

19.6. Parallel sessions, Monday morning, 4 papers per session										
11:10-12:30	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Fundamental Issues in Risk Analysis and Management 1	Advanced Safety Assessment Methodologies: extended PSA 1	Accident Modelling 1	Maintenance Modelling and Applications 1	Resilience in critical infrastructures 1	Assessment of Natural Hazards	Reliability in Land Transportation	Uncertainty Analysis 1	Prognostics and System Health Management 1	Wind Power Reliability
	870	1117	859	682	1165	664	933	886	717	1009
	Jiale Zhou, Kaj Hänninen, Krisitina Lundqvist, Luciana Provenzano	Andrej Prošek, Andreas Wielenberg, Horst Löffler, Emmanuel Raimond	Laura Savoldi, Roberto Bonifetto, Roberto Zanino	Maria Isabel Suassuna da Fonte, Mariana Losada Agudelo, Marcelo Hazin Alencar, Adiel Teixeira de Almeida	Stian Antonsen, Lars Bodsberg, Jacob Kringen	Claudia Vivalda, Vittorio Verda, Andrea Carpignano, Cristiana Dell'Erba, Daniele Cagliero, Elisa Guelpa	Datian Zhou, A.G. Hessami, X. Yao	Luis G. Crespo, Daniel Giesy, Sean Kenny	Ceena Modarres, Anthony Coburger, Enrique Droguett, Mark Fuge	Maik Reder, Julio J. Melero
	An Ontological Interpretation of the Hazard Concept for Safety-Critical Systems	Methodology for Selecting Initiating Events and Hazards for Consideration in an Extended PSA	Analysis of a loss-of-flow accident (LOFA) in a tokamak superconducting Toroidal Field Coil	Multidimensional analysis of failure consequences in the RCM approach: contributions to the decision-making process	User needs for resilience indicators in interconnected critical infrastructures	Forest Fire Risk Analysis Methods and Simulation Tools	Model based approach to Identifying Hazards for Modern Train Control System	Random predictor models with a nonparametric staircase structure	Computer Vision for Damage Recognition and Location Identification: A Deep Learning Based Approach	Time Series Data Mining for Analysing the Effects of Wind Speed on Wind Turbine Reliability
	1144	1164	697	823	1170	1095	976	885	748	894
	Andreas Hafver, Simen Eldevik, Ovidiu Valentin Drugan, Irena Jakopanec, Frank Børre Pedersen, Roger Flage, Terje Aven	Yves Guigueno, Emmanuel Raimond, Mirela Nitoi, Pascal Brac, Dominique Vasseur, Göran Hultqvist	Mohamed Zahran, Pu Xue, Moustafa Esa, B. C.Y. Bai, G.L. Su	Huadong Mo, Giovanni Sansavini	Aleksandar Jovanovic, Flor Angela Quintero, Amrita Choudhary	Reidar Staube-Delgado, Michael H. Glantz	Jozef Zurek, Mariusz Zieja, Jaroslaw Ziolkowski, Anna Borucka	Luis G. Crespo, Sean P. Kenny, Daniel P. Giesy	Moath Kassim, Gyunyoung Heo	Jinrui Ma, Antoine Grall, Mitra Fouladirad
	Risk-based- versus control-based safety philosophy in the context of complex systems	Summary of PSA End-Users views on extended PSA concept in the project ASAMPSA_E	On design of stiffened 3D-multi-cell for enhancing the vehicle crashworthiness and occupant safety	Performance-based maintenance of degraded control systems	Use of safety-related indicators in resilience assessment of Smart Critical Infrastructures (SCIS)	Identifying Commonalities between Individual El Niño Events	Research of automotive vehicles operation process by using the Markov model	On the calculation and shaping of staircase random variables	A Benchmarking Study on Online Cross Calibration Techniques for Redundant Sensors	Deterioration modelling on wind turbine pitch control system
	774	1158	1112	776	704	1030	819	929	772	1018
	Simen Eldevik, Andreas Hafver, Irena Jakopanec, Frank Børre Pedersen	Emmanuel Raimond, Manorma Kumar, Horst Loeffler, Andreas Wielenberg	Paal Skjetne, Emlyn John Davies, Jan Erik Olsen, Frode Leirvik, Daniel Franklin Krause, Grim Eidnes	Nuria C. Caballe, Inma T. Castro	Maren Maal, Kjersti Brattækås, Kjell Olav Nystuen, Ronny Windvik	Katerina Sikorova, Ales Bernatik	L.S.Liu, Xiaojian Yi, Peng Hou, Yue-hua Lai, Jian Shi	Martorell Sebastián, Sánchez-Saez Francisco, Carlos Sofia, Villanueva José Felipe, Sánchez Ana Isabel	Matteo Davide Lorenzo Dalla Vedova, Pier Carlo Berri, Paolo Maggiore	Nurseda Yildirim Yurusen, Maik Reder, Julio J Melero
	Risk, Uncertainty, and "What if?" – A practical view on uncertainty and risk in the knowledge- and physical domain.	Objectives, challenges and development of multi-unit PSA – considerations from the ASAMPSA_E project	Comparison of Meso Scale Subsea gas Release With Multiphase Eulerian-Lagrangian CFD Model	Performance measures for a system subject to degradation and sudden shocks	How to assess future security threats to critical infrastructure systems? Lessons learnt and best practices from a security risk assessment of the ERTMS in Norway	Fire water: management system in Czech Republic	A New Reliability Analysis Method for Vehicle Control Systems with Three-State Electronic Units Based on Goal Oriented Methodology	A comparison of performance between order statistics and metamodeling in safety margins uncertainty quantification	On-board electromechanical servomechanisms affected by progressive faults: proposal of a smart GA model-based prognostic approach	Failure Event Definitions & their Effects on Survival and Risk Analysis of Wind Turbines
		921	836		735		861		702	1046
		Kurt Decker, Hans Brinkman, Emmanuel Raimond	Roberto Zanino, Antonio Froio, Andrea Bertinetti, Laura Savoldi, Fabio Cismondi, Sergio Ciattaglia		David Rehak, Simona Slivkova, Veronika Brabcova		Tiago Alves Silva, João Batista Camargo Junior, Jamil Kalil Naufal Junior, Lúcio Flávio Vismari, Rafia Inam, Carlos Renato Belo Azevedo		Genta Kikuchi, Makoto Sato, Kohei Maruchi, Masanori Yabuki	Bruno Castanier, Belgacem Bettayeb, Wenjin Zhu
		Hazards and hazard combinations to be considered in extended Probabilistic Safety Assessment (PSA)	Benchmark of the GETTHEM Vacuum Vessel Pressure Suppression System (VVVPS) model for a helium-cooled EU DEMO blanket		Evaluation the resilience of critical infrastructure subsystems		A preliminary analysis of impacts of Vehicular Ad Hoc Networks on traffic safety		Failure Classification on Residential Fuel Cells based on Multi-Sensor Data	An adaptive condition-based maintenance planning approach: An offshore wind turbine case study
19.6. Parallel sessions, Monday afternoon early, 4 papers per session										
14:00-15:20	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Risk Management 1	Reliability in Industry	Accident Modelling 2	Nuclear Safety - PSA 1	Resilience Engineering 1	Risk Modelling of Natural Events	Risk Assessment of Liquefied Natural Gas Facilities	Uncertainty Analysis 2	Prognostics and System Health Management 2	Human Factors in Transport
	1082	853	906	1114	989	731	1127	621	1016	834
	Salvador Ávila Filho, Dauton Menezes	Johanna Leigh, Heinz Lugo-Sanudo, Lisa Jackson, Sarah Dunnett, Andrew West, Richard Sharpe, Aaron Neal	Anastacio Pinto, Goncalves Filho, Gyuchan Thomas Jun, Patrick Waterson	Jeffery Wood, Donald Helton, Alan Kuritzky, John Lane, Christina Leggett, Ming Li, Gary Wang	Patrick Gasser, Peter Lustenberger, Tianyin Sun, Wansub Kim, Matteo Spada, Peter Burgherr, Stefan Hirschberg, Bozidar Stojadinovic	Claudia Vivalda, Maria Angela Musci, Nives Grasso, Elisa Guelpa, Vittorio Verda, Marco Piras	Goran Stanković, Stojan Petelin, Peter Vidmar, Marko Perković	Claudia Vivalda, Giovanni Boe	Darius V. Dickan, Ross W. Rickie, David Flynn, Valentin Robu	Eleonora Bressan, Pietro Carlo Cacciabue, Gabrio Ludovico Mauri
	Control of systemic failure through design criteria, RISKDyn	Manufacturing Processes using Markov Chains	Four Studies, Two Methods, One Accident – Another Look at the Reliability and Validity of Accimap and STAMP for Systemic Accident Analysis	A Compendium of Risk Assessment Studies by US Nuclear Regulatory Commission Office of Nuclear Regulatory Research	Security of electricity supply indicators in a resilience context	Forest wildfire risk mapping and the influence of the weather and geomorphological input data	Effectiveness of a technologically advanced evacuation model in case of LNG spillage from LNG carrier	Addressing cost uncertainties when planning and implementing a monitoring programme for a Carbon Storage site	A Review of the Role of Prognostics in Predicting the Remaining Useful Life of Assets	Dynamic communication of hazards to cyclist by merging risk assessment and risk exposure
	1025	828	1100	761	1091	1138	992	1014	1067	854
	Gabriele Baldissone, Micaela Demichela, Marko Gerbec, Maria Chiara Leva	Christina Latsou, Sarah J. Dunnett, Lisa M. Jackson	Salvador Ávila Filho, Jairan Dionizio	Claudia Picoco, Tunc Aldemir, Valentin Rychkov, Andrea Alfonsi, Diego Mandelli, Cristian Rabiti	Allison Reilly, Chengwei Zhai, Seth Guikema	Albert Lunde, Ove Njå	Dlga Aneziris	Yunhui Hou, Siqi Qiu, Mohamed Sallak	Gauthier Jullian, Catherine Cadet, Sébastien Rosini, Mathias Gérard, Vincent Heiries, Christophe Bérenguer	Subeer Rangra, Mohamed Sallak, Walter Schön, Frederic Vanderhaegen
