

Topic Chair persons and co-chairpersons

I. COMPONENTS AND SYSTEMS RELATED ISSUES

A. DEVICES, PACKAGING AND SYSTEM INTEGRATION

Topic 1: Active devices

Dr. José Millán, Centro Nacional de Microelectronica (CNM), Spain

Prof. Dr. Josef Lutz, Technical University of Chemnitz, Germany

Topic 2: Passive components, system integration & packaging

Dr. Martin Fasching, mfTEC Fasching KG, Austria

Prof. Braham Ferreira, Delft University of Technology, The Netherlands

Topic 3: Power system integration

Dr. Thierry Meynard, LAPLACE – University of Toulouse, France

Dr. Uwe Scheuermann, SEMIKRON ELEKTRONIK GMBH & CO. KG, Germany

B. POWER CONVERTERS TOPOLOGIES AND DESIGN

Topic 4: Soft switching converters and control

Prof. Dr. ir. Alex Van den Bossche, Universiteit Gent, Belgium

Dr. Stig Munk-Nielsen, University of Aalborg, Denmark

Topic 5: Hard switching converters and control

Dr. Frans Dijkhuizen, ABB Corporate Research, Sweden

Prof. Sarath Tennakoon, Staffordshire University, United Kingdom

C. MEASUREMENT AND CONTROL

Topic 6: Modulation strategies and specific control methods for static converter

Prof. Jon Clare, University of Nottingham, United Kingdom

Dr. Eric Monmasson, Université de Cergy-Pontoise, France

Topic 7: Application of control methods to electrical systems

Prof. Hans-Peter Nee, The Royal Institute of Technology, Sweden

Dr. Ahmed Zobaa, Brunel University, United Kingdom

Topic 8: Measurements and sensors

Prof. Dr. Helmut Weiss, University of Leoben, Austria

Prof. Jero Ahola, Lappeenranta University of Technology, Finland

D. ELECTRICAL MACHINES AND DRIVE SYSTEMS

Topic 9: Motion control, robotics, special drives, haptics, communication in drive systems

Prof. Betty Semail, Université Lille 1, France

Prof. Yves Perriard, EPFL - IMT – LAI, Switzerland

Topic 10: Electrical Machines

Prof. Uwe Schäfer, Technical University of Berlin, Germany

Prof. Domenico Casadei, University of Bologna, Italy

Topic 11: Adjustable speed drives

Prof. Emil Levi, Liverpool John Moores University, United Kingdom

Prof. Alfio Consoli, Università degli studi di Catania, Italy

Topic 12: High performance drives

Prof. Greg Asher, University of Nottingham, United Kingdom

Prof. Dr. Robert D. Lorenz, University of Wisconsin – Madison, USA

Topic 13: Energy efficiency, energy saving issues in system components

Dr. ir. Sjoerd Bosga, ABB AB, Sweden

Prof. Dr. Ing. Walter Schumacher, Technische Universität Braunschweig
Carolo-Wilhelmina, Germany

II. APPLICATIONS RELATED ISSUES

E. APPLICATIONS OF POWER ELECTRONICS IN GENERATION OF ELECTRICAL ENERGY, RENEWABLE ENERGY SYSTEMS, WIND, PV, TIDAL, WAVE, ETC...

Topic 14: Converters for rotating and linear generators

Dr. Jouko Niiranen, ABB Oy, Finland

Prof. Jan Melkebeek, Belgium

Topic 15: Non-rotating power generation and storage systems

Prof. Axel Mertens, Leibniz Universität Hannover, Germany

Prof. Frede Blaabjerg, Aalborg University, Denmark

F. APPLICATIONS OF POWER ELECTRONICS IN TRANSMISSION AND DISTRIBUTION OF ELECTRICAL ENERGY

Topic 16: Power electronics in transmission and distribution

Prof. Jean-Luc Thomas Conservatoire National des Arts et Métiers
Electrotechnique et SUPELEC, France

Prof. Hans-Guenter Eckel, University of Rostock, Germany

G. APPLICATIONS OF POWER ELECTRONICS IN USERS DEVICES/PROCESSES

Topic 17: Power supplies

Dr. José Marcos Alonso Alvares, University of Oviedo, Spain

Prof. Alain Berthon, Université de Franche-Comté, France

Topic 18: Electrical systems in Road Vehicles

Prof. Dr. ir. Joeri Van Mierlo, Vrije Universiteit Brussel, Belgium

Prof. Andrea Vezzini, Berne University of Applied Sciences Switzerland

Topic 19: Electrical systems in aerospace, space, surface and marine transport (not road)

Prof. Marcel Jufer, EPFL - STI – LAI, Switzerland

Dr. Sandro M. Tenconi, OCEM SpA, Italy

Topic 20: Industry specific energy conversion and conditioning technologies

Dr. Sergej Kalaschnikow, DANFOSS GMBH, Austria

Prof. Dr. Ing. Günter Schröder, Universität Siegen, Germany

Topic 21: Energy conversion and conditioning technologies in physics research and related applications

Dr. Frédérick Bordry, C.E.R.N., Switzerland

Prof. Dr. Enrique J. Dede, G.H. Electrotermia SA, Spain

H. EDUCATION IN ELECTRICAL ENGINEERING

Topic 22: Education in electrical engineering

Prof. Tore Undeland, Norwegian Institute of Technology, Norway

Dr. Miran Rodic, University of Maribor, Slovenia