

# Contents

## Mission-critical Systems

A Framework for Assessing Safety Argumentation Confidence. . . . .	3
<i>Rui Wang, Jérémie Guiochet, and Gilles Motet</i>	
Configurable Fault Trees . . . . .	13
<i>Christine Jakobs, Peter Tröger, and Matthias Werner</i>	
A Formal Approach to Designing Reliable Advisory Systems. . . . .	28
<i>Luke J.W. Martin and Alexander Romanovsky</i>	

## Verification

Verifying Multi-core Schedulability with Data Decision Diagrams. . . . .	45
<i>Dimitri Racordon and Didier Buchs</i>	
Formal Verification of the On-the-Fly Vehicle Platooning Protocol . . . . .	62
<i>Piergiuseppe Mallozzi, Massimo Sciancalepore, and Patrizio Pelliccione</i>	

## Engineering Resilient Systems

WRAD: Tool Support for Workflow Resiliency Analysis and Design . . . . .	79
<i>John C. Mace, Charles Morisset, and Aad van Moorsel</i>	
Designing a Resilient Deployment and Reconfiguration Infrastructure for Remotely Managed Cyber-Physical Systems . . . . .	88
<i>Subhav Pradhan, Abhishek Dubey, and Aniruddha Gokhale</i>	
<i>cloud-ATAM: Method for Analysing Resilient Attributes of Cloud-Based Architectures . . . . .</i>	105
<i>David Ebo Adjepon-Yamoah</i>	

## Testing

Automated Test Case Generation for the CTRL Programming Language Using Pex: Lessons Learned. . . . .	117
<i>Stefan Klikovits, David P.Y. Lawrence, Manuel Gonzalez-Berges, and Didier Buchs</i>	
A/B Testing in E-commerce Sales Processes. . . . .	133
<i>Kostantinos Koukouvis, Roberto Alcañiz Cubero, and Patrizio Pelliccione</i>	

<b>Author Index . . . . .</b>	<b>149</b>
-------------------------------	------------

Software Engineering for Resilient Systems  
8th International Workshop, SERENE 2016,  
Gothenburg, Sweden, September 5-6, 2016,  
Proceedings

Crnkovic, I.; Troubitsyna, E. (Eds.)

2016, IX, 149 p. 41 illus., Softcover

ISBN: 978-3-319-45891-5