

SESSION 1: POWER LINES ELEMENTS

Chairman: Prof. Dragan Tasic, PhD., Electronic Faculty Nis

1. Modern power lines elements construction in urban and rural environment
2. Reliability, diagnosis and strategy for power lines elements maintenance
3. Design and testing of power lines elements
4. Influence of power lines elements on the environment
5. Smart Grid Elements

SESSION 2: POWER QUALITY AND ELECTROMAGNETIC COMPATIBILITY

Chairman: Prof. Vladimir Katic, PhD, Faculty of Technical Sciences, Novi Sad

1. Quality of delivered power (voltage quality) - higher harmonics, flicker, voltage sags, short breaks and other deviations in consumer supply – causes, expansion, immunity, elimination
2. Devices and methods for measuring and monitoring power quality (diagnostic methods, equipment, steps, etc.)
3. Domestic and European power quality technical regulations (standardization, technical regulations and methods)
4. Conditions of attaching nonlinear consumers – higher harmonics, flicker, asymmetries – sources, expansion, conditions of attachment, elimination methods
5. Influence of insufficient quality to consumers operating – voltage sags, short breaks and other deviations in consumer supply – causes, expansion, immunity, elimination
6. Over-voltage and over-voltage protection in power distribution networks, electromagnetic compatibility
7. Grounding disturbances and power quality
8. Small power plants and other renewable energy sources work and attachment (distributed generators) and power quality

SESSION 3: MANAGEMENT AND PROTECTION

Chairman: mr Dusan Vukotic, EPS Distribution Belgrade

1. The strategies during replacing SCADA systems, reconstruction of the relay protections and implementation of the substation automation systems

2. The usage of energy application within electric utilities
3. The electric distribution network control in a market driven environment.
4. The automation of electric distribution networks
5. Voltage control in MV and LV grids
6. Security aspects of information access and information exchange
7. The usage of communication systems for protection and network operation
8. Impact of Distributed Generation ("DG") on traditional protection and control systems
9. Reliability aspects of IEC 61850 based protection
10. Post mortem analyses of faults and fault records
11. Communication techniques and protocols for "Smart Grids" and "Smart Metering"
12. Interdependency of network control and communication infrastructure
13. Data demand, data and documentation management

SESSION 4: DISTRIBUTED PRODUCTION AND EFFICIENT USE OF POWER

Chairman: Zeljko Popovic, PhD, EPS Distribution Subotica

1. Integration of distributed power sources
2. Efficient use of power
3. Load management
4. Smart meters and systems use for remote control and reading of meters

SESSION 5: DISTRIBUTION SYSTEMS PLANNING

Chairman: Aleksandar Janjic, PhD, Electronic Faculty Nis

1. Balance between different criteria in distribution network planning
2. Minimal energy efficiency requirements in distribution networks
3. Asset life cycle management in uncertain environment
4. Distribution infrastructure optimization for a new consumer type

SESSION 6: ELECTRICITY MARKET AND DEREGULATION

Chairman: Nenad Katic, PhD, Schneider Electric DMS NS

1. Opening of electricity market and deregulation of electricity sector in the region
2. Methodologies of regulation and experiences
3. Principles and experiences of electricity markets, new electricity providers and experiences in contracting deliveries
4. Smart Grid solutions in competitive environment of open electricity market