	Risk-based optimization of operational procedures	Automated generation of a Petri Net Model: application to an end of life	Systemic Fault Analysis to calculate the approximation of the top event: NEMESYS	Coupling of RAVEN and MAAPS for the Dynamic Event Tree analysis of Nuclear Power Plants	Strengths and limitations of Bayesian learning processes in agent-based models	A systems thinking approach to safety in Norwegian avalanche rescue operations.	Validation and sensitivity analysis of the dispersion model "SLAB" in case of LNG release	Estimation of system availability using Markov modeling and random set theory	Model-based fault detection using analytical redundancy for automotive proton exchange	Obtaining empirical data from experimentation on railway operational simulator for human

		manufacturing process							membrane fuel	reliability modelling
900	833	1151	1057	887	590	991	709	1096	858	
Alexandre Oliveira Tavares, Pedro Pinto Santos, José Lopes, Jorge Brito	Zhong Zhang, Xiaojian Yi, Yuehua Lai, Peng Hou, Balbir.S.Dhillon	Jan Mrazek, Lucia Duricova, Martin Hromada	Daive Mercurio, Vince Andersen, KC Wagner	Ali Azadeh, Seyed Mohammad Asadzadeh, Mehrab Tanhaeean	Krzysztof Lewandowski	Peter Lustenberger, Tianyin Sun, Patrick Gasser, Wansub Kim, Peter Burgherr, Matteo Spada, Stefan Hirschberg, Bozidar Stojadinovic	Vera Deeva, Stepan Slobodyan	Jingjing He	Alaide Bayma, Marcelo R Martins	
Intermunicipal risk management: addressing territorial and local expectations	A New Reliability Modeling of Mechanical Systems Considering Failure Correlation	The Proposal of Evaluation Criteria for Recoverability of Road Transport	Integrated Level 1 - Level 2 Decommissioning Probabilistic Safety Assessment Methodology for Boiling Water Reactors	A consensus-based AHP for improved assessment of resilience engineering in maintenance organizations	Hazard from increasing the risk of the numbers of earthquakes for the European Economy Growth in next 50 years	Potential impacts of selected natural hazards and technical failures on the natural gas transmission network in Europe	Entropy estimation of a dynamical system via a contact interaction	Assessment of Reliability Performance of Fatigue Crack Detection by Intelligent Coating Monitoring and PZT Sensors	Human Reliability Analysis in the Emergency Evacuation from an Aircraft	
786	979	344	909	899	972	876	750	806	1033	
Xiuzhu Gu, Huchen Liu, Kenji Itoh	Jan Gröber, Frank Müller, Wolfgang Gauchel, Peter Zeiler, Bernd Bertsche	Floris Goerlandt	Diego Mandelli, Daniel Maljovec, Carlo Parisi, Andrea Alfonsi, Curtis Smith, Cristian Rabiti	Seyed Mohammad Asadzadeh, Mehrab Tanhaeean, N. Abdi	Olga Sokolova, Prof. Victor Popov	Hamza Zerrouki, Hacene Smadi	Yan Li, Junming Hu, Yonghui Xie	XiaoWei Duan, Junyou Shi, Yawei Zhao	Aud Marit Wahl, Trond Kongsvik	
Patient handoff quality and safety in China: Health care providers' views	Extended reliability analysis of mechatronic systems based on information obtained by design of experiments	A Probabilistic Model for Navigational Accident Scenarios in the Northern Baltic Sea	An Overview of Methods to Analyze Dynamic PRA Data	Exploring the similarity of Resilience Engineering approach to EFQM approach to ensure safety in a hospital	Critical infrastructure exposure to severe solar storms. Case of Russia	Risk management of a Liquefied Natural Gas process facility using Bow tie and Bayesian Networks	Uncertainty quantification of microwave resonator cavity for space borne hydrogen atomic clock	Research on the health prediction of system Based on Relevance Vector Machine and Ant Colony Algorithm	Leadership@sea: essential non-technical skills	
19.6.	Parallel sessions, Monday afternoon late, 5 papers per session									
15:40-17:20	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Maritime and Offshore Risk Assessment	Vulnerability Assessment	Process Reliability	Maintenance Modelling and Applications 2	Resilience in critical infrastructures 2	Fault Tree Analysis	System Reliability 1	Uncertainty Analysis 3	Prognostics and System Health Management 3	Safety Related to Socio-Technical Systems
764	1037	821	855	1075	1124	1185	1132	1090	783	
Tito Livio Cardoso, Adriana Miralles Schleder, Marcelo Ramos Martins	Alexander Cedergren, Henrik Hassel	Bostjan Jurjčević, Andrej Senegacnik, Igor Kuštrin	Chris Rijdsdijk, Tiedo Tinga	David Lange, Daniel Honfi, Marianthi Theocharidou, Georgios Giannopoulos, Nina Kristina Reitan, Karolina Storesund	Yizhak Bot, Amir Segal	Yun Wang, Shou Song Qing, Hai Long Cheng, Peng Wei Hu, Hang Wu	Brian Cohn, Jieun Hur, Richard Denning, Tunc Aldemir, Halil Sezen	Francesco Cannarile, Piero Baraldi, Michele Compare, Davide Borghi, Luca Capelli, Marco Cocconcelli, Achraf Lahrach, Enrico di Zio	David Brooks, Michael Coole	
A preliminary hazards identification of a ship hybrid power system	An action research approach to developing, implementing and evaluating methods for risk and vulnerability assessment	A statistical control of direct-firing system using intrusive electrostatic sensors	Predicting mission success from operating conditions	Incorporation of resilience analysis methods in Critical Infrastructure risk assessment frameworks	Fault Tree Analysis: how accurate is it?	An Inventory Model For Repairable Spare Parts With Lateral Transshipments	Implementation of Surrogate Models within RAVEN to Support SPRA Uncertainty Analysis	An unsupervised clustering method for assessing the degradation state of cutting tools used in the packaging industry	Codifying knowledge in the development of the discipline of Security Science: Knowledge to diagnose, infer and treat the security problem	
1081	799	814	924	767	678	713	729	841	1031	
Justice Uzoma Okoroma, Francesco Ganci, Andrea Caprignano, Raffaella Gerboni	Rui Mota, Alexandre Oliveira Tavares, Pedro Pinto Santos	Jacek Ryczyński, Tomasz Smal	Martorell Pablo, Martón Isabel, Martorell Sebastián, Sánchez Ana Isabel, Carlos Sofia	Gongalo Cadete, Miguel Mira da Silva, Marianthi Theocharidou	Marc Zeller, Kai Hoefig	Youngkyun Seo, Kwangu Kang, Hyonleong Noh, Jung-Yeul Jung, Daejun Chang, Seongjong Han, Sanghyun Park	Tianpei ZU, Meilin Wen, Rui Kang, Qingyuan Zhang	Hui Zhang, Jun Yao, Yurong Zhu	Reidar Staupe-Deigado, Bjørn Ivar Kruke	
The role of subsea activities in the framework of the new EU Directive 30/2013 on Oil and Gas safety for offshore installations	Urban vulnerability to fires and the efficiency of hydrants. Improving resource positioning and institutional response	Influence of length storing of fuel on intensity of wear selected components of internal combustion engines	Unreliability model for demand caused failures of safety components addressing degradation by demand stress and maintenance effectiveness	A Conceptual Framework for Assessing the Resilience of Critical Infrastructure	SpeCTRA: automated Synchronization of Component fault Tree and model-based FME(D)A	Availability Estimation of Utility Module in Offshore Plant Depending on System Configuration	An Uncertainty Evaluating Model for Uncertain Metrics in Reliability	Research on bearing life evaluation method based on EMD	Developing a Typology of Crisis Preparedness	
1084	1032	732	948	741	809	932	807	817	1083	
Espen Bergland, Abbas Barabadi, Yonas Zewdu Ayele	Eivind Halvard Okstad, Tor Olav Grøtan, Nicola Paltrinieri	Lexiao Li, W. Zhang, B. Sun	Asier Erguido, Adolfo Crespo Márquez, Eduardo Castellano, Juan F. Gómez Fernández	David Rehak, Martin Hromada, Jozef Ristvej	Ales Filip	Everton Lima, Marcelo Ramos Martins	Houssein Abdo, Jean-Marie Flaus, François Masse	Wenzhe Li, Junyou Shi, XiaoWei Duan, Xuhao	Salvador Ávila Filho, Clessio Dias	
Application of unmanned aerial vehicles (UAV) for inspection of Arctic Windmill and Arctic offshore	An empirical case design and stress test addressing hidden, dynamic and emergent vulnerabilities of society	Physics-of-Failure-based method of reliability modeling for LED driver with failure correlation	A novel dynamic opportunistic maintenance modelling approach	Indication of Critical Infrastructure Resilience Failure	Benefits of aviation specific risk for GNSS-based railway signalling	The selection of generic data for a reliability study in the design of an offshore system	Fuzzy semi-quantitative approach for probability evaluation using Bow-Tie analysis	A test point selection method based on recognition of typical topology structure of complex networks	Reliability research to design barriers of sociotechnical failure	
791	1078	580	1019	1079	993	751	952	781	848	
Sunghee Kim, Gysung Kim, Ki-il Nam	Lucia Duricova, Martin Hromada, Jan Mrazek	Tao Wang, Youcai Yao, Yang Li, Ning Wang, Liwen Wang, Lingchao Qin	Pablo Viveros, Christopher Nikulin, Felipe Bustamante, Tomás Grubessich, Fredy Kristanpoller, Adolfo Crespo, Vicente Gonzalez-Prida, Carlos Parra, Raúl Stegmaier	Bjarte Rød, Abbas Barabadi, Yonas Zewdu Ayele, David Lange, Daniel Honfi, Enrique López Drogue	Lei Jiang, Xiaomin Wang, Yiliu Liu	Zihui Wang, Min Huang	Martina Kloos	Victor Krymsky	Michaela Vašková, Jiří Barta	
