ICSE 2012 International Workshop on
Software Engineering Challenges for the Smart Grid (SE4SG)
- Program -

Time	Session	Duration
08:45-09:00	**Opening**	15
09:00-10:15	**Presentation Session 1 "Architectures for the Smart Grid"**	
	Establishing a Smart Grid Node Architecture and Demonstrator in an Office Environment using the SOA Approach	15
	Dagmar Koss, Florian Sellmayr, Steffen Bauereiss, Denis Bytschkow, Pragya Guptaand Bernhard Schaetz (fortiss GmbH, Technical University of Munich, Munich, Germany)	
	OPC Unified Architecture: A SOA for Smart Grids	15
	Sebastian Lehnhoff, Sebastian Rohjans, Mathias Uslar and Wolfgang Mahnke (OFFIS, Oldenburg, Germany; ABB Corporate Research, Ladenburg, Germany)	
	Dynamic Forecasting and Adaptation For Demand Optimization in the Smart Grid	5
	Eamonn O'Toole and Siobhán Clarke (Irish Software Engineering Research Centre, Trinity College, Dublin, Ireland)	
	Towards a Modular and Scalable Architecture for High-Level Smart Grid Applications	5
	Niels Streekmann, Simon Giesecke, Gerriet Reents, Matthias Rohr, Michael Stadler, Nils Vogel, Martin Frenzel, Jörg Friebe and Till Luhmann (BTC AG, Oldenburg, Berlin, Germany)	
	GridOPTICS– A Design for Plug-and-Play Smart Grid Software Architecture	5
	Ian Gorton, Yan Liu and Jian Yin (PNNL, Richland, US)	
	Joint Discussion	30
10:15-10:45	**Break**	30
10:45-12:45	**Presentation Session 2 "Methods & Models for the Smart Grid"**	
	Applying Formal Software Engineering Techniques to Smart Grids	15
	Georg Hackenberg, Maximilian Irlbeck, Vasileios Koutsoumpas and Denis Bytschkow (fortiss GmbH, Technical University of Munich, Munich, Germany)	
	A Common Analysis Framework for Smart Distribution Networks Applied to Survivability Analysis of Distribution Automation	15
	Anne Koziolek, Lucia Happe, Alberto Avritzer and Sindhu Suresh (University of Zürich, Switzerland; Karlsruhe Institute of Technology, Germany; Siemens Corporate Technology, Princeton, US)	
	Challenges on Software Defect Analysis in Smart Grid Applications	5
	Mohsen Anvaari, Daniela S. Cruzes and Reidar Conradi (Norwegian University of Science and Technology, Trondheim, Norway)	
	Initial Survey of Smartgrid Activities in the Norwegian Energy Sector – Use cases, Industrial challenges and Implications for Research	5
	Tosin Daniel Oyetoyan, Reidar Conradi and Kjell Sand (Norwegian University of Science and Technology, Trondheim, Norway; SINTEF, Trondheim, Norway)	
	Adaptive Security and Privacy in Smart Grids: A Software Engineering Vision	5
	Mazeiar Salehie, Liliana Pasquale, Inah Omoronyia and Bashar Nuseibeh (Lero – The Irish Software Engineering Research Centre, University of Limerick, Ireland; The Open University, Milton Keynes, UK)	
	Software models for Smart grid	5
	Anjali Singhal and Ramendra Saxena (Dept of Computer Science Mahamaya Technical University, India)	
	Joint Discussion, Formation of Breakout Discussions Groups	70
12:45-14:00	**Lunch break**	75
14:00-15:30	**Breakout Groups Discussion Session**	90
15:30-16:00	**Break**	30
16:00-17:30	**Joint Discussion Session & Closing**	90