

Project of co-operation of middle-european universities in Power Engineering

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Abstract — Annually the specialists and university teachers in a branch of Electrical Power Engineering are meeting on the conference — “Intensive Programmes” (IP) under supervision of european association SOCRATES — Education and Culture. Since 1999 till present it was realized always one meeting — conference per year. University of West Bohemia in Pilsen co-operate with University of Applied Sciences, Zwickau, Germany, Technical University Kosice, Slovakia, Technical University Chemnitz, Germany, University of Technology, Graz, Austria, and industrial partners. Goal of IP project “Distributed Power Generation Systems” is introduction the latest trends in power generation, transmission and distribution into the study programmes of all the partner universities in order to train specialists who will be able to deal with the new situation in power generation in Europe, especially in Central Europe. Special emphasis is on the alternative sources of energy and distributed energy systems. The next is to harmonize the study programmes of the partner institutions with the help of the jointly designed and implemented IP and the subsequent inclusion of the course in the curricula of all IP partners, in groups Students studying for a Master’s degree and also students in Bachelor and doctoral programmes. Main activities are for example preparation, organization and evaluation of IP, dissemination of results — joint design and publishing of teaching materials, preparations for the integration of the course in the study programmes of all partner institutions. Expected outputs are design and implementation of the IP (later to be integrated in the curricula and study programmes of all the partner universities), teaching materials and proceedings of the IP, BSc., MSc., Ph.D. theses or semester projects dealing with the topics of the IP. Power engineering and technical ecology are an important part of the study programmes at all the five institutions. The problems to be dealt with in the IP are closely connected with these study programmes, the IP will, however, concentrate on possible solutions for the future. In this respect it is also in full agreement with one of the priorities of the European Union. — the maximum use of alternative sources of energy. The project will prepare specialists for a wide and rational use of alternative sources and also for a reliable and safe operation of energy power networks in the new conditions.

Index Terms — co-operation among the european universities, education, harmonization of study programmes, Intensive Programmes