Fire and explosion risk analysis at the machinery spaces of the offshore facilities	The Comparison Security Coefficient between University and Shopping Center	Performance Analysis of Co-based Alloy Coating by Laser Cladding	Enhancing Maintenance Scheduling and Control Process by using SMED and TRIZ Theory	Probabilistic metric of infrastructure resilience considering time-dependent and time-independent covariates	Reliability assessment of CTC3-3 onboard system with a fuzzy fault tree	Airborne miniature aircraft: Program, Design and Optimization	Tolerance limit in a more realistic best-estimate plus uncertainty analysis	Software failure prognostics: application of interval-valued probabilities to assessment of reliability under imperfect debugging	Training of the Critical Infrastructure Employees	
1103	832	710	856	738	775	1039	1003	716	675	
Myrto Konstantinidou, Stefania Contini, Shlomo Wald	Nima Khakzad, Pieter van Gelder	Wei Zhang, Wei Wang, Weijia Feng, Wenqiang Zhou	Isaac Animah, Mahmood Shafiee	Miro Bugeza, Damijan Kopše, Zvone Košnjek, Iztok Prezelj, France Križanič, Vasja	Luke T. Herbert, Zaza N.L. Hansen	Jasper Behrendorf, Matteo Broggi, Michael Beer, Sebastian Brandt	Anna Kalinina, Matteo Spada, Peter Burgherr	Yawei Zhao, Junyou Shi, Weiwei Cui, Wenzhe Li	Ki Sang Son	

	De-codifying the requirements of the Directive 2013/30/EU on safety of offshore oil and gas operations; risk management and Reports on Major Hazards	Vulnerability assessment of chemical facilities under the impact of floods	Research on the reliability of the spraying process based on the design of experiment	A risk based maintenance (RBM) interval decision making model to support life extension of subsea oil and gas facilities	Kolšek Critical Infrastructure and Redundancy in Slovenian Electric Power System	UML Statechart Fault Tree Generation By Model Checking	Numerically efficient reliability analysis of interdependent networks	Uncertainty of the outflow hydrograph resulting from the breaking of a concrete dam	Research on false alarm identification method considering BIT test threshold	Investigating Safety Consciousness Level of the University Students
20.6.	Parallel sessions, Tuesday morning, 3 papers per session, Panel Discussion: Industrial Challenges in Land Transportation									
10:00-11:00	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Panel Discussion: Industrial Challenges in Land Transportation	Nuclear Safety - PSA 2	Accident Modelling 3	Uncertainty Analysis 4	Resilience in critical infrastructures 3	Reliability and Structures	Human Factors and Human Reliability	Food Safety	Model-Based Reliability and Safety Engineering	Workshop HBM Prencia
		1180	1184	984	1021	706	822	1004	705	
	Bob Huisman	Spencer Wheatley, Wolfgang Kröger, Didier Sornette	Behnaz Hosseinnia, Nima Khakzad, Genserik Reniers	Marek Stawowy, Krzysztof Perlicki, Marek Sumiła	Inga Žutautaitė, Ričardas Krikištolaitis, Linas Martišauskas, Juozas Augustis	Miroslav Sykora, Dimitris Diamantidis, Karel Jung, Milan Holicky	Kjartan Björnson, Terje Aven	Eva Doménech, Sebastián Martorell	Felix Möhrle, Kai Bizik, Marc Zeller, Kai Höfig, Martin Rothfelder, Peter Liggesmeyer	
	Implementing predictive maintenance task scheduling for existing industrial capital assets	Comprehensive Nuclear Events Database: Safety & Cost Perspectives	A multi-plant emergency response plan for tackling major fire accidents in chemical clusters	Comparison of Uncertainty Multilevel Models for Ensure the ITS Services	Risk assessment for critical energy infrastructure considering criticality of its elements	Target reliability for railway civil engineering structures	Utilizing HRA input in risk assessments – a new method for strengthening the risk characterization by highlighting the qualitative insights from the HRA	Safety margins of exposition to organophosphorus chemicals in food	A Formal Approach for Automating Compositional Safety Analysis Using Flow Type Annotations In Component Fault Trees	
		950	830	985	1136	736	758	951	749	
		Andrija Volkanovski, Vaidas Matuzas	Alena Oulehlová, Hana Malachová	Marek Stawowy, Krzysztof Perlicki, Tomasz Mrozek	Ivonne Herrera, Rogier Woltjer, Matthieu Branlat, Björn Nevhage	Zhaojun Hao, Min Huang	Raphael Moura, Caroline Morais, Edoardo Patelli, Michael Beer, John Lewis	Eva Doménech, Sebastián Martorell	Rasmus Adler, Daniel Schneider, Kai Höfig	
		Qualitative importance measures and nuclear safety	Analysis of the Gas Distribution System Operator's Activities on Declaring the State of Emergency	Application and Simulations of Uncertainty Multilevel Models for Estimation of number of Space of Car Parks of Motorway.	Dealing with crises in critical infrastructures: risk and resilience as complementary management approaches	The applications of DOE and computer simulation technology to the improving process reliability of turbine blades of aircraft engines	Human factors influencing decision-making: tendencies from first-line management decisions and implications to reduce major accidents	Assessment of safety margins in relation to Acceptable Daily Intake (ADI) and Maximum Residue Limits (MLR) with application to OPs in peaches	Evolution of fault trees – From hardware safety analysis to the integrated safety analysis of software-intensive control systems	
		957	721	891	913	996	897	1065	901	
		Gennadi Loskoutov, Christian Karlsson, Per Hellström	Alena Oulehlová, Pavel Kincl, Hana Malachová	Tianxi Liang	Jiří F. Urbánek, Jiří Barta, Jiří J. Urbánek	Christoph Rosebrock, Marcin Hinz, Fabian Reinecke, Stefan Bracke	Wouter Steijn, Jop Groeneweg, Dolf van der Beek, Jakko van Kampen, Pieter van Gelder	Ingunn Marie Holmen, Ingrid Bouwer Utne, Stein Haugen, Ingeborg Ratvik	Bernhard Kaiser, Behrang Monajemi, Daniel Kusche, Horst Schulte	
		Data-Mining Approach for Validation of PSA Models	Training of the Members of Crisis Management: the Scenario of the Forest Fire	System Reliability Assessment Based on QMU	Crisis Situation Investigation at Process Models of Critical Infrastructure Subject	Modelling the reliability of lead anodes in the electrowinning process of non-ferrous metals using machine learning	An integration of human factors into Quantitative Risk Analysis: A proof of principle	The status of risk assessments in Norwegian fish farming	Systematic Design and Validation of Degradation Cascades for Safety-Relevant Systems	
20.6.	Parallel sessions, Tuesday morning late, 4 papers per session									
11:20-12:40	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Fundamental Issues in Risk Analysis and Management 2	Advanced Safety Assessment Methodologies: extended PSA 2	System Reliability 2	Maintenance Modelling and Applications 3	Simulation for Safety and Reliability Analysis 1	Security Assessment 1	Critical Infrastructure Safety 1	Reliability Data and Testing 1	Risk Assessment in Land Transport	Workshop HBM Prencia
	1024	1159	765	973	999	700	902	1028	1089	
	Irena Jakopanec, Andreas Hafver, Simen Eldevik, Frank Børre Pedersen	Manorma Kumar, Jirina Vitazkova, Horst Loeffler, Emmanuel Raimond	Rabih Kassin, Eric Chatelet, Bachar El Hassan, Jasmine Soukieh	Tomás Grubessich, Pablo Viveros, Raúl Stegmaier, Fredy Kristjanpoller	Johannes Heinrich, Fabian Plinke, Jan Hauschild	Per Gustafson	Krzysztof Kolowrocki, Joanna Soszynska-Budny	Petteri Ojala, Jukka-Pekka Hietala, Juha Miettinen, Pasi Julkunen, Ilpo Nieminen	Roberto Setola, Maria Carla De Maggio, Giampaolo Natale, Marco Tesei, Enrico Zio	
	Risk communication: the link between understanding and managing risk	Implementation of external hazards in Level 1 and Level 2 PSA: considerations from the ASAMPSA_E project	Reliability Assessment of Wireless Sensor Networks Equipped with Photovoltaic Cells for the Detection of Changing Environmental Conditions	Design of indicators of workshop utilization for a railway company of passengers transport	State-based safety and availability analysis of automated driving functions using Monte Carlo Simulation	Evaluating an Indicator Matrix for Early Detection of Smuggling Equipment for Dual-Use	An overall approach to modelling operation threats and extreme weather hazards impact on critical infrastructure safety	Modelling of seep through of humidity to electric connector with stochastic processes	An Analytic Hierarchy Process Approach for the Security Assessment of High Speed Railway Construction Sites	
	683	1022	1073	1010	1108	884	912	746	1072	
	Tony Rosqvist	Slawomir Potemski, Hans Brinkman	Andrey Vasilyev, John Andrews, Lisa Jackson, Sarah Dunnett	Mariusz Zieja, Piotr Barszcz, Mariusz Wesolowski, Krzysztof Blacha	Andrea Basti, Dino Franciotti, Gabriele Bucciarelli, Graziano Panella	Lucia Duricova, Martin Hromada, Jan Mrazek	Agnieszka Blokus-Roszkowska, Krzysztof Kolowrocki	Zeljana Beslic, Shuang Yan, Bernd Bertsche	Agnieszka Tubis, Sylwia Werbińska-Wojciechowska	
