

Day 1: Wednesday, 16th October 2019

Time			Paper ID	Title	Paper ID	Title
Montreal UTC-4	Berlin UTC+2	Shantou UTC+8				
8:00	12:00	18:00		Opening Session "7th CIRP Global Web Conference (CIRPe2019)"		
8:30	12:30	18:30	96	Highlighted Paper: Shifting value stream patterns along the product lifecycle with digital twins		
9:00	13:00	19:00	43	Highlighted Paper: Highlights in Customer-driven Operations Management Research		
9:30	13:30	19:30	72	Development and testing of a combined machine and process health monitoring system	33	A deep learning based-decision support tool for solution recommendation in cloud manufacturing platforms
9:50	13:50	19:50	16	Web-based platform for data analyzing and monitoring	80	AI based combined scheduling and motion planning in flexible robotic assembly lines
10:10	14:10	20:10	28	Towards a Connected Factory: Shop-floor Data Analytics in Cyber-Physical Environments	81	Model based reconfiguration of flexible production systems
10:30	14:30	20:30	45	Data quality program management for digital shadows of products	29	Conception of a multi-user approach for a collaborative configuration of robotic automation systems using a microservice architecture
10:50	14:50	20:50	57	Machine Learning in Production – Potentials, Challenges and Exemplary Applications	30	A method for collaborative knowledge acquisition and modelling enabling the development of a knowledge-based configurator of robot-based automation solutions
11:10	15:10	21:10	73	Statistical Process Control and maintenance policies for continuous production systems subjected to different failure impact models: literature review	85	Simulation Framework for Virtual Robot Programming in Reconfigurable Production Systems
11:30	15:30	21:30	82	Conceptual framework of a digital twin to evaluate the degradation status of complex engineering systems	75	AI-based Computer Aided Engineering for automated product design
11:50	15:50	21:50	5	Smart Trucking? Status of Digital Transformation of the Trucking Industry: A Bibliometric Analysis	27	Towards a Digital Twin for Thermal Processes: Control-centric approach
12:10	16:10	22:10		Closing Session "Day 1"		Closing Session "Day 1"

Day 2: Thursday, 17th October 2019

Time			Paper ID	Title	Paper ID	Title
Montreal UTC-4	Berlin UTC+2	Shantou UTC+8				
7:50	11:50	17:50		Opening Session "Day 2"		Opening Session "Day 2"
8:00	12:00	18:00	48	Evaluation of a Concept Out-of-Autoclave Process for Manufacturing Carbon Fibre Reinforced Polymer Automotive Parts	34	An architecture for AutomationML-based constraint modelling and orchestration of Incremental Manufacturing
8:20	12:20	18:20	15	Enhancing fiber length measurements performed by X-ray computed tomography for improving the production quality of composite materials	35	The Assist-By-X system: An intelligent modular production equipment for visual assistance
8:40	12:40	18:40	19	Method for the investigation of mold filling in the fiber injection molding process based on image processing	56	Automated quality assurance as an intelligent cloud service using machine learning
9:00	13:00	19:00	86	Development of a membrane-shaped MR-based composite preforming tool	77	Increasing flexibility in consumer goods industry with the help of robotized systems
9:20	13:20	19:20	64	Multi-objective optimization of machining parameters to minimize surface roughness and power consumption using TOPSIS	78	An approach for monitoring the execution of human based assembly operations using machine learning
9:40	13:40	19:40	46	Computational and experimental investigation of cutting tool geometry in machining titanium Ti-6Al-4V	84	Benchmarking low-cost inertial measurement units for indoor localisation and navigation of AGVs
10:00	14:00	20:00	55	Quantitative Assessment of Machine Tool Condition through Fractal Analysis of Volumetric Error Vector Similarity Measures	87	Modelling of devices in an adaptive and dynamic environment
10:20	14:20	20:20	11	Cloud Manufacturing: An Automated Literature Review	21	Integrating product function design, production technology optimization and process equipment planning on the example of hybrid additive manufacturing
10:40	14:40	20:40	39	Challenges towards handling uncertainty for prosperous outcomes in maintenance	47	Toward Shifted Production Strategies Through Additive Manufacturing: A Technology and Market Review for Changing Value Chains
11:00	15:00	21:00	92	Concept for the Configuration of Turnkey Production Systems	4	Energy simulation of the fused deposition modeling process using machine learning approach
11:20	15:20	21:20	38	Data based root cause analysis for improving the logistic key performance indicators of a company's internal supply chain	10	Maximum Flow of Complex Manufacturing Networks
11:40	15:40	21:40	14	Benefits of I4.0 Techniques Through Control Loops in SMEs	40	Configuration Parameters within Electric Vehicle Production Strategies in Sub-Saharan Africa - the aCar mobility Case
12:00	16:00	22:00	24	Multidimensional Assessment of Value Stream Design Alternatives		Closing Session "Day 2"
12:20	16:20	22:20		Closing Session "Day 2"		

Day 3: Friday, 18th October 2019

Time			Paper ID	Title	Paper ID	Title
Montreal UTC-4	Berlin UTC+2	Shantou UTC+8				
6:50	10:50	16:50		Opening Session "Day 3"		Opening Session "Day 3"
7:00	11:00	17:00	54	Adaptive resource management strategies in paper and pulp industry: a discrete event simulation approach	18	Process design of the patterning process of profile grinding wheels
7:20	11:20	17:20	9	On The Change of Cost Risk and Uncertainty throughout the Life Cycle of Manufacturing Products	17	Innovative method for cutting edge preparation with flexible diamond tools
7:40	11:40	17:40	51	Material Supply Strategy for Decentralized Assembly Control in Team Assembly	37	Geometric Physically-Based and Numerical Simulation of NC-Grinding Processes for the Calculation of Process Forces
8:00	12:00	18:00				
8:20	12:20	18:20				Industry Panel Discussion
8:40	12:40	18:40				
9:00	13:00	19:00		Closing Session "7th CIRP Global Web Conference (CIRPe2019)"		