

List of Accepted Posters

category	No.	Authors	Title
fire chemistry	FC-1	Xuansu Zhao, Takafumi Noguchi, Tomohiro Naruse, Hideki Yoshioka, Yutaka Tanaike, Satoshi Fujimoto, Yoshihiro Hase, Tetsuya Hayakawa and Tatuso Ando	The Influence of Gas Produced on Refuge Safety at the Time of Fire -One Consideration of the Fire Smoke Gas in the Smoke Toxicity Test Based on FTIR Analysis-
	FC-2	Zhe Zeng, Mohammednoor Altarawneh and Bogdan Z. Dlugogorski	Fire Safety Properties of CS ₂ : Detailed Reaction Mechanism, Burning Velocity and Ignition Delay Time
	FC-3	Abdulaziz A. Alarifi, Herodotos N. Phylaktou and Gordon E. Andrews	Heated Raw Gas Sampling with Heated FTIR Analysis of Toxic Effluents from Small and Large Scale Fire Tests
material behavior	MB-1	Takafumi Anezaki, Yuki Takatsuka, Mingxiu Zhao, Akimitsu Kikkawa, Koki Fukumura and Seiji Koga	Studies on Safety Measures for Aluminum Alkyls Fire
	MB-2	Duhita Anindyajati, Fahri Ali Imran and Yulianto Sulisty Nugroho	Effects of Inclination on Mass Loss Rate in Smoldering Combustion
	MB-3	Yasunobu Inoue and Masataro Suzuki	Estimation of Heat Generation in Void Spaces of Combustible when Smoldering
	MB-4	Kai-Yuan Li and Xinyan Huang	Optimized Search for Pyrolysis Kinetics Scheme and Parameters via a Genetic Algorithm Driven by Kissinger's Method
	MB-5	Ibukun Oluwoye, Mohammednoor Altarawneh, Jeff Gore, Bogdan Z. Dlugogorski	Thermal Decomposition of Recycled Polymers
	MB-6	Ping Ping, Qingsong Wang and Jinhua Sun	Study of the Fire Behavior of High-energy Lithium-ion Batteries with Full-scale Burning Test
	MB-7	Zhenghua Yan, Chenggang Zhao, Xiaobing Deng, Xubin Ceng, Songlin Liu, Bin Lan, Yan Liu, Sebastian Jeansson, Richard Nilsson and Patrick Van Hees	Experimental Study and Advanced CFD Simulation of Fire Safety Performance of Building External Wall Insulation System
	MB-8	Supan Wang, Xinyan Huang, Haixiang Chen, Naian Liu and Guillermo Rein	Expandable Polystyrene Foam Spot Fire Ignition by Hot Metal Particle

