

Program
8th International Probabilistic Workshop
18-19.11.2010

Maritime University of Szczecin

Senate Hall 2nd floor- in Main MUS Building (Waly Chrobrego 1/2 Szczecin)

Thursday – 18.11.2010

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|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 08:00 – 09:00 | Registration of Participants | – Senate Hall |
| 09:00 – 09:15 | Opening of Workshop | – Senate Hall |
| | Conference Chairman - Jerzy Hajduk Dean of Navigation Faculty | |
| 09:15 – 10:45 | Session 1 | – Senate Hall |
| | Chairman Dirk Proske | |
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| | 1. Ali Touran: <i>A Model for Calculating the Contingency Budget in a Portfolio of Projects Using a Bayesian Approach</i>
A.Touran, P. Bakhshi | |
| | 2. Heinz Peter Berg: <i>Probabilistic Assessment of External Explosion Pressure Waves</i>
H.P. Berg, J. Hauschild | |
| | 3. Krzysztof Kołowrocki: <i>Safety Optimization of a Ferry Technical System</i>
K. Kołowrocki, J. Soszyńska | |
| | 4. Alfred Strauss: <i>Monitoring Systems for the Bridge Railway Interaction</i>
S. Karimi, T. Zimmermann, A. Strauss | |
| | 5. Zbigniew Burciu: <i>The Probability of the Collision During Vessel Overtaking</i>
Z. Burciu, P. Lizakowski | |
| 10:45 – 11:00 | Coffee Break | – Senate Hall |
| 11:00 – 12:30 | Session 2 | – Senate Hall |
| | Chairman Zbigniew Burciu | |
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| | 1. Alfred Strauss: <i>Analysis and Reliability Assessment of Chloride Deteriorated Pre-stressed Concrete Structures – Part II</i>
A. Strauss, B. Teplý, D. Novák, R. Pukl, K. Bergmeister, R. Wendner | |
| | 2. Cornelius Albrecht: <i>Application of Sensitivity Analysis to Specific Problems in Fire Protection Engineering to Identify the Most Critical Parameters and to Reduce Dimensionality</i>
C. Albrecht, M. Siemon, D. Hosser | |
| | 3. Athanasios Kolios: <i>An Approach of Stochastic Expansions for the Reliability Assessment of Complex Structures</i>
A.J. Kolios, A. Quinio, A.F. Antoniadis, F. P. Brennan | |
| | 4. Zbigniew Pietrzykowski: <i>Probabilistic Method of Ships Passing Distance Assessment in Encounter Situation</i>
Z.Pietrzykowski | |
| | 5. Lu Wang: <i>Scenario-Based Prediction of Extreme Floods in the Chinese Huai River Basin under Climate Change</i>
L. Wang, Z. Hao, P. Van Gelder, P. Reggianni, J.K.Vrijling | |
| 12:30 – 14:00 | Lunch
(Ground Floor Main MUS building) | – Students Club |

10:45 – 12:00

Session 5

– Senate Hall

Chairman Lucjan Gucma

1. Pieter van Gelder: ***Deriving a Beta-Like Distribution for Reliability Problems***
N. van Erp, P. van Gelder
2. Mirosław Gerigk: ***Modeling the Risk and Uncertainties for Assessment of Ship Survivability***
M. Gerigk
3. Rafał Gralak: ***Analysis of Vessels Collision “m/v Ziemia Łódzka” and “m/v Vertigo” with Fullmission Bridge Simulator***
R. Gralak, W. Juskiewicz
4. Wiesław Juskiewicz: ***The Probability of Coast Pollution – accident simulation in the PISCES II Simulator***
K. Łazuga, W. Juskiewicz
5. Leszek Kasyk: ***Verification of the Convolution Method on the Szczecin-Świnoujście Fairway Section with the Speed Limit***
L. Kasyk
6. Krzysztof Marcjan: ***The Incident Based System of The Navigational Safety Management on the Coastal Areas***
L. Gucma, K. Marcjan
7. Marcin Przywarty: ***Comparison of Selected Models for the Assessment of Collision Probability***
M. Przywarty
8. Agnieszka Puszcz: ***Ships’ Traffic Analysis on Świnoujście Approach Fairway by Statistical Methods***
L. Gucma, A. Puszcz
9. Marta Schoeneich: ***Example Results of the Probabilistic Model of Under-keel Clearance Application in Safety Evaluation and Port’s Depth Design***
M. Schoeneich
10. Alfred Strauss: ***Analysis and Reliability Assessment of Chloride deteriorated pre-stressed Concrete Structures – Part I***
R. Wendner, A. Strauss, T. Zimmermann, B. Teplý, D. Novák
11. Paweł Zalewski: ***Risk Assessment of DP Systems Failure Using Fuzzy Logic***
P. Zalewski

12:00 – 15:00

**Technical visit to Port
and Lunch (on Ship)**

- Ship “Odra Queen”

15:00

Closing the conference