## Contents

### Security Risk Management

**Business Driven ICT Risk Management in the Banking Domain with RACOMAT** ................................................. 3  
*Johannes Viehmann*

**Towards Transparent Real-Time Privacy Risk Assessment of Intelligent Transport Systems** ................................................................. 11  
*Gencer Erdogan, Aida Omerovic, Marit K. Natvig,* and *Isabelle C.R. Tardy*

**Check Your Blind Spot: A New Cyber-Security Metric for Measuring Incident Response Readiness** ........................................ 19  
*Benjamin Aziz, Ali Malik, and Jeyong Jung*

### Security Risk Analysis

**Quantitative Information Security Risk Estimation Using Probabilistic Attack Graphs** ...................................................... 37  
*Pontus Johnson, Alexandre Vernotte, Dan Gorton, Mathias Ekstedt,* and *Robert Lagerström*

**Fast and Optimal Countermeasure Selection for Attack Defence Trees** ......................................................... 53  
*Steve Muller, Carlo Harpes,* and *Cédric Muller*

**An Assessment of Security Analysis Tools for Cyber-Physical Systems** ................................................................. 66  
*Laurens Lemaire, Jan Vossaert, Bart De Decker,* and *Vincent Naessens*

**Supporting Risk Assessment with the Systematic Identification, Merging, and Validation of Security Goals** .......................... 82  
*Daniel Angermeier, Alexander Nieding,* and *Jörn Eichler*

### Risk-Based Testing

*Gencer Erdogan* and *Ketil Stølen*

**A Lightweight Approach for Estimating Probability in Risk-Based Software Testing** ........................................... 115  
*Rudolf Ramler, Michael Felderer,* and *Matthias Leitner*
Gaining Certainty About Uncertainty: Testing Cyber-Physical Systems in the Presence of Uncertainties at the Application Level

*Martin A. Schneider, Marc-Florian Wendland, and Leon Bornemann*

Risk Management During Software Development: Results of a Survey in Software Houses from Germany, Austria and Switzerland

*Michael Felderer, Florian Auer, and Johannes Bergsmann*

**Author Index**
Risk Assessment and Risk-Driven Quality Assurance
4th International Workshop, RISK 2016, Held in
Conjunction with ICTSS 2016, Graz, Austria, October 18,
2016, Revised Selected Papers
Grossmann, J.; Felderer, M.; Seehusen, F. (Eds.)
2017, VIII, 157 p. 54 illus., Softcover
ISBN: 978-3-319-57857-6