

Summer Safety and Reliability Seminar SSARS 2012

The SSARS Seminars are organized each year by Polish Safety and Reliability Association – PSRA and European Safety and Reliability Association – ESRA in a resort Sopot placed at the Baltic seaside in Poland. The 6-th Seminar took place on 02-08.09.2012. and as usual was chaired by prof. Krzysztof Kołowrocki, dr. Joanna Soszyńska-Budny from Gdynia Maritime University and prof. Enrico Zio from Polytechnic of Milan.

The idea beyond the organization of the annual, one-week *Summer Safety and Reliability Seminars* is to provide a forum for discussing, advancing and developing methods for the safety and reliability analysis of the complex systems, which form the backbone of our modern Societies. The subjects of the Seminars are chosen each year by the Programme Board in an effort to dynamically represent the methodological advancements developed to meet the newly arising challenges in the field of safety and reliability analysis.

This year the emphasis was addressed to the following subjects:

- Reliability and Safety of Complex Systems and Networks;
- Risk Analysis Methods in Transportation;
- Complex Systems Dependability;
- Risk and Safety Improvement;
- Safety of Critical Infrastructures.

Both 1-2 hours lectures on advanced methods (accompanied by a corresponding full text of up to 12 pages) and technical presentations of 20-30 minutes on applications of such methods (with corresponding full text of up to 8 pages) are offered during the plenary sessions and the seminar sessions, respectively.

The extended version of papers and lectures in the form of articles are collected in the *Journal of Polish Safety and Reliability Association: Summer Safety and Reliability Seminars – JPSRA* (currently rated at 6 points on the Poland's Ministry of Science and Higher Education List of Scientific Journals and just sent to Thompson Reuters for evaluation and Impact Factor indexation) <http://jpsra.am.gdynia.pl> which constitute an up-to-date reference textbook for the participants to the Seminars and all the researchers in the field. *JPSRA* is an international journal devoted to the development and application of the methods of modelling, identification, prediction and optimization of the reliability, safety and security of complex systems and processes. The journal mainly publishes the papers and lectures accepted for and presented at the *Summer Safety and Reliability Seminars*. The *JPSRA* Editorial Board with the assistance of the Invited Professors have performed the evaluations of all contributions: as a result, recommendations have been sent out to help the authors improving their work. In all, 34 papers and lectures have been accepted for presentation during the Seminar and 28 out of them were published in the *JPSRA*. 14 of the papers and lectures are included in Number 1 and 14 of the papers and lectures are included in Number 2.

SSARS 2012 was financially supported by the Poland's Ministry of Science and Higher Education and by the ESRA. These supports, we thank a lot, helped us to make SSARS 2012 one of the most excellent safety and reliability event.

More details on SSARS 2012 may be found at <http://ssars.am.gdynia.pl>

The next SSARS Seminar will be held in Sopot on 23-29.06.2013 and be mainly focused on the Safety, Security and Reliability of Critical Infrastructures and Nano-Systems which are currently two main subjects in the world safety science activity.

Krzysztof Kołowrocki & Joanna Soszyńska-Budny
Sopot, 09.09.2012.