	Information and confidence levels in risk results-can both be obtained?	Man-made hazards modelling and implementation in extended PSA	Reliability Modelling of PEM Fuel Cells with Hybrid Petri Nets	The evaluation method of degradation degree of runway pavement surfaces constructed from cement concrete	Evaluation of different hypothetical accident scenarios for improving people evacuation in the Gran Sasso National Laboratory	The Analytical Software Support for Evaluation to a Security and Safety Situation in the Soft Targets	Modeling dependencies in critical infrastructure networks	Method for planning optimal degradation tests in consideration of budget and statistic accuracy applied on pitting tests on gear wheels	Operational risk assessment in road passenger transport companies performing at Polish market	
	1060	1160	928	718	946	808	762	728	1175	
	Jennifer E. Lynette	Nadia Rahni, Emmanuel Raimond, Horst Löffler, Göran Hultqvist	Elena Zaitseva, Vitaly Levashenko, Miroslav Kvassay	Wenqiang Zhou, Dong Zhou, Long Xue, Wei Zhang	Frank Müller, Jan Gröber, Timo Rieker, Peter Zeiler, Bernd Bertsche	Houssein Abdo, Mohamad Kaouk, Jean-Marie Flaus, François Masse	Przemyslaw Dziula, Krzysztof Kolowrocki	Xiaolu Fu, Jun Yang, Songhua Hao	Ingrid Time, Ove Njå	
	A Comparative Analysis of Risk and Quality	Verification and improvement of SAM strategies with L2 PSA	Induction of structure function of Multi-State System based on uncertain data	A Method For Parallel Relative System Maintenance Based on Product	Development-based reliability modelling and analysis with Petri nets considering	Towards a better industrial risk analysis: a new approach that combines security	Modelling the operation process of Global Baltic Network of Critical Infrastructure	Optimal Design of Step Stress Accelerated Degradation Test Plan for Solid-State Lasers	Approaching tunnel safety from a system safety perspective	

				Health	interactions	within safety	Networks			
1118	820	864		896	953	842	1101			707
Lisbet Fjaeran, Terje Aven	Pavlin Groudev, Emil Kichev, Petya Petrova	Xiaojian Yi, Peng Hou, Balbir.S.Dhillon, Jian Shi, Zhong Zhang, H. N. Mu	A New Reliability Assessment Method for Complex Systems Based on Goal Oriented Methodology	Orlando Duran, Adolfo Crespo, Vicente González-Prida, Antonio Guillén	Throughput-Centered Physical Assets Priorization Technique	Component availability analysis considering time-dependency of parameters influencing transition rates	Reliability analysis of aerodrome's electronic safety systems taking into account electromagnetic interferences	Safety Modeling of Port, Shipping and Ship Traffic and Port Operation Information Critical Infrastructure Join Network related to Its Operation Process		Mónica López-Campos, Christopher Nikulin, Rosa González-Ramírez, Luis Ascencio
Do non-governmental organizations relate to risks and uncertainties in an extreme manner?	Areas of verification and improvement of SAM strategies with Level 2 PSA: Preliminary analyse for possible options for WWER-1000	A New Reliability Assessment Method for Complex Systems Based on Goal Oriented Methodology								Integrated methodology for decision making: study of the main routes carrying dangerous cargoes in the Valparaiso region
20.6. Parallel sessions, Tuesday afternoon early, 4 papers per sesion										
14:00-15:20	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Risk Assessment 1	Nuclear Safety - PSA Applications 1	Air Traffic Safety	Maintenance Modelling 1	Risk Assessment of Chemical Facilities 1	Qualitative Reliability Methods	Critical Infrastructure Safety 2	Reliability Data and Testing 2	Transport Risk Management	Workshop - BQR - Reliability & Maintenance
937	745	691	773	998	740	838	824	1171		
Lorenzo Fedele, Lucilla Monteleone	Moath Kassim, Gyunyoung Heo	Jacek Skorupski	Tiedo Tinga, Wieger Tiddens, Filippos Amoiralis, Michail Politis	Matteo Spada, Pierre Boutinard Rouelle, Peter Burgherr, Domenico Giardini	Qamar Mahboob, Bernd Altmann, Stephan Zenglein	Ewa Kuligowska, Krzysztof Kolowrocki, Joanna Soszyńska-Budny	Jon Tømmerås Selvik, Eric Patrick Ford	Max Mendel, Pieter van Gelder		
Safety, maintenance and nanotechnologies: an introductory state of art about the risk assessment methodologies and the potentialities	Detection and Classification of NPP Accidents Scenarios based on Residual Sign Matrices (RSMs)	On the nature of serious incidents in air traffic	Predictive maintenance of maritime systems: models and challenges	Comparative risk assessment of hydrogen accidents in Europe	IFF-MECA: Combined handling of interfaces, functions and components based failure analysis	Safety of maritime ferry related to its operation process	Maintenance data collection for subsea systems: A critical look at terms and information used for prediction of downtime	Inversive Distance as a Measure of Collision Risk		
981	907	692	747	680	889	840	943	784		
Marta Bucelli, Eivind Okstad, Nicola Paltrinieri, Valerio Cozzani	Shahabeddin Kamyab, Ahmad Pirouzmand, Kaveh Karimi, Faramarz Yousefpour	Jacek Skorupski, Piotr Uchroński	Maxime Redondin, Laurent Bouillaut, Dimitri Daucher, Nadège Faul	Cristina P. Medeiros, Marcelo H. Alencar, Adiel T. de Almeida	Bruno Vidal Silva, Clésio Dias, Salvador Ávila Filho	Ewa Kuligowska, Krzysztof Kolowrocki, Joanna Soszyńska-Budny	Nika Nowizki, Peter Zeiler, Bernd Bertsche, Heinrich Moedden	Gabriela Gongora Svartzman, Jose Emmanuel Ramirez-Marquez		
Advanced methods for risk analysis with integrated perspective	Evaluating Technical Specification for Emergency Diesel Generator from the CDF Point of View in a typical NPP	Walk-through metal detector assessment as a part of airport security management	Temporal clustering of retroreflective marking	Information visualisation supporting a decision-making process in the management of multidimensional risk in gas pipeline	Reliability research in rotary for acidic systems in the dimensions of management, technology and human factors	Integrated model of maritime ferry safety related to its operation process including operating environment threats	Field Data Analysis of Multi Spindle Lathes for a Proven-In-Use Assessment	Commuting Time Variations and Reliability of Subway Systems in the Presence of Disruptions. The Case Study of New York City		
986	942	1135	956	681	903	960	959	1068		
Sandra Hogenboom, Jan Erik Vinnem, Ingrid Bouwer Utne	Kilyoo Kim, Dae Il Kang	Ivonne Herrera, Matthieu Branlat, Audun Vennesland, Martina Ragosta, Alberto Pasquini	Zoe Nivolianitou, Nicolaos Defteraios, Ioannis Ziomas, Chryss Caroni, Olga Aneziris	Cristina P. Medeiros, Marcelo H. Alencar, Adiel T. de Almeida	Christopher Nikulin, Carlos Acuña, Monica Lopez-Campos, Rodrigo Madrid, Cristobal Fernandez	Krzysztof Kolowrocki, Joanna Soszyńska-Budny, Mateusz Torbicki	JiPeng Wu, Xiaoyang Li, Rui Kang	Asbjørn Lein Aalberg, Elisabeth Hansson Blix, Nathaniel John Edwin, Rolf Johan Bye, Vegar Berntsen		
Towards an Online Risk Model for DP Operations: Decision-making and Risk Information	A Study on Initiating Event Models Induced by Fire in a Fire PRA	A Modelling Framework for Resilience Management: Practical benefits in real Air Traffic Management cases	RBIM in Refineries, case study: predicting H2 corrosion	Uncertainty sensitivity analysis prior to making a final recommendation to the Decision Maker in a multidimensional risk of gas pipelines	A creative Root Cause Analysis integrated with Problem Solving approach to better drives maintenance's strategies.	Critical infrastructure integrated safety model related to climate-weather change process applied to port oil piping transportation system operating at land Baltic seaside area	The reliability tests for biomedical devices: a review	A quantitative indicator-based model to support risk-based supervision in the Norwegian Maritime Authority		
1008	1148	777	1181	1011	958	961	888	684		
Silvia Ansaldo, Patrizia Agnello, Paolo Bragatto	Sanghee Kang, Han Gon Kim, Hyun Gook Kang	Max Butter	Katarzyna Pietrucha-Urbanik, David Valis, Zdenek Vintr	Deshai Botheju, Kumuduni Abeysinghe	Pierre Dersin, Benjamin Lamoureux, Allegra Alessi, Olga Fink, Mehdi Brahimi	Krzysztof Kolowrocki, Joanna Soszyńska-Budny, Mateusz Torbicki	Hongwei Cheng, Jin'e Huang, Dong Xu	Olga Becherova, S. Hoskova-Mayerova		
Technological Readiness and Effectiveness of "Smart Systems" for the Control of Major Accident Hazard	Evaluation of Operation Strategy to Enhance the Safety using High Pressure Emergency Makeup System during SBLOCA	Evaluation of the risk of runway overrun using flight data monitoring	Water Network Condition Assessment Using Analytic Hierarchy Process	New directions in Safety & Environmental Management and Policy: A Brief Update on Petroleum Industry	Prognostics and Health Management in Railways	Safety of maritime ferry operating at Baltic sea open waters related to climate-weather change process including extreme weather hazards	Research on the Safety Parameters Relationship of Reliability Verification Test	Rail infrastructure as part of the critical infrastructure		
20.6. Parallel sessions, Tuesday afternoon late, 5 papers per sesion										
