








12:00	 PLENARY KEYNOTE	Join Zoom Meeting Meeting ID: 981 3631 3439 https://cutt.ly/JEJ0DWZ	We deliver digital: advanced analytics approaches supporting efficient design, planning and operation of distribution networks in the semiconductors industry Dr. Dávid Gyulai, in collaboration with Suraj Rao, Shang-Chen Wu, Joseph Hodges, Crystal Zhu, Western Digital Technologies, USA					
12:40	 A3: VALUE STREAM AND COST ENGINEERING	Join Zoom Meeting Meeting ID: 934 3759 3085 https://cutt.ly/eEJZfA3	A scalable cost modelling architecture for evaluating the production cost-effectiveness of novel joining techniques for aircraft structures https://cutt.ly/eERZ4m9	Christopher Tierney, Colm Higgins, Damian Quinn, Jeroen De Backer, Chris Allen, Anna Örtlös, Johan Persson, John McClelland, Peter Higgins, Adrian Murphy	 B3: MANUFACTURING	Join Zoom Meeting Meeting ID: 955 0464 2590 https://cutt.ly/uEJMd4a	Surface roughness prediction model of GH4169 superalloy abrasive belt grinding based on multilayer perceptron(MLP) https://cutt.ly/HERXpm0	Guijian Xiao, Jiazheng Xing, Youdong Zhang
13:00			A two-stage decision support system for manufacturing processes integration in microfactories for electric vehicles https://cutt.ly/wERXSzG	P. Stavropoulos, A. Papacharalampopoulos, C. Michail, V. Vassilopoulos, K. Alexopoulos, P. Perlo			An accurate tool wear prediction method under different cutting conditions based on network architecture search https://cutt.ly/IERXZEF	Jianmin Wang, Yingguang Li, Jiaqi Hua, Changqing Liu, Xiaozhong Hao
13:20			Cost engineering in practice – Empirical investigation of cost calculation tools https://cutt.ly/5ERX6a5	Manuel Lutz, Frank Bodendorf, Niklas Stepanek, Jörg Franke			Residual stresses field estimation based on deformation force data using Gaussian Process Latent Variable Model https://cutt.ly/OERCIaE	Xiaoxue Hu, Yingguang Li, Zhiwei Zhao, Changqing Liu, Konstantinos Salonitis
13:40			Lean industry 4.0: a digital value stream approach to process improvement https://cutt.ly/RERCxjv	Daniel Arey, Chi Hieu Le, James Gao			Drilling of carbon fibre reinforced polymer (CFRP) composites: Difficulties, challenges and expectations https://cutt.ly/vERCrxw	Norbert Geier, Jinyang Xu, Csongor Pereszlai, Dániel István Poór, J. Paulo Davim
14:00	 BREAK							
14:20	 A4: PRODUCTION AND LOGISTICS SYSTEMS	Join Zoom Meeting Meeting ID: 975 8687 4565 https://cutt.ly/pEJ128x	Modelling sources of operational noise in production systems https://cutt.ly/uERC0yA	Mohamed Afy-Shararah, John Patsavellas, Konstantinos Salonitis	 B4: MONITORING, INSPECTION AND MAINTENANCE	Join Zoom Meeting Meeting ID: 952 9532 3650 https://cutt.ly/5EJ0hUQ	An approach to airline MRO operators planning and scheduling during aircraft line maintenance checks using discrete event simulation https://cutt.ly/5ERVeVe	Salah Albakkoush, Emanuele Pagone, Konstantinos Salonitis
14:40			Analysis of an assembly line by mixed integer programming and discrete event-based simulation https://cutt.ly/iERVELz	Norbert Ibriksz, Tibor Szalay, Lajos Kutrovác, Ferenc Boór			Design and development of an IoT enabled platform for remote monitoring and predictive maintenance of industrial equipment https://cutt.ly/8ERVS0T	Dimitris Mourtzis, John Angelopoulos, Nikos Panopoulos
15:00			Design and simulation of a flexible manufacturing system for manufacturing operations of railcar subassemblies https://cutt.ly/EERV8j5	Ilesanmi Daniyan, Khumbulani Mpofu, Boitumelo Ramatsetse, Emanuel Zeferino, Giovanni Monzambe, Elvis Sekano			A slag prediction model in an electric arc furnace process for special steel production https://cutt.ly/JERB3IL	Maialen Murua, Fernando Boto, Eva Anglada, Jose Mari Cabero, Leixuri Fernandez
15:20			Transformation of traditional assembly lines into interoperable CPPS for MES: an OPC UA enabled scenario https://cutt.ly/OERNc5K	Norbert Szántó, Gianfranco Pedone, Gergő Monek, Borbála Há, János Jósvai			Towards the implementation of the Digital Twin in CMM inspection process: opportunities, challenges and proposals https://cutt.ly/OERNRjA	Raoudha Gaha, Alexandre Durupt, Benoit Eynard
15:40			Adaptive AGV fleet management in a dynamically changing production environment https://cutt.ly/uERNXa0	Júlia Bergmann, Dávid Gyulai, József Váncza			A modified Weibull model for service life prediction and spare parts forecast in heat treatment industry https://cutt.ly/HERN3uS	Klaudia Kovacs, Fazel Ansari, Wilfried Sihn
16:00	 CLOSE OF DAY							