

INFORMATION ABOUT AUTHORS

Jan Bitta (1981)

Since 2005, lecturer at VSB – TU Ostrava, Faculty of Metallurgy and Material Engineering in the field of air quality protection, spatial phenomena modelling and geo-informatics.

Graduate of Charles University of Prague, Faculty of Mathematics and Physics in the field of Computational Mathematics (titled “MSc.”) and next in the field of Metallurgical Technology (titled “Ph.D.”). Ph.D. educational program was focused on the air quality impact of metallurgical as well as other industrial and non-industrial technologies.

Author publications are covering the field of the air quality protection and geo-informatics. He is an author or co-author of many native and foreign articles in scientific journals, conference papers or chapters in scientific books. Author also participated in number of international scientific projects.

Lenka Brehovska (1984)

Assistant professor of health and Social Faculty of the University of South Bohemia in České Budějovice. She specializes in issues of crisis management, critical infrastructure and protection of the population.

A graduate of the bachelor's programme of Applied radiobiology and toxicology at the University of South Bohemia in České Budějovice, Health and Social Faculty. A graduate of the master study program of Management of Technological Risks at the Tomas Bata University in Zlín. Doctoral studies at the University of Defence in the field of Protection of the population.

In her scientific and pedagogical work focuses on the crisis management, critical infrastructure, integrated rescue system and the protection of the population. She is as a team member of security research.

Mihail Cerececea (1985)

Cerececea Mihail, Lecturer at the Department of Security of Vital Activity, Technical University of Moldova. Born at 19 November 1985 in Chisinau. After graduating 9 grades in Theoretical Lyceum “Spiru Haret” in Chisinau continued studies in Military College “Stefan the Great” Suceava, Romania 2001-2005. In 2009 graduated Technical University of Moldova speciality “ Fire Engineering and Civil Protection”, first Master’s in Cadastre and Real Estate Development 2012, second Master’s in Fire Engineering and Civil Protection 2014. In 2014 began PhD studies in Building materials.

In 2009 began working as Assistant lecturer at the Department of Security of Vital Activity, in 2012 was advanced to lecturer at the same Department. Prepared courses in different fields like Civil Protection, Fire Safety and Occupational Health and Safety. In 2012 named as coordinator for Bachelor’s thesis. Member of external body in Occupational Health and Safety from 2013.

Every year participating with publication in Technical University Conference from 2008, in fields like Geographical Informational Systems, Civil Protection, Fire Safety and Occupational Health and Safety. Preparing courses for Fire extinguishing Technique, Chemical Protection, Civil Protection Organization.

Jakub Dlabka (1984)

The author is a graduate at Faculty of Safety Engineering VSB – TU Ostrava in the field of Safety planning (titled “Engineer”). Currently he works as a junior researcher in Laboratory for Risk Research and Management at Faculty of Safety Engineering (VSB – TU Ostrava), where he participates on various projects regarding Safety research problems. In 2015, the author is about to finish his Ph.D. studies in the field of Fire Safety and Industrial Safety, and complete his dissertation thesis titled "Evaluation of major hazard consequences in the framework of emergency planning", where he deals with evaluation and sensitivity analysis of various models that could be used as a tool for major accident hazard prevention. Author specializes in the field of modeling and simulation of physical phenomena, sensitivity analysis and uncertainty analysis.

Pavel Dobes (1978)

Author was graduated in the field of Environmental Engineering at VSB – TU Ostrava, Faculty of Mining and Geology (titled “Engineer” in 2001). His specialization on risk analysis and crisis management was further expanded on the study of Ph.D. educational program at VSB – TU Ostrava, Faculty of Safety Engineering in the field of Fire prevention and safety in the industry (titled Ph.D. in 2012).

In years 1999–2001 the author was an assistant researcher at the Energy Research centre (VSB – TU Ostrava). Since 2003 he was employed in Laboratory for research and management at Faculty of Safety Engineering as a R&D worker, and later as an academic at the Department of Civil Protection. Professional specialization extends from the initial long-term specialization in informatics and GIS up to risk analysis, industrial safety and analytical chemistry linked to measurements of chemicals in the environment.

