University "POLITEHNICA"
of Bucharest

EUROPEAN PROJECT SEMESTER

University "POLITEHNICA" of Bucharest

FACULTY OF MECHANICAL ENGINEERING AND MECHATRONICS

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University "POLITEHNICA" of Bucharest

FACULTY OF MECHANICAL ENGINEERING AND MECHATRONICS

Dean: prof.dr.ing. Alexandru Dobrovicescu

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About BUCHAREST

Bucharest has become one of the most beautiful European capitals.

It is formerly known as "Little Paris" throughout the 18th and 19th century, due to the brightness of its cultural life and social atmosphere and thanks to its architecture.

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Located in the South – East of Romania, on the Dâmboviţa river, Bucharest is about 60 km far from the Danube, 100 km far from the Carpathian Mountains and 250km far from the Black Sea.

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Surrounded by wide avenues, the Palace of Parliament sprawls in the south.

The majestic Romanian Athenaeum music hall and the world-class National Art Museum represent only some of the city's architectural masterpieces and the historical center is still caught in the time trap, featuring a contrast between past and present.

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What will an EPS student find in Bucharest?

A world-wide recognized centre of excellence in learning, teaching and practice, providing you with state-of-the-art amenities and cutting-edge research opportunities together with the chance to walk in the footsteps of so many of the world's most influential thinkers and inventors;

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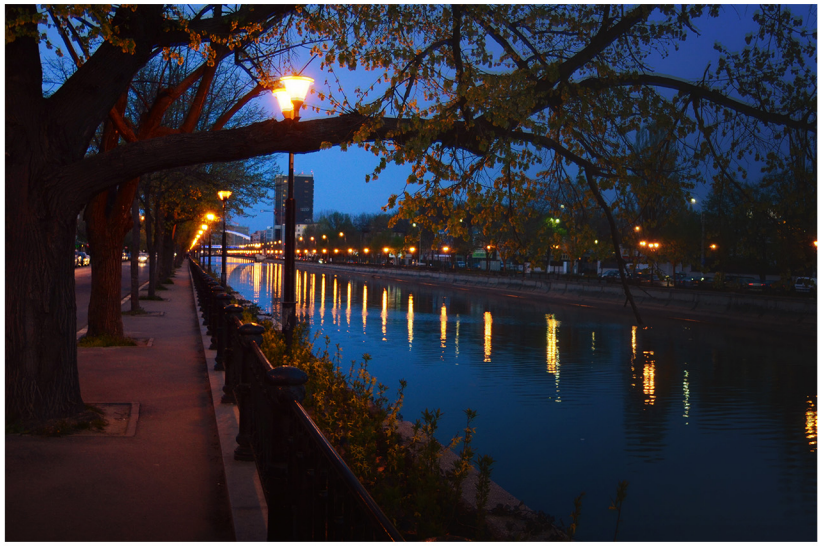
What will an EPS student find in Bucharest?

Excellent academic standards with reasonable tuition fees and daily costs;
A wonderful blend of tradition and modernity, vitality and performance, along with traditional and new campuses at low cost;
An unique cultural experience in a dynamic and multinational environment;
A world-class qualification and the chance to develop the knowledge of English plus a handy repository of Romanian;
International intercultural and teamwork skills that are of great value to future employers and an essential advantage in a dynamic world, long-lasting friendly and professional network;
Cultural growth by traveling around the country and tasting the flavors of bygone historic and geographical times.



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An EPS student's profile

Final year student in engineering, studying for 17 weeks during the spring semester (starting the 15th of February)

Good command of English;
Resourceful, open-minded, good team player and tolerant of differences.

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The EPS offer:

Intensive program for one final semester of studies (during spring) in Industrial Design and Mechanical Engineering;

Students will work in multidisciplinary European teams;

Innovative training program, in English, for the future Industrial Design Engineers;

Congenial working atmosphere and attractive outdoor activities.

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EPS Courses provided:

Ergonomics and Sustainable Development
English Course/Romanian Crash Course
Communication Skills
Virtual Prototype – Computational Multibody Dynamics
Human Centered Design
Project Management

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Spring semester 2014:
Start 17 February 2014

2 Teams : 8 students of different nationalities

A tutor delegated from our faculty (FIMM)

Multidisciplinary subjects in collaboration with:
an industrial partner
(see Metric presentation : http://www.metric.ro/lang=en;
and Ruris: http://www.ruris.ro/en)

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Projects proposed

1. "Design and Upgrading of a Professional Tiller"

Tutor: Radu Bogdan (radu.bogdan @upb.ro)
Design Advisor: Lucian Cucu (lucian.cucu@upb.ro)
Team: 4 students from Spain, France, ..., Romania
Industrial partner: RURIS "Power for Nature" (http://www.ruris.ro)

Project activities:

- bibliographic research
- technical calculations ;
- design upgrading;
- design and computer simulation ;
- mechanical tests.

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Projects proposed

2. "Design and Technology in Thermosetting Manufacturing of Sinks"

Tutors: Gina Florica Stoica (gina.stoica@upb.ro); Dinu Dumitrescu (dinu.dumitrescu@metric.ro);
Design Advisor: Lucian Cucu (lucian.cucu@upb.ro)

Team: 4 students from Spain, France, ..., Romania
Industrial partner: METRIC Productions (http://www.metric.ro)

Project activities:

- bibliographic research;
- technological study;
- realization of prototypes.

METRIC production

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For more on accommodation,
please check "incoming students"