

Contents

Cyber-Physical Systems: Opportunities, Challenges and (Some) Solutions.	1
Peter Marwedel and Michael Engel	
Cyber-Physical Objects as Key Elements for a Smart Cyber-City	31
Riccardo Petrolo, Valeria Loscri and Nathalie Mitton	
Structuring Communications for Mobile Cyber-Physical Systems	51
Luis Almeida, Frederico Santos and Luis Oliveira	
ANIMO, Framework to Simplify the Real-Time Distributed Communication.	77
Yamnia Rodríguez, Carlos Alejo, Irene Alejo and Antidio Viguria	
SERAPH: Service Allocation Algorithm for the Execution of Multiple Applications in Heterogeneous Shared Sensor and Actuator Networks	93
Claudio M. de Farias, Wei Li, Flávia C. Delicato, Luci Pirmez, Paulo F. Pires and Albert Y. Zomaya	
A Smart Platform for Large-Scale Cyber-Physical Systems.	115
Andrea Giordano, Giandomenico Spezzano and Andrea Vinci	
Towards Cyberphysical Digital Libraries: Integrating IoT Smart Objects into Digital Libraries	135
Giancarlo Fortino, Anna Rovella, Wilma Russo and Claudio Savaglio	
Cooperation of Smart Objects and Urban Operators for Smart City Applications.	157
Simona Citrigno, Sabrina Graziano and Domenico Saccà	

Management of Cyber Physical Objects in the Future
Internet of Things

Methods, Architectures and Applications

Guerrieri, A.; Loscri, V.; Rovella, A.; Fortino, G. (Eds.)

2016, IX, 174 p. 73 illus., 23 illus. in color., Hardcover

ISBN: 978-3-319-26867-5