First Announcement
&
Call for Contributions

16th Summer Safety & Reliability Seminar

SSARS 2022

4th – 11th September 2022
Ciechocinek, Poland

Organisers

Gdynia Maritime University
and Polish Safety
and Reliability Association

Secretariat

Gdynia Maritime University
Department of Mathematics
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Website

https://ssars.umg.edu.pl

Scope

The annual *Summer Safety and Reliability Seminars* are organised to advance the methods for the safety and reliability analysis of complex systems and processes and to disseminate the newest achievements in the field. The subjects of the Seminars, different from year to year, are chosen by the Seminars Board in an effort to dynamically represent the methodological advancements developed to meet the newly arising challenges in the field of safety and reliability. This year the emphasis is addressed to the following subjects: Safety and Security Management, Risk Reduction and Accident Consequences Mitigation of Process Industry, Energy and Transport Critical Infrastructures, Cybersecurity, Warning Systems, Safety and Resilience Training, Pandemic Human Safety, Global Safety and Security Management.

Language

The Seminar language is English.

Contributions

Contributions are in the form of 20-minutes papers presented at Seminar Sessions and 40-minutes lectures presented at Plenary Sessions, with corresponding full text from 10 of up to 20 pages and training courses on selected safety and reliability topics in the form of theoretical background guides and power point files to be presented and prepared for commercialization at the post-Seminar 3 days Workshop on 8-11.09.2022.
The authors are requested to submit their papers, lectures and training courses electronically to the Secretariat using the following e-mail address: *ssars@umg.edu.pl*
Only those contributions prepared according to the Contribution Templates available on *https://ssars.umg.edu.pl* will be considered.
The papers peer-reviewed and accepted by the Seminar Board will be the chapters of monograph entitled "Safety and Reliability of Systems and Processes, Summer Safety and Reliability Seminar 2022", with an ISBN-number (evaluated with 20 points per chapter according to regulations of the Polish Ministry of Science and Higher Education). Training courses will be prepared for international publication and sale.

Registration & Fee

Participants are requested to fill in the Hotel Registration and Seminar and Workshop Fee Payment Form and submit it to the Secretariat by May 31, 2022. The SSARS 2022 Fee is 500 € (2300 PLN) and includes: Seminar participation, monograph, catering, accommodation and social events. Workshop cost is 300 € (1380 PLN). The SSARS 2022 and Workshop Fee will be reduced to 200 € (920 PLN) and 150 € (690 PLN) respectively in the case of the on-line participation.

Deadlines

Submission of Contributions	March 31, 2022
Acceptance of Contributions	April 30, 2022
Submission of Final Versions	May 31, 2022
Registration	May 31, 2022
Payment of Fees	May 31, 2022
SSARS Meeting	September 4-8, 2022
Workshop	September 8-11, 2022

Seminar Board

General Chair

Prof. Krzysztof Kołowrocki

Executive Chairs

Dr. Magdalena Bogalecka
Dr. Ewa Dąbrowska
Dr. Mateusz Torbicki

Technical Team

MSc Oliwia Cichocka
MSc Beata Magryta-Mut

Location

SSARS 2022 will be held in Ciechocinek, the health resort located in central Poland.

Venue:
„Pod Tężniami" Hotel Conference & Spa
Warzelniana 7 Street,
87-720 Ciechocinek, Poland
https://www.podtezniami.pl/en/contact/
e-mail: *rezerwacja@podtezniami.pl*

The hotel arranges transportation from and to airports in Poland.

SSARS
Short Preliminary Programme

Sunday, 4.09.2022	• *Participants' Arrival* ("Pod Tężniami" Hotel) • *Participants' Registration*
Monday, 5.09.2022	• *Opening Ceremony* • *Plenary Session 1* *Global safety and security management system* • *Seminar Session 1* *General approach to critical infrastructure safety analysis* • *Seminar Session 2* *Safety of ageing critical infrastructure without outside impacts*
Tuesday, 6.09.2022	• *Plenary Session 2* • *Seminar Session 3* *Safety of ageing critical infrastructure impacted by hazards and threats* • *Plenary Session 3* • *Seminar Session 4* *Safety optimization of ageing critical infrastructure*
Wednesday, 7.09.2022	• *Plenary Session 4* • *Seminar Session 5* *Operation cost optimization of critical infrastructure* • *Plenary Session 5* • *Seminar Session 6* *Critical infrastructure accident consequences modelling, identification, prediction, optimization and mitigation*
Thursday, 8.09.2022	• *Seminar Session 7* *European Union global critical infrastructure safety management system* • *Discussion on the subject and organization of SSARS 2023* • *SSARS Closing Ceremony*

Post-SSARS Workshop
Short Preliminary Programme

Thursday, 8.09.2022	• *Training Course 1* *Stochastic modelling of the failure probability of degrading critical infrastructure* • *Training Course 2* *Optimization and parameter estimation of the maintenance strategy of critical infrastructure*
Friday, 9.09.2022	• *Training Course 3* *Algebra logic based methods in reliability analysis and risk assessment* • *Training Course 4* *Importance analysis of system* • *Training Course 5* *Power system reliability and safety with consideration of renewable energy sources replacing thermal power plants* • *Training Course 6* *Modelling safety of critical infrastructure impacted by its operation process*
Saturday, 10.09.2022	• *Training Course 7* *Identifying unknown parameters of safety model of critical infrastructure impacted by its operation process* • *Training Course 8* *Predicting safety and resilience indicators of critical infrastructure impacted by its operation process* • *Polish Safety and Reliability Association Management Board Meeting*
Sunday, 11.09.2022	• *Post–SSARS Workshop Closing Ceremony*

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