



“Gheorghe Asachi” Technical University of Iasi, Romania



EDITORIAL

NATURAL AND ANTHROPIC RISKS

SECOND INTERNATIONAL CONFERENCE ICNAR 2014 JUNE 4-7, BACAU, ROMANIA

Many natural processes or generated by human activity, which often turned into risks or disasters, recorded and analyzed especially in the second half of the 20th century, reveal the reality that often human interventions have contributed to the scale and intensity of the negative effects of these processes. The proficiency of science and technology is often exploited not only to anticipate and mitigate the consequences of rare extreme episodes, but also for decision making process of risks management.

In this context The Second International Conference on *Natural and Anthropic Risks* focused on increasing of the contribution of research, development and innovation for the understanding and scientific discussion of environmental risks, so as to offer the scientific support to risk-related groups and organizations more knowledge and improved technical-scientific tools, allowing them to afford more efficient solutions for risk management and mitigation.

The Second International Conference on *Natural and Anthropic Risks* was developed under the patronage of the *International Union of Geodesy & Geophysics*, the *European Geosciences Union*, with the financial support of the *Romanian National Authority for Scientific Research*, *L'Agence Universitaire de la Francophonie* and *Bacau City Council*. The conference was organized by three Romanian Universities: *Vasile Alecsandri University of Bacau*, *Gheorghe Asachi Tehnical University of Iasi*, together with *Gheorghe Ionescu Sisesti Romanian Academy of Agricultural and Forestry Sciences* and several European Academic Institution, such as: *Politechnic University of Turin, Italy*, *Angel Kankev University of Ruse, Bulgaria* and *Warsaw University of Technology, Poland*.

A number of 239 scientific papers were registered at the conference, in 9 sections, namely: *Risk from Earth and space environment*; *Risk from industrial activities*; *Environmental and health risk*; *Risk from agriculture activities*; *Business risk*; *Educational and social risk*; *Risk in IT&C*; *Risk-taking: literary, linguistic and communicative perspectives*; *Risk management*.

The international nature of the conference was emphasized by 61 papers, with international group of authors from universities and international research institutes, out of which 29 from Europe.

The theme of the conference was selected from different scientific areas, but related to the natural and anthropogenic risk, taking into account the national and international scientific collaborations of *Vasile Alecsandri University of Bacau* – the host of the Conference, and its accredited research and education domains.

During the 55 years of activity at *Vasile Alecsandri University of Bacau*, the series of scientific events, annually organized by the five Faculties evidenced both the research results and the collaborations with partners such as: universities, research institutes, economic, cultural and social institutions. The central area of Moldova, where *Vasile Alecsandri University of Bacau* is located has been internationally recognized even through these international conferences. On these occasions, new local, national and international collaborations have been developed.

Over the years, *Vasile Alecsandri University of Bacau* has collaborated and worked with *Gheorghe*

Asachi Technical University of Iași. We highly appreciate the continuous support of our colleagues from this prestigious University. Our gratitude is also addressed to the Editorial Board of the *Environmental Engineering and Management Journal*, for the excellent work related to the publishing of this journal issue dedicated to *Natural and Anthropic Risks*.

The organizers would like to thank all the participants at this scientific event, the national and international collaborators for their professionalism related to the conference topics and for their understanding concerning some logistical aspects. We would also like to express our thanks to the sponsors that made these conference activities possible by their financial support.

Guest Editor:

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Valentin Nedeff (1958) is professor at the Department of Environmental and Mechanical Engineering – Faculty of Engineering of the *Vasile Alecsandri University of Bacau, Romania*, where he teaches courses in *Procedures and Techniques for Environmental Protection, Higher Valorization of Resources*. His research interests include sustainable development, study of soil and water pollution and wastewater treatment. He supervises doctoral thesis in the field of *Environmental Engineering*. Prof. Nedeff has authored more than 300 articles and books in the fields of mechanical engineering, agricultural engineering and environmental engineering. He is Associate Member of the Academy of Agricultural Sciences and Forestry *Gheorghe Ionescu Sisesti Bucharest Romania* and Editor-in-Chief of the *Journal of Engineering Studies and Research*. Also, Prof. Nedeff is a member of the Scientific Editorial Board of *Environmental Engineering and Management Journal*.