15:40-17:20	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Risk Assessment 2	Nuclear Safety - PSA Applications 2	A Marie Skłodowska-Curie Innovative Training Network in Structural Safety 1	Security Assessment 2	Resilience Engineering 2	Structural Reliability 1	Software Risk Assessment	Reliability Data and Testing 3	Organisational Factors	Workshop - BQR - Reliability & Maintenance
1172	1177	715	771	689	730	698	763	1001		
Zhiguo Zeng, Enrico Zio	Gueorgui Petkov, Ivan Petkov	Guang Zou, Kian Banisoleiman, Arturo González	Donya Fakhrravar, Nima Khakzad, Genserik Reniers, Valerio Cozzani	Tor Stålhane, Stig Ole Johnsen	Mitja Franko, Branislav Panič, Marko Nagode	Antti Pakonen, Kim Björkman	Solfrid Håbrekke, Stein Hauge, Mary Ann Lundteigen, Åsa Sniltveit Hoem, Lin Xie	Gwen Kleijn van Willigen, Frederik Mohrmann, Alfred Roelen, Hendrik van Meerveld		
Interval-valued importance measures for business continuity management	Dynamic human performance context comparison for severe accident management during long term station blackout in light water reactors	Reliability-based inspection planning in view of both crack initiation and propagation	Security Risk Assessment of Gas Pipelines Using Bayesian Networks	Resilience Engineering and safety in Agile Development (through SafeScrum)	Damage based reliability prediction of dynamically loaded components	Model checking as a protective method against spurious actuation of industrial control systems	Modified generic failure rates for safety instrumented systems based on operational experience from the oil and gas industry	Implementing Risk Based Asset Management		

1069	1178	802	918	982	955	930	1179	1044		
Henrik Hassel, Alexander Cedergeren	Chao Zhang, Yanqin Su, Hongxing Lu	Matteo Vagnoli, Rasa Remenyte-Prescott, John Andrews	Eleonora Pilone, Micaela Demichela, Gianfranco Camuncoli	Ralf Mock, Christian Zipper	Mahmood Shafiee, Ebitimitula Etebu	Aida Omerovic, Marit Kjosnes Natvig, Isabelle Catherine Rebecca Tardy	Sarka Hoskova-Mayerova, Svajone Bekesiene, Martin Hubacek, Martin Bures	Marja Ylönen		
A method for combined risk and continuity management in a municipal context	Discussion on Reliability Assurance Program for Safety Related System in Digital I&C System of NPP	A Bayesian Belief Network approach for railway bridge condition monitoring and fault detection	A local semi-quantitative methodology to evaluate the main territorial risks and their interactions	Embedding Resilience Assessment into Risk Management	Contributions of Structural Health Monitoring to the Reliability of an Offshore Fixed Platform	Privacy Scorecard – Refined Design and Results of a Trial on a Mobility as a Service Example	Vehicle movement modelling possibilities for defense and crisis management	Licensee's relationship with the suppliers - simple rules, lessons learned		
1029	872	805	911	1076	1062	1063	753	1038		
Daniel Lichte, Kai-Dietrich Wolf, Nadine Schlüter, Stefan Marchlewitz	Jaemin Yang, Jonghyun Kim, Namcheol Kim	António Barrias, Joan Ramon Casas, Sergi Villalba, Gerardo Rodriguez	Gabriele Landucci, Francesca Argenti, Genserik Reniers, Valerio Cozzani	Bjarne Rød, Christer Henrik Pursiainen, Nina Reitan, Karolina Storesund, David Lange, Miguel Miranda Silva	Canio Mennuti, Giuseppe Augugliaro, Paolo Lenzuni, Fabio Brini, Paolo Quaresima, Paolo Bragatto	Haitao Zhao	Yue Shao, Xiaohui Wang, Wenhao Xing, Liwei Sun, Zhiqiang Li	Lillian Katarina Stene		
An Approach to Holistic Safety and Security Risk Assessment Considering Contradictory Requirements under Uncertainty	Analysis of Errors of Commission for the Low Power and Shutdown Operation of APR1400 by Using CESA and MDTA Methods	UPC - BarcelonaTech experience on the use of Rayleigh based distributed optical fiber sensors for SHM of concrete structures	Quantitative performance assessment of physical security barriers for chemical facilities	Evaluation of resilience assessment methodologies	Assessment of structural damage to civil and industrial structures with Acoustic Emission	Assessment of soft error effect on satellites	Research on Establishment Method of Natural Environmental Spectrum and Accelerated Test Environmental Spectrum	"Unity of effort" in the new wars		
1147	1120	970	1140	1093	1026	1152	967	785		
Jose Pereira, Felipe Furtado Leite, Cloves Nogueira Garcia, Gabriel Marques de O. Jesus	Quentin Baudard, Pierre Le Bot	Federico Perrotta, Tony Parry, Luis C. Neves	Sissel Haugdal Jore	Ivo Häring, Johannes Scheidereiter, Stefan Ebenhöch, Dominik J. Schott, Leonhard M. Reindl, Sven Köhler, Christian Schindelbauer, Joan Bordoy, Hermann Scheithauer, Stefan Kaufmann	Jukka-Pekka Hietala, Petteri Ojala, Petteri Multanen, Juha Miettinen, Pentti Saarenrinne	Marek Pawlik	Fuqiang Sun, Ning Wang, Ye Fan, Tongmin Jiang	Yanming Xiong, Ying Liu, Youjian Zhang		
Risk Assessment of Quality Management System Failure via Analytic Hierarchy Process (AHP) and the effects on Organizational Sustainability	Modelling human operations during a nuclear accident: the Fukushima Daiichi accident, in light of the MONACOS method.	Using truck sensors for road pavement performance investigation	The Risk and Value Nexus in Security Risk Management	Analytical engineering process to identify, assess and improve technical resilience capabilities	Fatigue Lifetime Estimation of Machine Component Using Accelerated Testing	Railway Global System for Mobile Communication, safety of the possible enhanced services	An imputation method for missing degradation data based on regression analysis and RBF neural network	Surety engineering and its applications in high consequence systems		
701	812	1002	835	1141	847	1145	1061	794		
Siqi Qiu, Yijian Zheng, Xin Guo Ming, Yunhui Hou, Mohamed Sallak	Sérgio Dias Costa, Leonardo Teixeira Marcos, Celso Marcelo Jefferson Borges Araújo	Abdollah Malekjarfarian, Daniel Martinez Otero, Eugene OBrien	Petra Beňová, Michaela Vašková	Roshanak Nateghi, Allison C. Reilly	Marek Sokolski, Piotr Sokolski	Zhaowu Xu, Jing Wang, Jiming Chen, Yong Jiang, Ziming Wang	Marcin Hinz, Annika Mueller, Bianca Backes, Stefan Bracke	Malin Knutsen Glette		
Evaluation of the occurrence probability of a railway accident with parametric uncertainties and failure dependencies using Binary Decision Diagram	Safety Electronic systems reliability monitoring program in nuclear power plant - Reactor Protection System Follow up	Pavement Condition Measurement at High Velocity using a TSD	Ensuring the security of selected soft targets	Holistic Approaches to Infrastructure Risk Reduction: Effective Investments Through Pluralism	Assessment of safety of large size ring girders in bucket wheel excavators – a case study	Failure Mode and Effect Analysis of Large Space Environment Simulator	Simulation driven optimization of testing conditions of dental implants.	General practitioners decision-making in questions of hospital admissions—a review of the literature		
21.6. Parallel sessions, Wednesday morning early, 3 papers per session										
10:00-11:00	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Maintenance Optimisation	Reliability and Gamma Process	Autonomous Vehicles	Cyber security	Risk Assessment of Chemical Facilities 2	Resilience Engineering 3	Common Cause Failures	Tunnel Safety	Human Factors 1	Reliability in Geotechnics
739	1176	980	1052	1066	860	880	1102	987	941	
Radim Bris, Nuong Thi Thuy Tran	Mestapha Oumouni, Franck Schoefs, Bruno Castanier	Mario Brito	Birgit Milius, Po-Chi Huang	Giuseppa Ancione, Isaak Kavasidis, Maria Francesca Milazzo	Armando López-Cuevas, Jose Emmanuel Ramirez-Marquez	Mengfei Fan, Zhiguo Zeng, Enrico Zio, Rui Kang, Ying Chen	Blaž Luin, Stojan Petelin	Claudia Morsut, Bjørn Ivar Kruke	Sónia Marques	
Optimization of maintenance policies for complex and highly reliable multi-unit systems	Spatio-Temporal modelling of degradation processes through stochastic Gamma and Gaussian processes	Towards Building a Safety Case for Autonomous Surface Vehicles: A Bayesian Perspective	A roadmap to a safer railway: How the IT security threat will influence the way we handle railway operations in the future	Improving safety of crane-related operations in chemical industry by the support of a real-time computer-aided visual guidance system	Characterizing Community Resilience through Mood Novelty	Modeling common-cause failures using stochastic hybrid systems	Road tunnel operator training on computer simulators	Human factors in crisis governance: the L'Aquila case.	Design Point Simulation in the Context of Evaluation of Probability Bounds in Geotechnics	
1040	863	844	1137	947	997	1050	1162	673	1143	
Vasiliki Klonari, Tuan Phong Nguyen, Pierre-Etienne Labeau, Stefaan Verstraeten	Massimiliano Giorgio, Agostino Mele, Gianpaolo Pulcini	Caroline Bianca S. T. Molina, Rodrigo Ignacio Rojas González, João B. Camargo Jr, Jorge R. de Almeida Jr, Lucio F. Vismari, Jamil K. Naufal Jr, Rafia Inam, Carlos R. B. Azevedo	Marek Pawlik	Willy Røed, Torbjørn Bjerga	Beatrice Cassottana, Shen Lijuan, Tang Loon Ching	Christian Tanguy	Mona Svela, Ove Njå	Carlos Parra, Vicente González-Prida, Adolfo Crespo, Juan F. Gómez, Pablo Viveros, Fredy Kristjanpoller, Antonio Guillén	Sónia Marques	
