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Safety Assessment and Risk Analysis

Challenges in the context of the development and application of risk-informed regulations in the domain of safety technology
Peter KAFKA

Layer of Protection Analysis
Ronald J. WILLEY

QRA including domino effect as a tool for Engineering Design
Rosa NOMEN, Julià SEMPERE, Valeria MARIOTTI

Safety aspects of CNG cars
J. BERGHMANS, M. VANIERSCHT

Rigorous versus simplified protection layer reliability calculations and problems with popular risk analysis methodologies
Jan C. A. WINDHORST

Cues and cue-based processing: implications for system safety
Mark WIGGINS, Thomas LOVEDAY, Lucy LYONS

Subjective priors in Bayesian estimation of safety and reliability characteristics
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Accuracy optimizing of TRT advance forecast in Xishimen Iron Mine
WU Yexing, MA Haitao, CHEN Guangping

Application of man-machine-environment system engineering in coal mines safety management
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Identification and quantification of hazards caused by uncontained engine rotor failure
LI Ma liang, SUN Zhiqiang, GONG Erling

Research on ranking evaluation models of safety risk in productive enterprises based on the perspective of supervision
HAO Yu, LUO Yun, ZHANG Ying, ZENG Zhu, ZHANG Pingfeng

Major production accidents interval forecasting based on gray panel
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Improved grey correlative method for safety synthetic evaluation on transportation system in coalmines
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Extensible synthetic evaluation method based on entropy weight
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Safety Management and Education

- Effectiveness of indirect safety regulation on industrial machines and devices in Korea
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- Implementing scientific and effective supervision by application of RBS/M theory and method
  LUO Yun, ZHANG Ying, HAO Yu, WANG Shengjiang

- Study on evolution trends and characteristics of employee safety behavior under normal operating environment
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- Countermeasures of mine safety management based on behavior safety mode
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- Study on administrative and educational measures of China urban public fire safety education
  WANG Helan, ZHU Jiang, YANG Zheng, TANG Jun

- Statistical analysis and countermeasures of gas explosion accident in coal mines
  YANG Chunli, LI Xiangchun, REN Yanbin, ZHAO Yiliang, ZHU Feifei

- Study on coal mine safety management system based on “Hazard, Latent Danger and Emergency Responses”
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- Demand-oriented reform on cultivating mode of safety management students
  ZHANG Jiangshi, XIONG Hongqin, ZHANG Xiu, ZHANG Xiaoli

- Shipwreck statistical analysis and suggestions for ships carrying liquefiable solid bulk cargoes in China
  CHENG Xiaonan, LIU Minyan, HE Longjun

- Quality risk management model for railway construction projects
  LI Qing, LIU Rengkui, ZHANG Jun, SUN Quanxin

- City fire risk analysis based on coupling fault tree method and triangle fuzzy theory
  WU Aiyou, SHI Shiliang, LI Runqiu, TANG Deming, TANG Xiaofang

- Study on safety capacity of chemical industrial park in operation stage
  WANG Rui, ZHANG Mingguang, CHEN Yinting, QIAN Chengjiang

- A quantitative judgement method for safety admittance of facilities in chemical industrial parks based on
  G1-variation coefficient method
  QIAN Chengjiang, ZHANG Mingguang, CHEN Yinting, WANG Rui

- Safety situation forecast of mining system based on dynamic division of states
  HU Nanyan, YE Yicheng, LI Danqing, WANG Qihu

- Correlation between Safety Climate and Near-Miss of Coal Mine
  TIAN Shuicheng, ZHANG Heng, LI Hongxia, JIN Meng

- The design and development of the Miner’s risk preference level scale
  LI Hongxia, XUE Jianwen, HAN Xiaojing

- The Study on the Job Stress of Miners
  LI Hongxia, FAN Yongbin, TIAN Shui-cheng, LIU Fen, LI Huan

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  Maria MOLNARNE, Alexander SEIFERT, Volkmar SCHROEDE

- Explosion protection in biogas and hybrid power plants
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Study and countermeasure of hazard of dust explosion of various toner cartridges

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The condition for aqueous–organic mixtures not to flash

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Auto-ignition characteristics of selected ionic liquids

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Effect of heating temperature on the flash point of ionic liquids

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