

Appendix 4

Information materials for postgraduate studies in POWER ELECTRONICS

ORGANISER

Faculty of Electrical Engineering of the Warsaw University of Technology, Institute of Control and Industrial Electronics in cooperation with MEDCOM

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HEAD

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DESCRIPTION

Postgraduate studies in POWER ELECTRONICS prepares students for work in the area of design, research, and operation of state-of-the-art power electronics converters. The team of instructors includes academic staff members of the Warsaw University of Technology – the best technical university in Poland – and employees of Medcom – a leading Polish manufacturer of the power electronics converters, thereby combining solid academic knowledge and the latest research achievements with long-standing experience in numerous areas of the application of power electronics.

The studies put particular emphasis on familiarizing the participants with the latest achievements in the areas of:

- topologies of power electronics converters,
- their components (including semiconducting components based on silicon carbide, SiC, and gallium nitride, GaN),
- practical safeguard and measurement systems,
- microprocessor systems and their software,
- microcontroller interfaces,
- battery and supercapacitor systems.

Participants will have the chance to attend lectures and take part in specially developed laboratory classes in power electronics converters and microprocessor technology. There will also be computer simulations using state-of-the-art software.

DURATION

2 semesters, 360 hours

TERMS OF ADMISSION

In order to be admitted, candidates must have graduated from a first or second cycle degree program, be fluent in English, and hold an SEP (Association of Polish Electrical Engineers) qualification certificate for voltages up to 1kV. Admissions will be based on an interview.

FEES

The tuition fee is PLN 5,000. This can be paid in two instalments.

ADDITIONAL INFORMATION

Classes will be held over 12 sessions per semester, on Friday afternoons and Saturdays (whole day with a lunch break).