

## SSARS 2010

# 4<sup>th</sup> Summer Safety and Reliability Seminars Summary

The fourth edition of the Summer Safety and Reliability Seminars – SSARS 2010 was held in the Hotel “Dwór Prawdzica” in Gdańsk/Sopot-Jelitkowo from 20<sup>th</sup> of June 2010 until 26<sup>th</sup> of June 2010.

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,
- Methods of Risk Analysis,
- Safety and Reliability Data Mining,
- Safety and Reliability Modelling of Complex Systems and Processes.

The Advisory, Editorial and Organising Boards have carried the preliminary evaluation of the 38 contributions selected for this year Seminars and sent out to the authors recommendations improving their work. In all, 35 of the 38 papers and lectures have been published in the Seminars Journal, composed of 2 Volumes of around 250 pages each.

The Seminar was attended by 34 participants and 1 accompanying person from 9 countries (Czech Republic, France, Germany, Israel, Italy, Norway, Poland, Singapore, South Africa).

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 10 plenary lectures and 19 seminar papers were presented. Additionally, two educational and training courses were offered, one on Event Tree Analysis in Safety and Reliability and other on Computer Aided Reliability and Safety Analysis of Complex Technical Systems and Processes.

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 frontier research journals.

Several special events were organised to foster a team spirit among the Seminar participants (Welcome Party, Visit Oliwa Cathedral & Organ Concert, “Hot” Dinner in

Cantina Mexicana, Visit the Kashubian Ethnographic Park, Seminar Dinner in "Niedzwiadek Hotel, 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 2010 was a great youthful success.

**Our final comment is:**

**"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".**

**More details on SSARS 2010 may be found on the Website:**

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

**The 5<sup>th</sup> Summer Safety and Reliability Seminars – SSARS 2011 will be held Gdansk/Sopot-Jelitkowo in June 2011.**

**Details on SSARS 2011 may be found on the Website (under construction):**

**<http://ssars2011.am.gdynia.pl>**

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**Gdynia, 28.06.2010.**