Author specializes in national as well as international publications. He is an author or co-author of many native and foreign articles in scientific journals, conference papers or chapters in scientific books. Author also participated in number of international scientific projects.

Li Fang Lim (1992)

Graduated from the Department of Engineering Technology Nanayang Technological University, Faculty Mechanical Engineering. At present research is concerned with security.

Libor Foldyna (1962)

Graduated from the Department of Engineering Technology MEF Technical University in Ostrava and graduated from Department of Education of

FS PU Olomouc. In the years 1985-2005 he worked in the Army CR, where he was a member of the Crisis Staff of ACR and CR represent the committee NATO MCMG – ACEWEX. He works since 2005 as Assistant of Professor at the Faculty of Safety Engineering. He graduated from the Faculty of Safety Engineering and He completed doctoral studies here. His major interest is crisis management, civil protection, classified information, organizational structures of government and armed forces, training of workers in the field of public administration, local government and in the industrial sector. He is co-author of professional articles and author or co-author of professional script.

Stepan Kavan (1974)

A member of the Fire Rescue Service of South Bohemia. In the professional activities he is engaged in activities of fire protection units, cooperation of the integrated rescue system, civil protection and crisis management issues and training of rescuers and the general populations in preparing for emergencies. Graduate doctoral program Protection of Population, Faculty of Economics and Management, University of Defence, Brno, 2010.

Co-investigator of the three grant projects. Regularly publishes articles in professional journals in the Czech Republic and abroad, is the author of monographs and study texts. He actively participates in international conferences. Member of the Czech Association of Fire Officers and Security Consortium for Research Projects.

Jan Kyselak (1962)

He works at the University of Defence. He graduated in the branch of Military Building Structures from the Military Academy of Antonin Zapotocky in 1987 and was working at a regional headquarters of civil protection until 1994. From 1994 to 2004 he held various posts at the Military University of Ground Forces in Vyskov, where he was teaching in the areas of population protection and crisis management. Since 2004 he has been working as a senior assistant at the Department of Population Protection of the University of Defence, where he gained a doctoral degree in the branch of Population protection in 2009. His scientific and pedagogical work is focused on the areas of collective protection, humanitarian assistance, education in the area of population protection, etc. He has participated in many projects, e.g. PRINCIP – Explosive Analyzer based on the Microfluidic Principle in the Field Conditions; Laboratory of Security and Protection of Personnel, etc. He has published his scientific findings both in the Czech Republic and abroad. He is an author and co-author of a number of study texts, aids and scientific articles.

Ivan Masek (1949)

Member of the academic staff - Tomas Bata University in Zlín, Faculty of Logistics and Crisis Management in Uherské Hradiště, Institute for Population Protection. From 1992 to 2008 a member of the academic staff at the Brno

University of Technology, Faculty of Chemistry, Institute of Chemistry and Technology of Environmental Protection.

Graduate from Military Academy (VAAZ) in Brno, chemical engineering branch of study (1976); from 1990 to 1992 Military Academy in Brno, English language study; from 1989 to 1992 Slovak Technical University (SVŠT) in Bratislava, "Modern Instrumental Methods" distance learning postgraduate course; from 1985 to 1992 external research training at Military Academy (VAAZ) in Brno, candidate for technical sciences for the branch of study "Weapons of Mass Destruction and Protection against Them" in 2000 higher doctorate at Military Academy in Brno, branch of study: "State Defence Theory".

Author and co-author of dozens of publications at international conferences and in technical journals in the field of highly toxic chemicals and environmental protection, population protection, toxic waste dump, electronic waste recycling; author and co-author of 5 patents; currently, he deals with the issues of security and population protection, highly toxic chemicals, CBRN weapons and CBRN defence, individual and collective protection of personnel, crisis management and contingency planning. Founder of bachelor's study programme entitled "Population Protection".