	MB-9	Sanjay Pareek, Ryuichi Sekine, Hideki Yoshioka, Tetsuya Hayakawa, Takafumi Noguchi, Kyoichi Kobayashi, Tatsuo Ando and Yoshihiro Hase	Reaction to Fire Performance of Sandwich Panels with Hole and Slit as Defects
	MB-10	Yoshiki Tanaka, Hideki Yoshioka, Masamichi Tamura, Yutaka Tanaike, Yuhei Nishio, Takafumi Noguchi, Kyoichi Kobayashi, Manabu Kanematsu, Tatsuo Ando and Tomohiro Naruse	Full-scale and Intermediate-scale Fire Tests on Sandwich Panels
fire physics	FP-1	Sun-Yeo Mun, Hong-Seok Yun, Jae-Ho Cho and Cheol-Hong Hwang	Evaluation of the Global Equivalence Ratio Concept on Thermal Characteristics in Reduced-Scale Compartment Fires
	FP-2	Ken Mizutani, Kyosuke Miyamoto, Nozomu Hashimoto and Osamu Fujita	Comparison of Limiting Oxygen Concentrations of Spreading Flame over Different Electric Wire Insulations in Microgravity
	FP-3	Xuemin Niu, Yuji Hasemi and Koji Kagiya	Flame Spread in the Vertical Shaft of Different Interior Structures
	FP-4	Jie Ji, Wenxi Shi, Man Li and Jinhua Sun	Experimental Study on the Influence of Different Strength of Stack Effect on Flame Behaviors of Pool Fires in a Scaled Building Model
	FP-5	Chantreux C. M., Hunt D. J. and Fleischmann C. M.	Impact Object Shape on The Mass Entrainment in Fire Plumes?
	FP-6	Junghoon Ji, Kazunori Harada, Masaaki Noaki and Yoshifumi Ohmiya	Modelling of Flame Tilt Angle towards Wall Surface from a Solid Combustible
	FP-7	Keisuke Mochizuki and Yuji Nakamura	Experimental Study on Dynamically Synchronized Behavior of Two Flickering Jet Flames
	FP-8	Kota Shiino and Yuji Nakamura	Mobility of Fire Whirl formed over L-shape Ethanol Tray embedded in Small-scale Wind Tunnel
	FP-9	Tetsuya Okura, Toshio Mogi, Ryosuke Nagaoka and Ritsu Dobashi	Experimental Studies on the Behaviors of Medium Scale Fire Whirls
	FP-10	Cheng-Chun Lin and Liangzhu (Leon) Wang	Real-Time Forecasting of Building Fires Using Data Assimilation
	FP-11	Mariko Watanabe, Yuji Hasemi and Noboru Yasui	Effects of Interior Finish Designing for Fire Safety to Fires and Behavior of Ejected Flames in School Buildings

	FP-12	Kambe Machiko, Hasemi Yuji, Yasui Noboru, Suzuki Jun-Ichi and Naruse Tomohiro	Research on the Design Approach Examination for Control of Upward Fire Spread by External Flames from Opening Compartment
	FP-13	Yulianto Sulisty Nugroho, Mohamad Lutfi Ramadhan and Muhammad Agung Santoso	Design of Compact Large Scale Fire Calorimeter for Various Measurement of Fire Phenomena
Detection and	DS-1	Wanshui Fang	Investigation on Fire Detection Time in a Machinery Spaces
	DS-2	Dongyue Liu	Sprinkler Fire Suppression Experiments in a Large Space
	DS-3	Sung Chan Kim and Jung Yong Kim	A Comparative Study on the Sprinkler Activation Time of Computational Fire Model and Real Scale Fire Test
	DS-4	Yusuke Koshiba, Keita Iida and Hideo Ohtani	Fire Suppression Efficiency of Aqueous Dispersions of Ferrocene: Effects of Ferrocene Particle Size and Surfactant
Fire Service	FS-1	Yuji Nakamura, Kou Kudo, Yukio Yamauchi and Kaoru Wakatsuki	Study on Time-variation of Visibility through Thermally-resistant Plastic Materials subjected to A Constant Radiant Heat Flux
	FS-2	Takeshi Suzuki	An Experimental Study on Prevention of Rekindling by Using Thermal Imaging Camera –Model Experiments Assuming that Heat Source Was Hidden Inside Walls or Ceilings-
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	BE-2	Jihyang Lee and Akihiko Hokugo	An Experimental Study of Stair Ascent Transportation by Evacuation Support Method for Vulnerable People
	BE-3	Hiroaki Notake, Yasunao Sugiyama, Masayuki Hirota, Koichi Machida, Shinya Nakano, Yuji Hasemi, Shin'Ichi Tsuchiya, Shiori Kawasaki and Minoru Iida	Application of Evacuation Safety Design for High-rise Hospital in Consideration of Assisted Evacuation Behavior
	BE-4	Akifumi Kobayashi, Shuji Moriyama and Yuji Hasemi	Study on the Effectiveness of the Emergency Use of Passenger Elevator in the Skyscraper for Evacuation
	BE-5	Daisaku Nii, Wataru Takahashi, Tomohiro Naruse and Yoshihiko Hayashi	Study on Quantitative Calculation Method on Performance of Evacuation Safety in Building Fire
	BE-6	Masami Shinozaki, Kyoichi Kobayashi and Ai Sekizawa	International Comparative Analysis on Regulatory Provisions and Codes of Safe Evacuation for Physically Challenged People

