

Contents

Basic Concepts on Systems of Systems	1
<i>Andrea Ceccarelli, Andrea Bondavalli, Bernhard Froemel, Oliver Hoeffberger, and Hermann Kopetz</i>	
Interfaces in Evolving Cyber-Physical Systems-of-Systems.	40
<i>Bernhard Frömel and Hermann Kopetz</i>	
Emergence in Cyber-Physical Systems-of-Systems (CPSoSs)	73
<i>Hermann Kopetz, Andrea Bondavalli, Francesco Brancati, Bernhard Frömel, Oliver Höftberger, and Sorin Iacob</i>	
AMADEOS SysML Profile for SoS Conceptual Modeling	97
<i>Paolo Lollini, Marco Mori, Arun Babu, and Sara Bouchenak</i>	
AMADEOS Framework and Supporting Tools	128
<i>Arun Babu, Sorin Iacob, Paolo Lollini, and Marco Mori</i>	
Time and Resilient Master Clocks in Cyber-Physical Systems.	165
<i>Andrea Ceccarelli, Francesco Brancati, Bernhard Frömel, and Oliver Höftberger</i>	
Managing Dynamicity in SoS.	186
<i>Sara Bouchenak, Francesco Brancati, Andrea Ceccarelli, Sorin Iacob, Nicolas Marchand, Bogdan Robu, and Patrick De Oude</i>	
Case Study Definition and Implementation.	207
<i>Arun Babu, Francesco Brancati, Sorin Iacob, David Mobach, Marco Mori, and Thomas Quillinan</i>	
Glossary	239
Author Index	257

Cyber-Physical Systems of Systems
Foundations - A Conceptual Model and Some
Derivations: The AMADEOS Legacy
Bondavalli, A.; Bouchenak, S.; Kopetz, H. (Eds.)
2016, XV, 257 p. 124 illus., Softcover
ISBN: 978-3-319-47589-9