

University Politehnica Timisoara
Faculty of Engineering Hunedoara

**Master degree program: ADVANCED SYSTEMS FOR INDUSTRIAL USE OF
THE ELECTRICAL ENERGY**

The mission of the master degree program *Advanced systems for industrial use of the electrical energy* enrolls in the general mission of the Faculty of Engineering Hunedoara, being to train specialists with higher technical training in electrical engineering, particularly in the manufacturing, design and research for the industrial use of the electrical energy.

The master program meets the growing demand for specialists (for research and industry) with a stock of knowledge and skills in electrical engineering to cover the needs of specialists in a part of the west zone of the country.

The degree program offers graduates the opportunity to deepen knowledge in the *Electrical Engineering* domain, in particular in the advanced use of electrical energy. The degree domain enables graduates to know and be able to apply measurement techniques and analyze the quality of the electrical energy, high performance electro-thermal processing of the materials, machinery and electrical actuators or to meet special applications in the use of the electrical energy. Also it familiarizes graduates with the appropriate use of specific language in communication with different professional backgrounds and also makes it possible to use the electrical knowledge for interpreting and solving the new situations that can occur in production, design and research with electrical specific, especially in the use of electrical energy .