Optimisation of offshore wind farm maintenance strategy considering the variability of the efficiency of imperfect maintenance interventions	A perturbed gamma process with non-gaussian state-dependent errors	A Comparison of Two Simulators to Support Safety Analysis in Autonomous Vehicles	Safety, security and cybersecurity in railway operation	Holistic understanding and structure of environmental safety barriers in the oil and gas industry	A data-driven graphical approach to quantify learning capability for systems resilience: A case study on the U.S. electric power grid	Influence of disk common-cause failures on the data unavailability in Cloud storage systems	Systems engineering to address learning of road tunnel fire safety	Audit Proposal for Maintenance, Reliability and Warranty Management Process	Effects of Correlation in the Context of Evaluation of Probability Bounds in Geotechnics	
711	719	1086	910	811	867	797	759	949	1161	
Emanuele Pascale, Laurent Bouillaut, Thierry Freneaux, Raffaele Sista, Paolo Sannino, Pietro Marmo	Xinlei Zhao, Xiaohong Wang, Lizhi Wang, Dawei Lu, Tongmin Jiang	Paula Lakomicki, Bruno Castanier, Antoine Grall, Paul Schimmerling, Thierry Cembrzynski,	Denise Tellbach, Yan-Fu Li	Atsuko Nakai, Kazuhiko Suzuki	Ann Britt Skjerve, Kaupo Viitanen, Christer Axelsson, Rossella Bisio, Hanna Koskinen, Marja Liinasuo	Huan Wu, Jian Jiao, Tingdi Zhao	Natalia Vatsvåg, Espen Olsen	Jana Markova	Sónia Marques	

	Application of the Weibull distribution for the optimization of maintenance policies of an electronic railway signaling system	A reliability evaluation method based on Gamma process with ADT	Olivier Cayol How to assess the reliability in case of a scalable random environment: application on the autonomous vehicle	A Survey on the Cyber-Security of Distributed Generation Systems	Accident simulator for risk assessment of non-steady work of chemical plant	Learning from Successes in Nuclear Operations – A Guideline	A combined modeling and analysis method for probabilistic common cause failures in phased-mission system	A study of determinants of perceived tunnel safety among Norwegian road users	Analysis of climate changes for evolution of Eurocodes	Classification of Failure Modes by Fitting and Pattern Recognition Tools in the Context of Evaluation of Probability Bounds in Geotechnics
21.6.	Parallel sessions, Wednesday morning late, 4 papers per session									
11:20-12:40	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Bayesian Methods	Probabilistic Methods Applied to Power Systems 2	Nuclear Safety - PSA Applications 3	Risk Assessment 3	Software Modelling and Analysis	Structural Reliability 2	Aircraft Safety	Infrastructure Reliability Modelling	Economic Analysis in Risk Management 1	Human Factors 2
	733	908	708	994	766	893	770	1128	737	1054
	Jack Reeves, Rasa Remenyte-Prescott, John Andrews	Hiba Baroud, E.D. Wollega, V. Winckler	Sok Chul Kim, Jong Seuk Park, Byung Soon Kim, Nam Chul Cho, Dong Ju Jang, Joong Woo Bae, Yong Hun Lee	Stig Johnsen, Tor Stålhane	Lixuan Lu, Phillip McNelles	Arne Bang Huseby, Erik Vanem, Karoline Eskeland	Ludwig Drees, Joachim Siegel, Phillip Koppitz, Florian Holzapfel	Caroline Johnson, Roger Flage, Seth Guikema	Wieger Tiddens, Olaf Brouwer, Jan Braaksma, Tiedo Tinga	Birgit Milius
	A sensor selection method for fault diagnostics	Renewable Energy Supply Risk Modeling and Analysis	A methodology of the threat assessment for LOLA due to malicious aircraft crash onto NPP	Safety, security and resilience of digital ecosystems.	Analysis of fault tolerant design methods for single event effects in field programmable gate array-based systems using the dynamic flowgraph methodology	Evaluating properties of environmental contours	Quantifying probabilities of exceeding the maximum Mach number in cruise flight using operational flight data	Review of Network-Theoretic Approaches to Characterise Interdependencies in Critical Infrastructure	The business case for condition-based maintenance: a hybrid (non-) financial approach	Human factors and their application in railways
	724	944	966	845	1017	685	1000	787	865	757
	Xinrui Ma, Zili Wang, Dongming Fan, Yi Ren	Roberto Rocchetta, Edoardo Patelli	Myung Ro Kim, JaeGab Kim	Stefan Bracke, Fabian Reinecke, Roland Goertz	Insaf Sassi, Alexia Gouin, Jean-Marc Thiriet	Seong-Yeob Lee, Daejun Chang, Choonghee Jo	Mariusz Zieja, Michal Jasztal, Slawomir Stepien, Mariusz Wazny	Jan Prochazka, Dana Prochazkova	Yaqian Wang, Yufeng Sun	Oddveig Reiersdal Aaberg, Siri Wiig
	An Enhanced GO Methodology with Multiple Signal Transmission Types based on Bayesian Network	An Efficient Framework for Reliability Assessment of Power Networks Installing Renewable Generators and Subject to Parametric P-box Uncertainty	The analysis method of initiating events (IEs) for Low Power Shutdown Level 1 PRA	Risk Scenarios, Reliability Challenges and Safety Concept Approach for Second Life Lithium-Ion Battery Systems out of Automotive Technologies	Diagnosis Architecture Reconfiguration for a Networked Mobile Robot	An approach to determine component reliabilities of pile-guided floater based on economic evaluation	The reliability analysis of on-board storage batteries during the operation of aircrafts	Drinking Water Supply Failure	Costs model for Two-Dimensional Lifetime Warranty Policies based on Combined Repairs	Interprofessional Team training in Hospital Wards - a Literature Review
	883	1077	965	1012	1007	780	954	Presentation only:	1129	778
	Sean Loughney, Jin Wang, Paul Davies	Gamze Dogan, Pierre-Etienne Labeau, Jean-Claude Maun, Jonathan Sprooten, Cindy Bastiaensen, Kristof Sleurs	Jaegab Kim, MyungRo Kim	Heinrich Moedden	Miha Pielick, Miha Mraz	Zhanpeng Shen, Xueqian Chen, Xinen Liu	Marta Woch, Mariusz Zieja, Norbert Grzesik	A. Scherb, D. Straub, L. Garrè	Lubos Kotek, Lukas Jirka, Zdenek Tuma	Kristýna Binková, Andrea Brichová
	Bayesian network modelling for offshore installations: Gas turbine fuel gas release with potential fire and explosion consequences	The 'discrete forecast error scenarios' method for grid reliability assessment in short-term planning: application to the Belgian grid	The effect to Core Damage Frequency for Low Power Shutdown PSA in the change of period of scheduled outage	Probabilities in safety of machinery – a real risk reduction has to replace the prevention paradox which is focussing merely on hypothetical risk estimations	Suitability of FRAM method for hazard analysis of ATM functional system of Slovenia Control Ltd.	Reliability Analysis of Polymer Bonded Explosive Based upon Aleatory and Epistemic Uncertainties	A method to assess the reliability of the aircraft airframe on the basis of operational data	Component importance in power grids subject to natural hazards and cascading failure events	Risk based spare part management for machines in decommissioning	Competency to leads others as a tool of crisis management in active and second career
	Presentation only:	1134	977	1020	714	782	1155		Presentation only:	831
		Shijia Du, Rui Kang, Zhiguo Zeng, Enrico Zio	Moosung Jae, Jintae, Goon-Cherl Park	Paolo Bragatto, Gaetano Gorrino, Paola Castellano	Fabio Postiglione, Mario Di Mauro, Giovanni Galatro, Maurizio Longo, Marco Tambasco	Shufeng Zhang, Dong Xu, Li Zhang, Yuanxiang Jiang, Xun Chen, Jiang Yu	Hongli Wang, Deming Zhong, Tingdi Zhao		Mostafa Seraj, Ali Hadi, Davood Shahsavani	Zeinabsadat Nezamodini, Zahra Rezvani, Zeinab Musavianasl
	Bayesian self-referencing reliability assessment of sensor systems: Theory and application to automotive environment sensing	Time-dependent reliability assessment of a distributed generation system based on multi-valued decision diagrams and Markov processes	Reliability Assessment of A Decay Heat Removal System in A SFR Using Reliability Physics Model	Reliability of fixed and mobile systems for artificial avalanche detachment	Availability evaluation of a Virtualized IP Multimedia Subsystem for 5G network architectures	Reliability analysis of composite structures considering the statistical correlation between ply mechanical properties	Aircraft system safety analysis based on failure propagation model	Estimate sustainability and durability accounts for liquidity risk of liability side analysis	SPAR-H method for human error assessment: A case study in control room of an alcohol company	
21.6.	Parallel sessions, Wednesday afternoon early, 4 papers per session									
14:00-15:20	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	System Reliability and Manufacturing	Probabilistic Methods Applied to Power Systems 2	A Marie Skłodowska-Curie Innovative Training Network in Structural Safety 2	Mathematical Methods in Reliability and Safety 1	Risk Management and Accidents Analysis	Structural Reliability 3	Occupational Safety 1	Organizational Factors	Economic Analysis in Risk Management 2	Human Reliability in Nuclear Facilities
	1131	1157	1107	962	1034	873	755	1156	720	978
