

Family name **PETRESCU Camelia**
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Didactic activity

Courses: Electrotechnics;
Theory of electromagnetic fields
Labs/projects/
seminars: Electrotechnics;
Theory of electromagnetic fields
Teaching materials (link
): <http://moodle.dc.ac.tuiasi.ro/course/view.php>

Scientific activity

Research fields - numerical methods for electromagnetic field analysis;
- numerical circuit analysis;
- optimization of electromagnetic devices;
- high frequency dielectric and conductor heating;
- actuators based on magnets and ferrofluids;
- power quality analysis.

Publications: 8 books (monographs and textbooks) published by national publishing houses
4 textbooks published by the Technical University of Iasi
126 scientific papers :
– 27 ISI Web of Science (13 in journals and 14 in conference proceedings)
– 74 in journals and conferences indexed in international data bases
– 25 at national symposia
3 patents

Research grants: 10 research grants
National grant - director

Collaborations / Other activities:

International partnerships and collaborations: University of Lisbon

National partnerships and collaborations: University Politehnica of Bucharest, Faculty of Electrical Engineering
Constanța Maritime University

Member of: IEEE Magnetics Society

Curriculum vitae (link)