



WELCOME IN UPB and particularly, in FILS!



Faculty of Engineering in Foreign Languages

<http://ing.pub.ro/>



<https://www.facebook.com/fils.upb/>

<https://international.upb.ro/academics/degrees-in-foreign-languages/undergraduate-studies>



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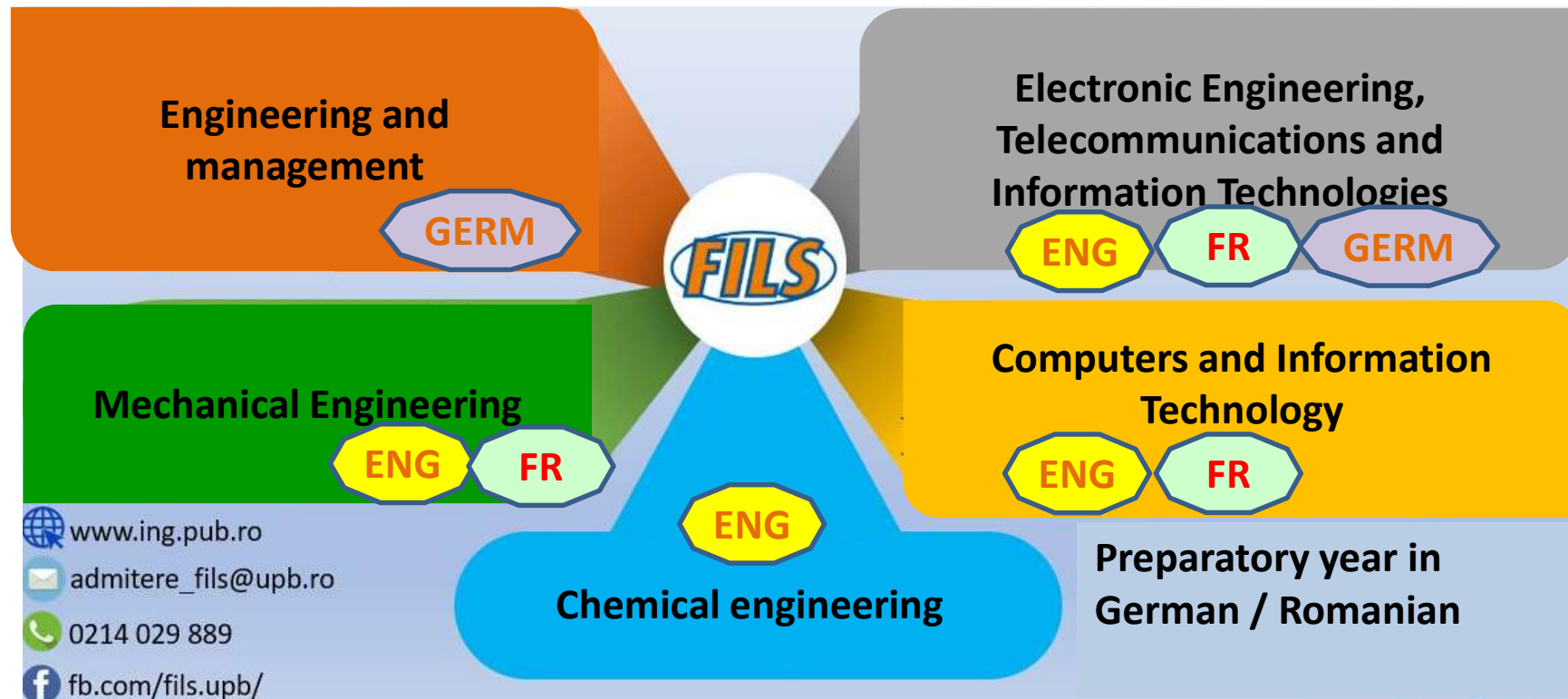
MASTER

