Time (CST / Korea, Japan)	Contents	Title
08:00 – 08:20 (16:00 – 16:20)	Opening message and keynote speech Károly Jármai (University of Miskolc, Hungary)	How to consider the environmental effects of welding in the design of steel structures
08:20 – 09:20 (16:20 – 17:20)	Session 1 Chair: Hirohata Mikihito (Osaka University)	
	Máté Petrik, Károly Jármai (University of Miskolc, Hungary)	Comparison of different water tank leg cross sections in case of fire
	Károly Jármai, Gregory MacRae, Charles Clifton, Pingsha Dong, Kaveh Andisheh, Hafez Taheri, Nandor Mago, and Michail Karpenko (New Zealand project)	Optimization of the reusable seismic frame design for the circular design concept - New Zeeland's Construction 4.0 Project
	Marumoto Keita, Tamata Hajime, Fujinaga Akira, Takahashi Takeshi, Yamamoto Hikaru, Yamamoto Motomichi (Hiroshima University, Japan)	Optimization and selection of hot-wire GMAW conditions for high-efficiency and low-heat input welding process
	Guan Xiaoyu, Tokumaru Yujiro, Hirohata Mikihito, Mukawa Satoshi, Okada Seiji (Osaka University Japan)	A proposal for a heat input model for heating correction on welded steel structural members
09:20 – 09:30 (17:20 – 17:30)	Break	
09:30 – 10:30 (17:30 – 18:30)	Session 2 Chair: Azuma Koji (Sojo University)	
	Kato Tomoharu, Sakino Yoshihiro, Sano Yuji, Mizuta Yoshio, Hosokai Tomonao, Tamaki Satoshi (Kindai University, Japan)	Effect of laser peening on fatigue properties of butt-welded joints with angular distortion
	Sándor Szirbik, Zoltán Virág (University of Miskolc, Hungary)	Optimized trapezoidal stiffened plates under uniaxial compression and suddenly applied pressure
	Ladislav Galdun, Mohamad Al Ali, Peter Platko, Stanislav Kmeť, Rastislav Varga (TU Kosice, Slovakia)	Monitoring of strains and deflections of steel cantilever using a contactless measurement method
	Száva János, Betti Bolló, Száva Ildikó-Renáta, Vlase Sorin, Jármai Károly, Gălățan Teofil-Florin, Bencs Péter, Gálfi Botond-Pál (Transilvania University of Brasov, Romania)	Experimental validation of the heat propagation: results of the numerical modeling for the real scale steel structural element and different assigned models subjected to a simulated fire
10:30 – 10:50 (18:30 – 18:50)	Keynote speech (2) Azuma Koji (Sojo University, Japan)	Improvement of weld details to avoid brittle fracture at the I-section beam-to-square hollow section column connections
10:50 – 12:00 (18:50 – 20:00)	Break (Lunch/Dinner)	
12:00 – 12:45 (20:00 – 20:45)	Session 3 Chair: Máté Petrik (University of Miskolc)	
	Nico Wilke (University of Pretoria, South Africa)	The application and potential of gradient-only surrogates in structural optimization
	Imre Timár, Ákos Gergely Horváth (University of Pannonia Hungary)	Optimal design of wind wheel
	János Lukács and Ahmad Yasser Dakhel (University of Miskolc)	Full-scale fatigue and burst tests on notched pipeline girth welds under complex loading conditions
12:45 – 13:05 (20:45 – 21:05)	Keynote speech (3) and closing message Muzaffer Shazia, Chang Kyong-Ho (Chung-Ang University, South Korea)	Fatigue life evaluation of tubular joints with or without hidden welds