

SSARS 2009

3rd Summer Safety and Reliability Seminars Summary

The Third edition of the Summer Safety and Reliability Seminars – SSARS 2009 was held in the Hotel “Dwór Prawdzica” in Gdańsk/Sopot-Jelitkowo from 19th of July 2009 until 25th of July 2009.

The motivation behind this annual event is to provide a forum for discussing, advancing and developing methods for the safety and reliability analysis of the complex systems and processes, which form the backbone of our modern societies. The subjects of the Seminars are chosen each year by a Programme Board of selected experts 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 following subjects were chosen:

- Human Factors in Safety and Reliability;
- Maintenance Modelling and Optimisation;
- Managing and Predicting Risk, Safety and Stability;
- Safety and Reliability Data Mining;
- Safety and Reliability Modelling of Complex Systems and Processes;
- Structural Reliability.

The Advisory, Editorial and Organising Boards have carried the preliminary evaluation of the 48 contributions selected for this year Seminars and sent out to the authors recommendations improving their work. In all, 43 of the 48 papers and lectures have been published in the Seminars Proceedings, composed of 2 Volumes of around 200 pages each.

The Seminar was attended by 37 participants and 5 accompanying persons from 13 countries (Canada, Czech Republic, France, Germany, Greece, Italy, Norway, Poland, Romania, Singapore, South Africa, South Korea, Thailand).

Both 1 hour lectures on advanced methods (accompanied by a corresponding full text of up to 12 pages) and 20-minutes papers (with corresponding full text of up to 8 pages) were offered during the plenary sessions and the seminar sessions, respectively. More precisely 11 plenary lectures and 32 seminar papers were presented. Additionally, three educational and training courses were offered, one on Human Factors in Safety and Reliability, another on Applications of Semi-Markov Processes in Safety and Reliability Analysis and a third one Estimating Unknown Parameters of Operation Processes and Reliability Models of Complex Technical Systems. One ongoing research project on Safety and Reliability of Complex Industrial Systems and Processes was presented as well.

Attendance diplomas were given to the Seminars and Educational Courses participants in appreciation of their activity.

A major initiative during the Seminars was the development of informal discussion sessions during which suggestions on improvements of the works presented were offered to the authors by experienced researchers, with the aim of advancing the works to the scientific quality and relevance necessary for publication in well recognized scientific journals.

Several social events were organised to foster a team spirit among the Seminar participants (Welcome Party, Visit to Kashubian Region, Seminar Dinner and cruise on a board Stena Baltica Ferry, Farewell Dinner).

At the end of the Seminars, during the Farewell Dinner, the participants were asked to evaluate the event with respect to its scientific contents, location and logistics. The results of this evaluation could be summarised that the SSARS 2009 was a great youthful success.

We feel obliged to continue developing this Seminars series, with great personal pleasure and professional honour and counting on all dedicated contributors for their significant and expert help”.

We would like to thank the European Safety and Reliability Association and the Poland’s Ministry of Science and Higher Education for their significant financial support.

More details on SSARS 2009 may be found on the Website:

<http://ssars2009.am.gdynia.pl>

The 4th Summer Safety and Reliability Seminars – SSARS 2009 will be held Gdansk/Sopot-Jelitkowo in June 2010.

Details on SSARS 2010 may be found on the Website (under construction):

<http://ssars2010.am.gdynia.pl>

Krzysztof Kolowrocki, Enrico Zio, Joanna Soszyńska, Sambor Guze

Gdynia, 27.07.2009.