APPLY



<http://ing.pub.ro/>

Faculty of Engineering in Foreign Languages



Study plans, booklets and more on
<http://ing.pub.ro/en/education/licence/>

240 ECTS, 4 years



http://www.youtube.com/watch?v=SUD-FCm3ZRo&feature=player_embedded



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Bachelor programs

- | | |
|---|--------------------------------------|
| <ul style="list-style-type: none">• Information Technology• Applied Electronics• Mechanical Engineering• Chemical Engineering• Engineering and Management - GERMAN | <div>ENGLISH</div> <div>FRENCH</div> |
|---|--------------------------------------|

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<http://ing.pub.ro/>

MASTER programs

ENGLISH

- Business Administration and Engineering
- Software Engineering ,
Double diploma with University of Groningen
- Energy Engineering,
in cooperation with T. U. Darmstadt
- Biomaterials for Tissue Engineering

FRENCH

- Management, innovation et technologies des systèmes collaboratifs
- Ingénierie des systèmes industriels
Double diploma with INP TOULOUSE
- Technologies de la traduction automatique
- Ingénierie des systèmes intégrés avancés

GERMAN

- Geschäfts- und Industrieverwaltung
- Nachhaltige Geschäftsexzellenz und Leadership in der Industrie

More details:

<http://ing.pub.ro/en/education/master/>



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OPPORTUNITIES FOR YOU

☐ Industrial Training / Summer Internship (IIIrd year)



OMV Petrom



HUAWEI

THALES



Adobe



☐ UPB SCHOLARSHIPS

OPPORTUNITIES FOR YOU

❑ ERASMUS mobilities



STUDENT MOBILITY

CEEPUS

Free movers

DAAD – Deutscher Akademischer
Austausch Dienst

ERASMUS+

Double Degrees

Athens Program

EEA Grants

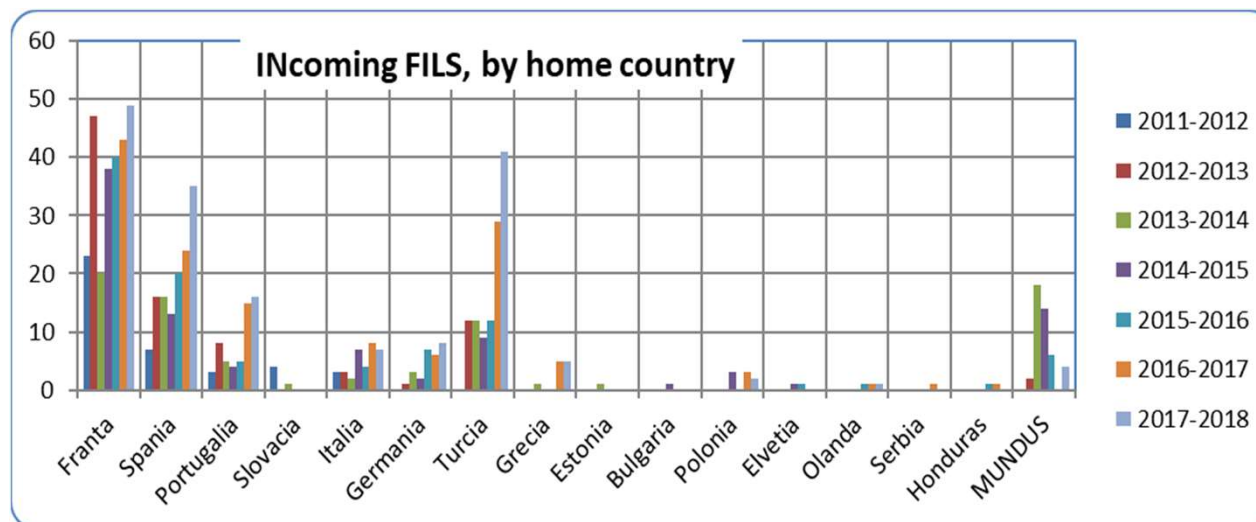
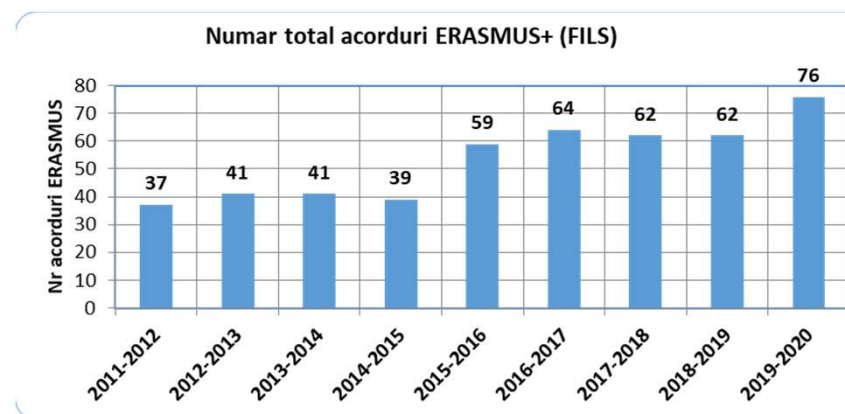
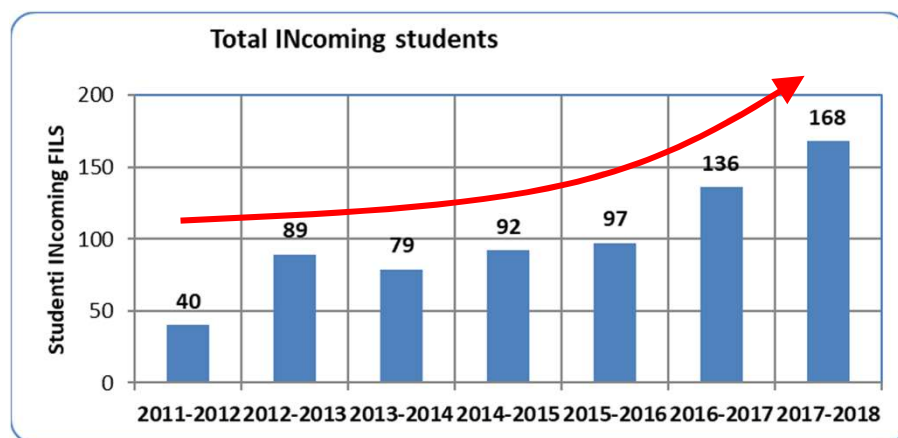
❑ DOUBLE DEGREE mobilities