Otakar Jiri Mika (1953)

Since September 1, 2014 he has been working at the Tomas Bata University in Zlín, the Faculty of Logistics and Crisis Management in Uherské Hradiště, the Institute for Population Protection. Here, he works as an assistant professor-associate professor and teaches the issues of population protection in the bachelor's study programme. He is a supervisor and opponent of bachelor's final projects of students. He works on various security projects. He has been teaching at universities for 20 years.

In 1977 he graduated from the Military Academy (VAAZ) in Brno in the branch of chemical engineering. Then, for nine years, he held military-professional positions in the 19th Motorized Rifle Division in Plzeň. On completion of the internal research assistantship (from 1986 to 1989) led by Professor Ing. Jiří Matoušek, DrSc. at the Military Academy (VAAZ) in Brno he earned a title of candidate of technical sciences (CSc.) in the branch of Protection against WMP on December 12, 1990. In 2013 he took a higher doctorate in the branch of Crisis Management and Criminal Science at the Police Academy of the Czech Republic. Population protection, chemical security, CBRN defence, CBRN terrorism and protection against it and other related branches fall into his specialization.

Since 2008 to the present, he has been an expert witness in the issues of impacts of severe chemical accidents. Since 2013 he has been a professionally qualified person for the field of radiation protection. He has published more than 350 technical articles and reports, out of which 26 titles are university textbooks in the Czech Republic and Slovakia. He has also published technical articles in 11 foreign countries. As a chief or a member of a team of authors he has worked on some projects aimed at security issues. Since 1998 he has been a member of the

Czech Chemical Society as well as a member of Civil Protection Union of the Czech Republic (since 2011).

Efim Olaru (1949)

Head of Departement “Security of Vital Activity” Tehnical University of Moldova, Associate Professor. Studies made in time after graduating grammar school continued studies in School of Trades in Balti 1965-1966, Industrial-Educational Tehnical School in Chisinau 1966-1970, Politehnical Institute in Chisinau. After this was enrolled in the Soviet army into construction detachment, named Deputy commander in tehnicl problems.

Profressional experience started from 1977 when began working as superior engineer, scientific codjuctor, superior lecturer at Departement of Labor and Environment Protection, associate professor at the same department. Beginning from 1995 the Head of Departement Labor and Environment Protection and Security of Vital Activity.

In 2004 organized new speciality for the first cicle (Bachelor’s) “ Fire Engineering and Civil Protection”. The next step was organizing ythe second cicle (Master’s) in 2012.

Along the time were made more then 20 courses for the students of this speciality, more then 15 practical manuals. Participated in elaboration of construction normative NCM A.08.02-2014 “Ocupational Health and Safety in Constructions” ad of Practical Code “The solutions for Ocupational Health and Safety in Constructions”. Member in international accreditation councils for PhD in 2007-2010 Bucharest. Expert in audit for international bodies for last 10 years.

Jana Rozsypalkova (1975)

She graduated from the Faculty of Education, Masaryk University in Brno, the Czech Republic in 1999, subjects English and Civics/Social Science. In 1997 she started teaching both subjects at various types of educational institutions. Since 2012 she has been working at the Language Training Centre of University of Defence where she teaches English for specific purposes (among others she focuses on terminology from the area of population protection and crisis management). Her main field of interest is implementation of information technology into the process of both teaching and testing. Her published papers deal with the area of population protection and electronic testing as a part of teaching English.

Zdenek Safarik (1960)

Tomas Bata University in Zlin, Faculty of Logistics and Crisis Management, Population Protection Institute. Lector. Highest Education: Comenius University in Bratislava, Natural Science Faculty, *Department of Animal Physiology and Ethology*, Bratislava. Dissertation Examination performed from a discipline Animal Physiology. Doctoral Dissertation Defence 07/07/2009 passed and obtained title PhD., 2009. Professional specialization: population protection, risk analysis and environment. He publishes in the effects of environmental risks to

the population, health status of the population and others. Present research project: Evaluation of the effectiveness of continuous deployment of ecological systems, transport of raw materials in industrial plants - the project "MOBILITY" Slovakia. Member of the Academic Senate of the faculty.

