

Contents

Security and Privacy in Smart Grid Demand Response Systems	1
<i>Andrew Paverd, Andrew Martin, and Ian Brown</i>	
Distributed MILS Architectural Approach for Secure Smart Grids	16
<i>Denis Bytschkow, Jean Quilbeuf, Georgeta Igna, and Harald Ruess</i>	
Determining the Probability of Smart Grid Attacks by Combining Attack Tree and Attack Graph Analysis	30
<i>Kristian Beckers, Maritta Heisel, Leanid Krautsevich, Fabio Martinelli, Rene Meis, and Artsiom Yautsiukhin</i>	
Selective Release of Smart Metering Data in Multi-domain Smart Grids	48
<i>Alessandro Armando, Roberto Carbone, Eyasu Getahun Chekole, Claudio Petrazzuolo, Andrea Ranalli, and Silvio Ranise</i>	
KEDS: Decentralised Network Security for the Smart Home Environment . . .	63
<i>Justin King-Lacroix and Andrew Martin</i>	
Redactable Signatures to Control the Maximum Noise for Differential Privacy in the Smart Grid	79
<i>Henrich C. Pöhls and Markus Karwe</i>	
A Threat Analysis Methodology for Smart Home Scenarios	94
<i>Kristian Beckers, Stephan Faßbender, Maritta Heisel, and Santiago Suppan</i>	
A Privacy-Friendly Framework for Vehicle-to-Grid Interactions	125
<i>Cristina Rottondi, Simone Fontana, and Giacomo Verticale</i>	
Reactive Security for Smart Grids Using Models@run.time-Based Simulation and Reasoning	139
<i>Thomas Hartmann, Francois Fouquet, Jacques Klein, Gregory Nain, and Yves Le Traon</i>	
A Survey on Privacy in Residential Demand Side Management Applications	154
<i>Markus Karwe and Jens Strüker</i>	
Enhancing Problem Frames with Trust and Reputation for Analyzing Smart Grid Security Requirements.	166
<i>Francisco Moyano, Carmen Fernández-Gago, Kristian Beckers, and Maritta Heisel</i>	

CryPLH: Protecting Smart Energy Systems from Targeted Attacks with a PLC Honeypot	181
<i>Dániel István Buza, Ferenc Juhász, György Miru, Márk Félegyházi, and Tamás Holczer</i>	
Author Index	193

Smart Grid Security

Second International Workshop, SmartGridSec 2014,
Munich, Germany, February 26, 2014, Revised Selected
Papers

Cuellar, J. (Ed.)

2014, X, 193 p. 50 illus., Softcover

ISBN: 978-3-319-10328-0