	Evenye Monono Enjema, Mahmood Shafiee, Athanasios Kolios	Gorazd Bone, Rafael Mihalič	John Moughty, Joan Ramon Casas	Luiz Fernando Oliveira, Joaquim Domingues, Frank Borre Pedersen, Andreas Hafver	Peter Burgherr, Matteo Spada, Anna Kalinina, Stefan Hirschberg, Wansub Kim, Patrick Gasser, Peter Lustenberger	Bernt Leira, Sebastian Thøns	Kristiane M. F. Lindland, Anne Mette Lind Hermansen, Hege Moberg	Christian Henrik Alexander Kuran, Ove Njå	Rui Du, Min Huang	Moosung Jae, Seunghyun Jang
	A Study on the Reliability of BlowOut Preventer (BOP) Systems in Deepwater Erratic Conditions	Probabilistic Power Flow Analysis of a Power System Containing FACTS devices	Evaluation of the Hilbert Huang Transformation of Transient Signals for Bridge Condition Assessment	Combining Time-Dependent Reliability and Bayesian Networks for Risk Monitoring of Subsea Wells	The Energy-related Severe Accident Database (ENSAD) for comparative risk assessment of accidents in the energy sector	System reliability of concrete structures subjected to chloride ingress	Securing employees against hazardous clients in challenging contexts	Using ethnographic methodology in the study of safety in complex sociotechnical systems	Economic Design of CUSUM Control Charts Under Preventive Maintenance and Loss Functions	A Computer Code to Calculate Human Error Probabilities During Implementing Severe Accident Mitigating Strategies
	1048	1169	1105	974	1116	815	769	1053	1150	1139

	Shenae Lee, Mary Ann Lundteigen, Nicola Paltrinieri, Yiliu Liu, Magne Rød, John Dale	Jerneja Bogovic, Rafael Mihalic	Barbara Heitner, Eugene J. O'Brien, Franck Schoeefs, Thierry Yalamas, Cathal Leahy	Jozef Zurek, Jaroslaw Ziolkowski, Anna Borucka	Sandra Hogenboom, Jan Erik Vinnem, Ingrid Bouwer Utne	Zhengwei Fan, Yu Jiang, Shufeng Zhang, Xun Chen	Maria Therese Jensen, Espen Olsen	Birgit Milius, Heinz-Peter Berg, Stephan Griebel	Vytis Kopustinskas, Pavel Praks	Luca Podofillini, Vinh N. Dang
	A new design concept of blowout preventers for decision support	Probabilistic load flow in Slovenian power system	Comparative study on Bayesian updating of bridge safety model	A method for determination of combat vehicles availability by means of statistic and econometric analysis	Organizational risk indicators for dynamic positioning operations – Learnings from 20 years of FPSO – shuttle tanker incidents and accidents	Research on Vibration Characteristics of Composite Cantilevered Plate with Delamination Damage	Health Risk and Risk of Job Insecurity during Organizational Change: The Influence of Learning Demands and Role Ambiguity	Managing change of safety-critical infrastructure via STAMP	Effect of investments to security of gas supply: a probabilistic cost-benefit case study	First results from an analysis of recent operational events involving errors of commissions
	1049	869	1146	792	768	875	919	1051	1088	1109
	Shorash Miro, Matteo Broggi, Michael Beer, Tobias Willeke, Jörg Seume	Blaž Kirn, Marko Čepin, Marko Topič	Giulia Milana, Kian Banisoleiman, Arturo Gonzalez	Marcela Rabasová, Zygmunt Korban, Ondřej Pavlík	Tomáš Kertis, Dana Procházková, Jan Procházka	Yanlei Wang, Hongwei Cheng	Lorenzo Comberti, Gabriele Baldissone, Micaela Demichela, Mario Patrucco, Luisa Maida	Trine Marie Stene, Anandasivakumar Ekambaram, Margit Hermundsgård, Agnar Johansen	Leif Inge Kjærvoll Sørskår, Eirik Bjorheim Abrahamsen, Håkon Bjorheim Abrahamsen	Dhruv Pandya, Luca Podofillini, Frank Emert, Anthony J. Lomax, Vinh N. Dang, Giovanni Sansavini
	Survival signature approach for the reliability analysis of an axial compressor	Effective load carrying capability of solar photovoltaic power plants – case study for Slovenia	Field Characterization of Location-specific Dynamic Amplification Factors towards Fatigue Calculations in Ship Unloaders	A comparison of safety and efficiency of protection systems in carotid artery stenting	Railway accidents in the Czech Republic, causes of risks and their mitigation	A study on the statistical properties of the fatigue damage of Gaussian random loadings	Investigation on the impact of National regulations on the occupational safety	Start-up processes in large construction projects – a requirement for a happy end?	On the use of economic analyses when evaluating new technology in helicopter emergency medical services	Quantification of human failure probabilities for radiotherapy: relevance of THERP's values
	813	727	1173	723	1043	898	964	969	1149	779
	Andrzej Surowiecki, Jacek Ryczyński	Cheng Yu, Fu Guicui, Jiang Maogong, Qiu Yao	Sofia Antonopoulou, Ciaran McNally	Yahui Li	Shenae Lee, Yiliu Liu, Nicola Paltrinieri	Wei Zhang, Yijia Song	Sebastian Martorell, Vicente Gallego, Ana Isabel Sánchez	Maria Grazia Gnoni, Joseph Homer Saleh	Olivier Nusbaumer	Sun Yeong Choi, Wondea Jung, Yochan Kim, Jinkyun Park, Seunghwan Kim
	State of strain of physical model road embankment stabilized retaining wall composed of gabion's elements	Lifetime estimation for IGBT modules in power converter under power fluctuation condition	Reliability assessment of braided FRP reinforcement for concrete structures	A Novel Strategy for Fault Propagation Study of Complicated Gear System Based on Network Theory	Modelling hazardous event scenarios for decision support	An equivalent method considering interaction on fatigue reliability analysis	Trend analysis in time series of occupational health indicators in Spain from 1995 to 2015	How Near Miss Management systems and System Safety Principles could contribute to support High Reliability Organizations	Exact parametrization of ARMA models using the EM-algorithm	Application of qualitative unsafe act analysis under simulated emergency
21.6. Parallel sessions, Wednesday afternoon late, 6 papers per session										
15:40-17:40	Room Europa	Room Europa C	Room Europa D	Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
	Mathematical Methods in Reliability and Safety 2	Airport Security	A Marie Skłodowska-Curie Innovative Training Network in Structural Safety 3	Maintenance Modelling 2	Risk Management 2	Structural Reliability 4	Failure Mode And Effects Analysis	Organizational Factors in Transport	Risk Assessment and Accident Modelling	System Reliability 3
	926	905	1047	1045	1183	650	874	1074	1027	712
	Nima Khakzad, Genserik Reniers, Pieter van Gelder	Miroslaw Siergiejczyk, Karolina Krzykowska, Adam Rosiński	Rui Teixeira, Alan O'Connor, Maria Noga, James Nichols, Mark Spring	Anne Barros, Nicolas Lefebvre, Michel Roussignol	Maria Chiara Leva, Brian McAleer, Michael Roche, Donal Brogan	Eva Lantsoght, Cor van der Veen, Dick Hordijk, Ane de Boer	Cléssio Dias, Bruno Vidal, Salvador Ávila Filho	Ragnar Rosness, Stine Skaufel Kilskar, Ranveig Kviseth Tinmannsvik, Kinga Wasilkiewicz	Sebastian Sochacki, Stefan Bracke	Zdenek Vintr, Michal Vintr
	On the application of analytic network process to security risk assessment of chemical facilities	Reliability-exploitation analysis of electronic power systems used for airport security	Structural probabilistic assessment of Offshore Wind Turbine operation based on Kriging response interpolation	Modeling Weibull lifetime law and inspection based maintenance for Safety Instrumented Systems	Risk Register and Risk intelligence: the challenge of operational risks in the energy sector	Reliability index after proof load testing: viaduct De Beek	Implementation Proposal of Industrial Equipment Maintenance Plan Evaluation Offshore: an Application Case Practical Tool Failure Mode and Effects Analysis – FMEA	Safety impacts of internationalisation in the Norwegian railway sector	The comparison of the estimation and prognosis of failure behaviour in product fleets by the RAPP method with state-of-the-art risk prognosis models within the usage phase	Tools for Components Reliability Prediction
	756	850	1113	798	818	917	1056	1035	760	1094
	Jacek Malinowski	Michaela Vašková, Jitka Johanidesová	Yan Xu, Farhad Huseynov, James M. W. Brownjohn, Eugene J. O'Brien, David Hester	Long Xue, Dongzhou, Biao Qiu, Wenqiang Zhou	Håvard Fridheim, Torje Grunnen, Stein Malerud	Martin Krejsa, Jiri Brozovsky, David Mikolasek	Anis Baklouti, Faida Mhenni, Nga Nguyen, Jean-Yves Choley, Abdelfattah Mlika	Trine Marie Stene, Ragnhild Wahl, Reidun Svarava, Jan Alexander Langlo	Axel Berres	Lele Qi, Zhiqiang Li, Lei Li
	A fast algorithm finding minimal cut-sets in a network for the purpose of computing an upper bound on its reliability	The Security of Air Transport Infrastructure	Tracking deflection in the field using optical system: a case study	Research on measurement method of on-orbit maintenance time	How to develop fit for purpose scenarios for crisis management exercises	Probabilistic reliability assessment of steel elements exposed to fatigue using Bayesian approach	Improved System Architecture and Behavior Based on FMEA Recommendations	Digitalization of the Rail Network – Challenging the Traffic Management	Trade-off analysis for different architectures of safety-critical systems	Research of reliable life assessment for cemented carbide cutting tool
	1059	742	1123	796	916	988	868	1092	1174	975