Radomir Scurek (1966)

An academic worker - Associate Professor of Safety and Fire Protection. The head of the Department of Security Services, Faculty of Safety Engineering, Technical University of Ostrava, the guarantor of the study programme Technical Safety of Persons and Property. Specialized in the safety of persons and property, enterprise protection, current security threats, criminology, the internal security of the state.

A graduate from the Technical University of Ostrava, Engineering and Electro-technical Faculty (1988 Ing.), Police Academy of the Czech Republic (1998 Bc.), University of Ostrava, Faculty of Arts (2006 Mgr.), Technical University of Ostrava (2006 Ph.D., 2009 Assoc.).

He has participated in several projects in security research, an author of numerous articles, 6 textbooks and a monograph. A member of the scientific council of the Security-juridical Faculty at the Police Academy of the Czech Republic, the scientific council of the Faculty of Safety Engineering, the field board of the Faculty of Engineering University of Zilina, and the field board of the Faculty of Safety Engineering; a member of the dean college, commission for engineering and doctoral degree studies of Slovak Technical University in Bratislava, Materialtechnology Faculty in Trnava and of numerous other committees.

Lyudmila Simeonova (1983)

She is a head of CBRN protection section at the Directorate General Fire Safety and Civil Protection, which is part of the Ministry of Interior. Her duties and responsibilities are: Emergency - planning drafting of national and international documents; Emergency preparedness – drafting training programs; Detection and identification of radiological agents and materials; and Gamma spectrometry analysis. She takes part in accidents with radioactive sources - a member of national emergency team. She also helps to prepare national operational procedures and is a NATO civil expert of consequence Management of radiological and nuclear incidents as well as a trainer of first responders for acting in case of CBRN accidents. She received her diploma at the Chemistry and Physics University in Sofia in 1993. She is a member of NBG Working Group.

Dusan Vicar (1953)

Researcher and educationalist experienced in performing academic positions and managing research teams when working on research projects. Currently, he executes the duties of the director of the Institute for Population Protection, Faculty of Logistics and Crisis Management, Tomas Bata University in Zlín.

Graduate from the Military Academy (VAAZ) in Brno, branch of chemical engineering (1977); from 1983 to 1988 external science education at the Military Academy (VAAZ) in Brno for the branch of “Operational and Combat Employment of Army Branches, Special Technical and Logistic Support”; in 1992 higher doctorate in the “Weapons and Protection against Them” branch of study at the Military University of the Ground Forces, Vyškov; in 2004 procedure for the appointment to a professorship in the branch of “Protection of Troops and Population” at the Military University of the Ground Forces, Vyškov.

He is a member of many branch and academic councils (including the Academic Council of the General Directorate, Fire Rescue Service of CR), a member of a work group in the field of education in “Security Branches”, a member of the editorial board of the journal entitled “The Science for Population Protection“ and a member of the Association of Fire and Security Engineering. Main researcher and co-researcher of two dozens of defence research projects and research plans for developing the organization, author of more than two hundreds of publications in specialized press, national and international conference papers in the field of chemical monitoring of compounds of military interest, decontamination and elimination of ecological disaster and decontamination effects. Over the last few years, he deals with the issues of population protection and crisis management.

Ondrej Zavila (1980)

Since 2007, lecturer at VSB – TU Ostrava, Faculty of Safety Engineering in the field of repressive fire protection, emergency survival and CFD numerical mathematical modelling.

Graduate of VSB – TU Ostrava, Faculty of Safety Engineering in the field of Techniques of Fire Safety and Industrial Safety (titled “Engineer”) and next in the field of Fire Safety and Industrial Safety (titled “Ph.D.”). Ph.D. educational program was focused on CFD numerical mathematical modelling of turbulent flow, heat transfer and pollutant motion in atmospheric boundary layer.

Author specializes in national as well as international publications covering the field of CFD numerical mathematical modelling. He is an author or co-author of many native and foreign articles in scientific journals, conference papers or chapters in scientific books. Author also participated in number of international scientific projects.