smoke control	SC-1	Xuefeng Han, Juncheng Jiang, Yan Fan, Yan Liu, Patrick Van Hees	Accurate Determination of Critical Safety Height during ASET Assessment
	SC-2	Xuefeng Han, Juncheng Jiang, Yan Fan, Yan Liu, Patrick Van Hees	Accurate Setting of Heat Release Rate in CFD Simulation during ASET Assessment
	SC-3	Dahai Qi, Guanchao Zhao and Liangzhu (Leon) Wang and Radu Zmeureanu	Analytical and Experimental Study of Smoke Transport in Vertical Shafts during High-rise Fires
	SC-4	Kiyoto Usui and Takatoshi Yamagishi	Study on Propagation Behavior of Smoke and Carbon-Monoxide in Full-Scale Compartment
	SC-5	Xu Zhi-Sheng, Gao Jun-Peng and Xu Ye	Model test Research on Key Parameters of Lateral Smoke Exhaust in Double-decked Shield Tunnel
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	FR-2	Kenta Watanabe, Tomoyuki Someya and Takeo Hirashima	Insulation Performance of Gypsum Filled Aluminum Alloy Walls Exposed to Standard Fire
	FR-3	Keisuke Terada, Jaeyoung Lee, Kazunori Harada and Youngjin Kwon	Experiments on the Effect of PP Fiber Reinforcement on Pore Size Distribution and Permeability of High Strength Concrete after Heating
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	FR-5	Kaku Chihiro, Tatsuro Suzuki, Yuji Hasemi, Daisuke Kamikawa and Noboru Yasui	Influence of Water Content on Mechanical Properties of Wood under Heating
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	FR-7	Koji Toyoda	Experimental Study on Carbonization Temperature and Discoloration of Woods - Heating Experiment of Japanese Cedar and Larch
	FR-8	Daisuke Kamikawa, Toshiro Harada, Keisuke Ando and Nobuaki Hattori	Water Leaching Test Procedure to Measure the Solid Content of Fire-retardant in Treated Wood and Measurement of Fire-retardant Distribution
	FR-9	Takumi Matsumoto, Yusuke Katakura, Takeo Hirashima, Hitoshi Kinjo, Takeru Horio, Shuitsu Yusa and Kiyoshi Saito	Behaviours of Larch Glued Laminated Timber Beams Exposed to Fire Including Cooling Phase

	Masayuki Hirota, Hiroaki Notake, Takeshi Morita, Ken Matsuyama, Seiji Okinaga, Shiro Kondo and Jun-Ichi Suzuki	FR-10	Experimental Study on Fire Resistance Capability of Fire Safety Equipment with Wired Glass in Consideration of Forced In-plane and Out-of-plane Deformation
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	Shouhei Yokoyama and Keisuke Himoto	FD-2	Damage Estimation Methodologies of Post-earthquake Fires in Japan – Current Status and Future Improvements
	Moeko Fukai, Shuji Moriyama and Yuji Hasemi	FD-3	Survivability of Disaster Refuge Buildings: Damage Analysis of Fire resistive Buildings in the Tsunami-affected Districts at the Great East Japan Earthquake
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	Saeko Miki, Shuji Moriyama and Yuji Hasemi	RE-2	Evacuation Behavior in Regional Disaster: Analysis of the Time History of Tsunami Evacuees at the Great East Japan Earthquake
	Youhei Onuki, Shuji Moriyama and Yuji Hasemi	RE-3	Prediction of the Evacuation Time within Tsunami Evacuation Buildings: Fire Safety Design Guideline Method & Simulation
	Junlei Yu and Akihiko Hokugo	RE-4	Household Evacuation Behavior during a Natech Accident
	Chun-Hao Shao	RE-5	Management of Designated Shelters for Refugee's Evacuation Based on Viewpoints of Kaohsiung Gas Explosion Event