8.30 - 9.15	Key-Note Paper for all Participants
	Electronics for enabling distributed resources in electrical system - From the State of the Art to Future Trends Benoit Jacquemin, Director System Innovations, Schneider Electric, FRANCE
	(see introduction page 31)
9.20 – 10.50	Session PQ 5 – Parallel running to Session PQ 7
	Wind Energy - General Solutions
	Chairman: Frede Blaabjerg, Aalborg University, DENMARK
PQ 5-1	Windenergy and Offshore Windparks P. Bauer, S.W.H. De Haan, M.R. Dubois, Delft University of Technology, THE NETHERLANDS
PQ 5-2	Wind Power Generation - State-of-the-Art and Future Trends M. Deike, SEG, GERMANY
PQ 5-3	Generator Systems for Wind Turbines H. Polinder, M. Dubois, J.G. Slootweg, Delft University of Technology, THE NETHERLANDS
10.50 - 11.10	Coffee Break
11.10 - 12.40	Session PQ 6 - Part I - Parallel running to Session PQ 7
	Wind Energy - Technical Solutions
	Chairman: Paul Bauer, Delft University of Technology, THE NETHERLANDS
PQ 6-1	Latest Developments in Power Electronic Converters for Megawatt Class Windturbines Employing Doubly Fed Generators R. Hudson, Xantrex, M. Seehuber, Loher, GERMANY
PQ 6-2	Modeling of Soft-Starters for Wind Turbine Applications F. Iov, F. Blaabjerg, R. Teodorescu, A.D. Hansen, RISO National Laboratory, DENMARK
PQ 6-3	Integrated Approach to Network Stability and Wind Energy Technology for On-Shore and Offshore Applications J.H.R. Enslin, J. Knijp, KEMA, P. Bauer, Technical University Delft, THE NETHERLANDS
9.20 - 12.10	Session PQ 7 – Parallel running to Session PQ 5, PQ 6-Part I
	Innovative Solutions for Power Factor Corrections
	Chairman: Yasuyuki Nishida, Nihon University, JAPAN
PQ 7-1	Historical Review of Passive PFC Rectifiers Y. Nishida, Nihon University, JAPAN
PQ 7-2	Application of the Third Harmonic Current Injection in Three-Phase Thyristor Rectifiers to reduce the Input Current Harmonic Distortion P. Pejovic, Faculty of Electrical Engineering, YUGOSLAVIA, D. Shmilovitz, Tel-Aviv University, ISRAEL
PQ 7-3	A Passive PFC Technique in Dual 3-Phase Bridge Diode Rectifier Y. Nishida, Nihon University, JAPAN
10.50 - 11.10	Coffee Break
PQ 7-4	Reactor-Coupled 12-Pulse Rectifiers of High-Frequency Generators for Cogeneration Systems K. Oguchi, N. Hoshi, T. Kubota, Ibaraki University, JAPAN
PQ 7-5	Experimental Analysis of a Novel Bidirectional Three-Phase Third Harmonic Injected AC/DC Rectifier with Low Effects on the Mains U. Drofenik, G. Gong, J.W. Kolar, ETH Zürich, SWITZERLAND

12.40 – 1.10	Lunch, Restaurant CCN West 1 st floor
1.40 – 2.40	Poster/Dialogue Sessions PQ D-2, CCN West 2 nd floor
	Chairman: Manfred Grötzbach, University of Federal Defense, GERMANY
PQ D2-1	Modeling and Simulation of Six-Phase Induction Generator Systems for Renewable Energy Applications S. Kato, N. Hoshi, K. Oguchi, Ibaraki University, JAPAN
PQ D2-2	An Adaptive Hysteresis Band Current Controller for Shunt Active Power Filter E. Ozdemir, M. Kale, Kocaeli University, TURKEY
PQ D2-3	Prototyping and Experimental Testing of Unconventional High-Power-Quality Modulators for A.C. Resistive Heaters D. Casini, L. Taponecco, University of Pisa, ITALY
PQ D2-4	Cable Selection and Shunt Compensation for Offshore Windparks M. Pavlovsky, P. Bauer, Delft University of Technology, THE NETHERLANDS
PQ D2-5	Application Specific Power Converter solves System Issues W. Zoske, American Superconductor Europe, GERMANY
PQ D2-6	Use of resistive Dipole in Measuring the Radiation Interference D. Maga, R. Harsansky, Alexander DubUek University o Treniin, SLOVAKIA
PQ D2-7	Use o Resistive Dipole in Measuring the Radiation Interference D. Maga, R. Harsansky, Alexander DubUek University o Treniin, SLOVAKIA
PQ D2-8	Possibilities of Electrical Equipment Radiation Interference Measurement R. Harsansky, D. Maga, Alexander DubUek University o Treniin, SLOVAKIA
2.40 - 5.00	Session PQ 6 Part II – Parallel running to Session PQ 8
PQ 6-4	New Coordination Rules for Power Quality in Wind Parks M. Berger, G. Brauner, Technical University Vienna, AUSTRIA
PQ 6-5	Control Strategy for Small Stand-Alone Wind Turbines R. Teodorescu, F. Blaabjerg, F. lov, Aalborg University, DENMARK
3.40 - 4.00	Coffee Break
PQ 6-6	Investigation of the Harmonic Transformation Properties of Double Fed Asynchronous Generators in Wind Energy Converters D. Schulz, R. Hanitsch, Technical University Berlin, GERMANY, E. Tognon, ETA Renewable Energies, ITALY
PQ 6-7	Analysis of Reduced Order Models for Large Wound-Rotor Induction Generators in Wind Turbine Applications F. Iov, F. Blaabjerg, Aalborg University, A.D. Hansen, RISO National Laboratory, DENMARK
2.40 - 4.10	Session PQ 8 – Parallel running to Session PQ 6-Part II
	Photovoltaics Applications
	Chairman: Johann HR Enslin, KEMA, THE NETHERLANDS
PQ 8-1	Control Behaviour of a Solar Power Inverter K.H. Edelmoser, Technical University Vienna, AUSTRIA
PQ 8-2	Power Quality Behaviour of different Photovoltaic Inverter Topologies P.J.M. Heskes, ECN PV Systems Technology, J.H.R. Enslin, KEMA, THE NETHERLANDS
PO 8-3	Sun HMW THS High Power Air-Cooling for Focused Solar PhV Converters