

17th International Conference on Electrical Drives and Power Electronics

EDPE 2013

Dubrovnik, Croatia, October 2-4, 2013

The 17th International Conference on Electrical Drives and Power Electronics – EDPE 2013 (6th Joint Croatia-Slovakia conference) was held in Dubrovnik, Croatia, from 2 to 4 October 2013. It was organized by KoREMA, Croatian Society for Communications, Computing, Electronics, Measurement and Control (<http://www.korema.hr>) and SES (Slovak Electrotechnical Society) in collaboration with: FER (Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia), FEI (Faculty of Electrical Engineering and Informatics, Technical University of Kosice, Slovakia) and ACROSS – Centre of Research Excellence for Advanced Cooperative System. The conference was supported by the Ministry of Science, Education and Sports of the Republic of Croatia; Končar Electrical Industries Inc.; Siemens Croatia Inc.; Montelektro Ltd. and Cognitio elektronika Ltd.

The EDPE 2013 technical program consisted of 63 accepted papers and 59 presented papers authored by 123 authors from 18 countries. Each paper was evaluated by two independent expert reviewers. EDPE 2013 was supported by an International Steering Committee with 45 members from 17 countries. The technical program was divided into ten regular oral sessions and two invited sessions, which were arranged in two parallel tracks for the three days of the conference. Contributions on basic research as well as on relevant applications were included in the technical program. These contributions covered wide range of topics related to power electronics, electrical machines, motion control and renewable energy sources, providing a valuable insight into the state of the field at the present time. The technical program of the Conference also included two invited keynote lectures given by distinguished professors/researchers:

- **Universal Operation of Small and Medium Size Renewable Energy Systems**, presented by Professor Marco Liserre (University of Bari, Italy and University of Kiehl, Germany) outlined major challenges of power converters design for small and medium size renewable sources
- **Multi-megawatt wind turbine control – from research to field experience**, presented by Mate Jelavić, PhD (KONČAR-Electrical Engineering Institute Inc., Zagreb, Croatia) described the process of wind turbine control system design, from the research phase



Figure 1. Opening session (from left to right: professors Jaroslav Dudrik, Viliam Fedak, Fetah Kolonić and Željko Jakopović).

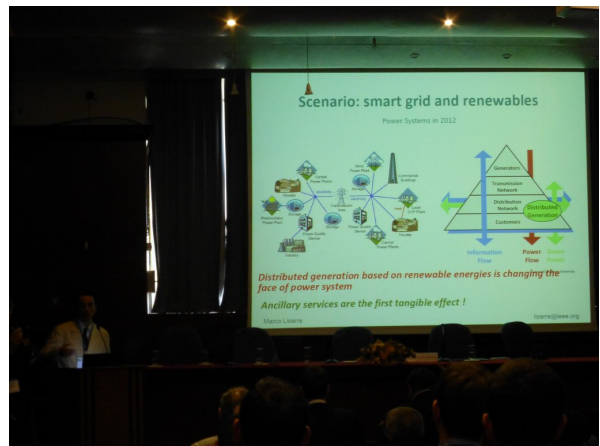


Figure 2. Prof. Marco Liserre giving keynote lecture.

to the field deployment, with the special emphasis on the field experience.

The technical program was also enriched by two special plenary sessions:

- **Four Phase Open Laboratory Converter**, presented by Mr. Fran Damir Sabolić, Manager of the Cognitio elektronika Ltd.
- **Research activities of the ACROSS Centre**, present by Prof. Ivan Petrović, Head of the Centre.

To conclude, it can be said that the 17th International Conference on Electrical Drives and Power Electronics – EDPE 2013 was well attended, with a very active participation in technical activities and the general feeling we got



Figure 3. Prof. Ivan Petrović presenting research activities of the ACROSS Research Centre.

from attendees' comments has been very positive. The participants appreciated the technical program as well as the social one and were very happy with the quality of the presentations and the friendly atmosphere. Of course, the success of the EDPE 2013 is the result of the effort of many people. We would like to thank all the authors, International Steering Committee members, National Organizing Committee members, reviewers, and participants for their contributions, and also the session chairs for conducting the technical sessions and providing valuable feedback on their development. We are also grateful to the volunteers who contributed to the organization.

Further details about the EDPE 2013 including the final program can be found at the web page <http://www.edpe2013.fer.hr>.



Figure 4. Cocktail party.

Prof. Fetah Kolonić, General Chair
Prof. Jadranko Matuško, Program Chair