	Pierre Dersin, Cristian Maiorano	Pietro Carlo Cacciabue, Italo Oddone, Ivan Rizzolo	Siyuan Chen, Debra F. Laefer, Jonathan Byrne, Atteyyeh S. Natanzi	Yong Yang, Zhijun Cheng, Bo Guo	Lech Bukowski, Jerzy Feliks	Mariusz Zieja, Michał Jaształ, Sławomir Stepień, Mariusz Wazny	Vladimíra Osadská, Lukáš Pospíšil, Aleš Bernatík	Tor Erik Evjemo, Åsa S. Hoem	Lars Ole Grottenberg, Ove Njå	Jozef Zurek, Jaroslaw Ziolkowski, Anna Borucka
	Reliability Demonstration Tests: Decision Rules and Associated Risks	Risk methods for the assessment of security of large structures: the case of an international airport	The effect of angles and distance on image-based, three-dimensional reconstructions	A conditional based maintenance model for long storage products with imperfect repair actions	Imperfect Knowledge Based Prediction of Disruption Risk in Large Scale Complex Systems	The analysis of the fatigue crack growth rate in pipeline elements in two-dimensional depiction	Combination of FMEA and Stochastic DEA for risk analysis	Aviation in the context of globalization: Characteristics and potential safety challenges from the perspective of a full-service carrier	Assessing the use of GIS in the Norwegian emergency management domain	Application of Markov processes to the method for analysis of combat vehicle operation in the aspect of their availability and readiness
	1097	829	1142	725	688	628	1167	851	669	882
	Alessandro Mancuso, Michele Compare, Ahti Salo, Enrico Zio	Daniel Lichte, Kai-Dietrich Wolf	Md Shah Nur Alam Sourav, Salam Al-Sabah, Ciaran McNally	Jianxing Lu, Xiaohong Wang, Lizhi Wang, Tongmin Jiang	Eirik Bjorheim Abrahamsen, Willy Røed	Yang Chen, Yi Yang, Jinsong Yang, Jingjing He	Jiangsheng Zhu, Kuichao Ma, Mohsen Soltani, Zhe Chen	Bjørn-Morten Batalden, Are Kristoffer Sydnes	Alexey Leksin, Uli Barth, Damir Adeulov, Ralf Mock	Min An, Yao Chen
	Risk-informed decision making under incomplete information: portfolio decision analysis and credal networks	Quantitative Multiple-Scenario Vulnerability Assessment Applied to a Civil Airport Infrastructure	Post-installed concrete screws for in-situ assessment of mortar strength	Imperfect preventive maintenance model study based on product degradation process considering cost and availability	The safety of major hazard sites – evaluation of third party risk	Quantitative assessment of crack size based on Lamb wave method	Failure Mode and Effect Analysis for Wind Turbine Systems in China	What causes 'very serious' maritime accidents?	Comparison of Dutch and Russian standards for calculating the risks of a vapour cloud explosion	Fuzzy Reasoning Approach and Fuzzy Analytical Hierarchy Process for Expert Judgment Capture and Process in Risk Analysis
	517	788	1042	810	743	752	920	1070	789	963
	Fei Long, Peter Zeiler, Bernd Bertsche	Dana Prochazkova, Jan Prochazka	Alberto Gonzalez Merino, Luis Costas	Antonio J. Guillén, G. Turconi, G. Ventola,	Thor Myklebust, Tor Stålhane, Robert	Liu Huawei, Liu Yuqiang, Tan	Jacek Kalowski	Asbjørn Lein Aalberg, Rolf Johan Bye	Dana Prochazkova, Jan Prochazka	Jaime Santos-Reyes, Galdino Santos-

			de la Peña, Arturo González	V. González-Prida, J. Gómez, A. Crespo	Bains, Geir K. Hanssen	Chunlin, Liu Yongjian, Zhang Jianguo, Yang Lechang				Reyes, Tatiana Gouzeva
	Modelling the interaction in redundant production systems for analysing their productivity and availability with high-level Petri nets	Causes of accidents in civilian aircraft operation and tools for management of selected risks	Sensitivity analysis of a finite element model for the seismic analysis of free-standing spent fuel racks	Maintenance 4.0. Review of Maintenance role in the Industry 4.0 revolution.	The Agile Hazard Log approach	Reliability analysis of the space mechanism considering the performance degradation and dynamic time-variant characteristics	Design requirements driven approach to highly automated Failure Mode Effects Analysis	Violation enhancing conditions - a study of Norwegian car ferry workers' compliance of safety-related procedures	Concept of safety of complex technological facilities and tools for facility safety management	Preliminary results on historical data on homelessness and post-earthquake disaster emergency shelter
	Presentation only:				931	968		904		
	János Baumgartner, Zoltán Süle, János Abonyi				José Sobral, C. Guedes Soares	Andrzej Komorek, Jan Godzimirski, Aneta Krzyżak		Kristine Størkersen		
	Process quality improvement using sequence of survival models				Physical safety barriers behaviour based on RAM analysis using DEMATEL method	The selected aspects of the research into impact loading of adhesive joints in block samples - the influence of the sample geometry		Coastal cargo work: How can safety shout instead of whisper when money talks?		
22.6. Parallel sessions, Thursday morning, 4 papers per session										
10:00-11:20				Room Esmerald 1	Room Esmerald 2	Room Mediteranea 1	Room Mediteranea 2	Room Adria 1	Room Adria 2	Room Pharos
				Organisational Factors in Risk Management	Simulation for Safety and Reliability Analysis 2	Structural Reliability 5	Mathematical Methods in Reliability and Safety 3	Nuclear Safety - PSA Applications 4	Occupational Safety 2	RAMS in Railways
				1006	826	1013	695	971	825	686
				Aud Solveig Nilsen	Gabriele Montecchiari, Paolo Gallina, Gabriele Bulian	Luca Landi, Heinrich Moedden, Fabio Pera, Eckart Uhlmann, Fabio Meister	Hendrik Schaebe	Jinduo Xing, Zhiguo Zeng, Enrico Zio	Fiorenza Misale	Thor Myklebust, Narve Lyngby, Geir Kjetil Hanssen
				What similarities can municipalities experience in crisis management?	An experiment using immersive virtual reality and a haptic interface to study human behaviour in evacuation	Probabilities in safety of machinery - risk reduction through fixed and moveable guards by standardized impact tests, part 1: applications and consideration of random effects	Trapped with Availability	An integrated framework for condition-informed probabilistic risk assessment	The new frontier of smart working: the importance of health and safety at work	A survey of the software and safety case development practice in the railway signalling sector
				670	1119	995	690	801	1071	696
				Marko Gerbec	Daniel Gaspar, José Silva, Luis Andrade Ferreira	Luca Landi, Fabio Pera, Eckart Uhlmann, Fabio Meister, Heinrich Moedden	Jamal Krini, Josef Börsök	Rainer Kaulbarsch, Dusko Kancev, Jens-Uwe Kluegel	Jaime Santos-Reyes, Daniel Velazquez-Martinez	Hendrik Schaebe
				Management of technical and organizational changes	The algorithm construction for randomness with censored data in simulation studies in reliability	Probabilities in safety of machinery – risk reduction through fixed and moveable guards by standardized impact tests, part 2: possible improvements with FE impact simulations	PFD average calculation through a MooN Architecture System	Development of a safety enhancement program for long term operation at NPP Gösgen (CH) under deterministic and probabilistic aspects	Preliminary results of an assessment of the working environment of healthcare centres in Mexico	SIL apportionment and SIL allocation
				744	927	1111	922	940	Poster 694	827
				David Levovnik, Marko Gerbec	Alexander David, Giovanni Sansavini	Adrián David García-Soto, Jesús Gerardo Valdés-Vázquez, Alejandro Hernández-Martínez, Francisco León Gay-Alanís	David Valis, Kamila Hasilova, Zdenek Vintr, Aneta Krzyzak	Sebastian Martorell, Pablo Martorell, Isabel Marton, Sofia Carlos, Ana Sanchez, Ruben Mullor	Zygmunt Korban, Marcela Rabasová	Matthew Newall, Coen Van Gulijk
				Auditing operational readiness of Management of Change	Identification and mitigation of critical states in power systems by limit state surface reconstruction	Reliability Analysis of Reinforced Concrete Beams Strengthened with FRP using a Combined Method	Non-parametric reliability assessment of composite items	An overview of optimization criteria in the context of advanced surveillance requirements	Assessment of the management quality of the occupational health and safety at the extraction department of the coal mine, current condition and forecasts – case study	Efficient Computer Use for Automated Safety Text Analysis
				837	878	616	1023	1036	Poster 693	1058
				Yuling Li, Frank W. Guldenmund	Arnold Yuan, Adetola Adegbola	Milan Holicky	David Valis, Kamila Hasilova, Zdenek Vintr, Libor Zak	Nadine Berner, Matthias Utschick, Gerhard Gänssmantel, Marina Röwekamp	Zygmunt Korban, Marcela Rabasová	Marek Mlyrczak, Karol Andrzejczak, Jaroslaw Selech
				Managing competence for lifting risk	Karhunen-Loève Expansion for Extreme Values of a Homogeneous Copula-Based Gamma Field	Risk based reliability required in construction	Mathematical modelling of soot particles in oil	Systematic Integration of Hydrological Hazards by Automatically Extending PSA Models	Assessment of management quality of occupational health and safety as a result of the multi-criteria task	Assessment model of operational effectiveness related to newly operated public means of transport