prof. Oldřich LAPČÍK - Head of the Department of Natural Compounds, Faculty of Food and Biochemical Technology, University of Chemistry and Technology Prague, CZE

Examination of Forensic Evidence Contaminated by CBRNE

Mr. Tomáš DROPA - National Institute for NBC Protection, CZE

Co-authors:

Mr. Martin URBAN - National Institute for NBC Protection, CZE

Mr. Petr HLAVÍN, Mr. Pavel KOLÁŘ - Institute of Criminalistics Prague, CZE

Ammonium Nitrate Safe Governance Program Initiative in Georgia

Mrs. Tamar CHACHIBAIA - Head of Intergovernmental Agency for Ammonium Nitrate Safe Governance, GEO

Co-authors:

Mr. Manuel PASTOR - Scientific Responsible of the NMR Unit, University of Santiago de Compostela, ESP

Mr. Radovan FIALA - Head of Josef Dadok National NMR Centre, National Centre for Biomolecular Research & Central European Institute of Technology, Masaryk University, CZE

Performance Analysis of Possible Terrorists Attacks Using Unmanned Aerial Vehicles

LTC Marek HÜTTER - Ph.D student, Lecturer, Fire Rescue College, Fire Rescue Service of the Czech Republic, CZE

Co-author:

Mr. Radomír ŠČUREK - Faculty of Safety Engineering, VSB - Technical University of Ostrava, CZE

Geospatial, Hydrometeorological and GNSS Workshop (GEOMETOC)

Poster presenters to be present:

19 OCT 12:45 - 13:15 / 20 OCT 09:00 - 09:15; 12:20 - 12:40 / 21 OCT 08:45 - 09:15

Czech PRT in Logar Province

Mr. Petr KAVKA - Czech Technical University in Prague, CZE

The Modeling of the Terrain Passability of Military Vehicles

Mr. Martin BUREŠ - Student, Department of Military Geography and Meteorology, University of Defence, CZE

Co-authors:

Ms. Lucie ALMÁŠIOVÁ - Department of Military Geography and Meteorology, University of Defence, CZE

Ms. Marie BŘEŇOVÁ - Department of Military Geography and Meteorology, University of Defence, CZE

Mr. Filip DOHNAL - Department of Military Geography and Meteorology, University of Defence, CZE

Military Advanced Robotic Systems Conference (MARS)

Poster presenters to be present:

20 OCT 08:45 - 09:15; 13:00 - 13:15 / 21 OCT 08:45 - 09:15; 12:10 - 12:30

The Requirements for Future Military Robots Supporting Mobility

ZLT Michal KOPULETÝ - Engineer S-3 staff officer/153rd Engineer Battalion, Olomouc, CZE

Co-author:

CAPT Ota ROLENEC - Senior Lecturer, Department of Engineer Technology, Faculty of Military Technology, University of Defence, CZE

SCI-ET-022 - Novel Employments for Autonomous Military Systems (AMS)

Prof. Phil SUTTON - Visiting Professor of Science, Engineering & Technology Strategy, Department of Electrical & Electronic Engineering, Imperial College London, GBR

Mobile Robot for Extreme External Working Conditions

Prof. Petr NOVÁK - VŠB-Technical University Ostrava, Faculty of Mechanical Engineering, Department of Robotics, CZE

Co-authors:

Mr. Ján BABJAK, Mr. Tomáš KOT, Mr. Petr OLIVKA - VŠB-Technical University Ostrava, Faculty of Mechanical Engineering, Department of Robotics, CZE

Mr. Wojciech MOCZULSKI, Mr. Marek ADAMCZYK, Mr. Marcin JANUSZKA - Institute of Fundamentals of Machine Design, Silesian University of Technology Gliwice, POL

Using Virtual Reality to Assist an Operator of the Military Robotic Manipulator Arm TAROS

Mr. Tomáš KOT - VŠB-Technical University Ostrava, Faculty of Mechanical Engineering, Department of Robotics, CZE

Co-author:

Prof. Petr NOVÁK - VŠB-Technical University Ostrava, Faculty of Mechanical Engineering, Department of Robotics, CZE

Financial and Economic Aspects of the Use of Advanced Robotic Systems in Future Military Operations

Mr. Aleš OLEJNÍČEK - Head of the Section of Economics at the Department of Economics at the Faculty of Military Leadership, University of Defence, CZE

Future Soldier Systems Conference (FSSC)

Poster presenters to be present:

20 OCT 09:00 - 09:15; 12:50 - 13:10 / 21 OCT 09:00 - 09:15; 12:30 - 12:45

Portable Line Illumination Systems

Mrs. Dana KŘEMENÁKOVÁ - Dept. of Material Engineering, Textile Faculty, Technical University of Liberec, CZE

Thermal Insulation Layers for Extreme Cold Weather Conditions

Mr. Rajesh MISHRA - Dept. of Material Engineering, Textile Faculty, Technical University of Liberec, CZE

Textile Structures with Electromagnetic Shielding Ability

Ms. Veronika TUNÁKOVÁ - Dept. of Material Engineering, Faculty of Textile Engineering, Technical University of Liberec, CZE

Promesogenic Photosensitive Ligands for Magnetic Nanoparticles Modification

Ms. Anna PORYVAI - Ph.D. Student, University of Chemistry and Technology Prague, CZE

Low Bit-rate Coded Speech Intelligibility – Comparison of Laboratory Test Results and Results of Test with Parallel Task

Mr. Jan HOLUB- Faculty of Electrical Engineering, Head of Dept. of Measurement, Czech Technical University in Prague, CZE

Logistics Capability Workshop (LCWS)

Poster presenters to be present:

20 OCT 09:00 - 09:15; 12:30 - 12:45 / 21 OCT 09:00 - 09:15

Vanadium Flow Battery as Stationary Storage of Electricity

Mr. Jiří VRÁNA - PhD Student and Researcher, Faculty of Chemical Engineering; University of Chemistry and Technology, Prague, CZE

Electrochemistry for Independent Mobile Energy Supply and Water Disinfection

Mr. Martin PAIDAR - University of Chemistry and Technology, CZE

Co-author:

Prof. Karel BOUZEK - University of Chemistry and Technology, CZE

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