2020 IEEE International Conference on Mechatronics and Automation (ICMA 2020)

Beijing, China 13-16 October 2020

Pages 1-647



IEEE Catalog Number: CFP20839-POD **ISBN**:

978-1-7281-6417-5

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 IEEE Catalog Number:
 CFP20839-POD

 ISBN (Print-On-Demand):
 978-1-7281-6417-5

 ISBN (Online):
 978-1-7281-6416-8

ISSN: 2152-7431

Additional Copies of This Publication Are Available From:

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	Design and Research of Intelligent Air Purifier System	1822
	Yining Wang, Wenbo Wang, Zufeng Zhang, Ping Zhou, Haowen Jiang	
	Simulation and Experimental Research on the Thread Turning of Planetary Roller	1827
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FA2-3	Sensor Networks, Distributed Sensor Systems	
	Localization Algorithm Based on Altitude Profile Matching Derived from Barometer	1838

	Takayoshi Yokota	
	Indoor Pedestrian Positioning Method Based on Pelvic Motion Model Using Inertial	1846
	<u>Sensors</u>	
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	Shuxiang Guo, Sheng Cao, Jian Guo, Jigang Xu	
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FA1-4	Humanoid Robots	
	Motion Sequence Learning for Robot Walking Based on Pose Optimization Yancao Jiang, Weiyi Zhang, Fasih Ud Din Farrukh, Xiang Xie, Chun Zhang	1877
	Desire-Driven Reasoning Considering Status-Based Knowledge Description for	1883
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	Design of Graphical User Interface for Motor Selection of the Lower Limb Exoskeleton	1889
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	Speech Analysis of the Talking Robot with Human-like Artificial Vocal Tract	1912
	Vo Nhu Thanh, Hideyuki Sawada	
	Gesture Recognition based on BP Neural Network and Data Glove	1918
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	based on Neural Network	
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	A Robust Multi-Channel EEG Signals Preprocessing Method for Enhanced Upper	1929
	Extremity Motor Imagery Decoding	
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	Calibration Method of Binocular Fisheye Lens Based on Global Parameters	1940
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FA1-5	Rotor Dynamics, Vibration Analysis and Vibration Control	
	Research on Asymmetrical Dual-rotor System Based on the Energy Orbit	1946
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	Fault Location Based on Energy Relative Entropy	1981
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	Image Segmentation Method of Crop Diseases Based on Improved Segnet Neural	1986
	<u>Network</u>	
	Youjun Yue, Xuesong Li, Hui Zhao, Hongjun Wang	
	Multi-channel Precision Temperature Control System Based on TEC	1992
	Xiaoming Xu, Jinyu Zhang, Xuemei Wang	
	Trajectory-tracking and Coordinated Control of Six-wheel-drive Rocker-bogie Patrol	1998
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	Weidi Chen, Song Jiang, Zhenghui Shen, Xuejiao Yan, Meng Chen	