14 partner universities <https://upb.doubledegree.ro/>

the students will receive diplomas from both UPB and one from partner Universities.

OPPORTUNITIES FOR YOU

INTERNATIONAL ENVIRONMENT



OPPORTUNITIES FOR YOU

- ☐ **LEARN & RESEARCH IN WELL-EQUIPPED LABORATORIES** with modern facilities
- ☐ **CONTINUING STUDIES: MASTER / DOCTORAL PROGRAMS** – in UPB or abroad
- ☐ Be involved in **OUTSTANDING RESEARCH ACTIVITIES** in university research centers





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OPPORTUNITIES FOR YOU

❑ STUDENTS ASSOCIATIONS

❑ STUDENTS CLUBS



Recrutare



Hackathon



W.E.I.



Idea Fest



Saptamana de
craciun



ASAFFilm



Love Notes



Balul
Francofoniei



Targ de Job-uri



TeamBuilding



99 probleme



Treasure Hunt

DAAD
Deutscher Akademischer Austauschdienst
German Academic Exchange Service



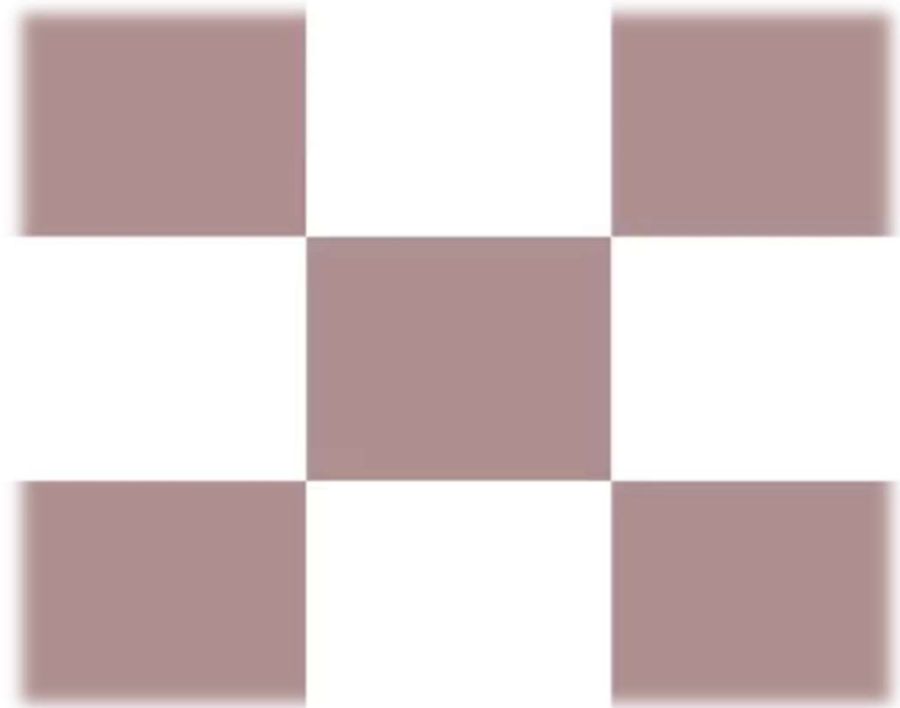
Stage « Découverte de l'entreprise en France » Melle

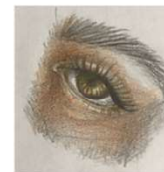
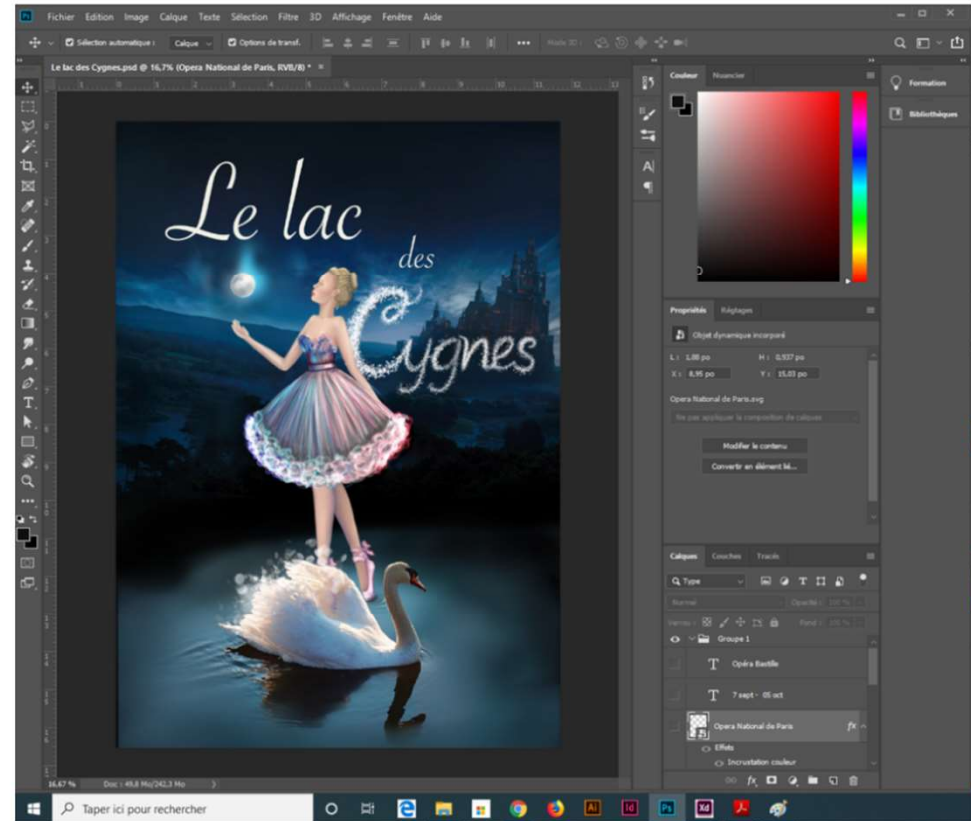
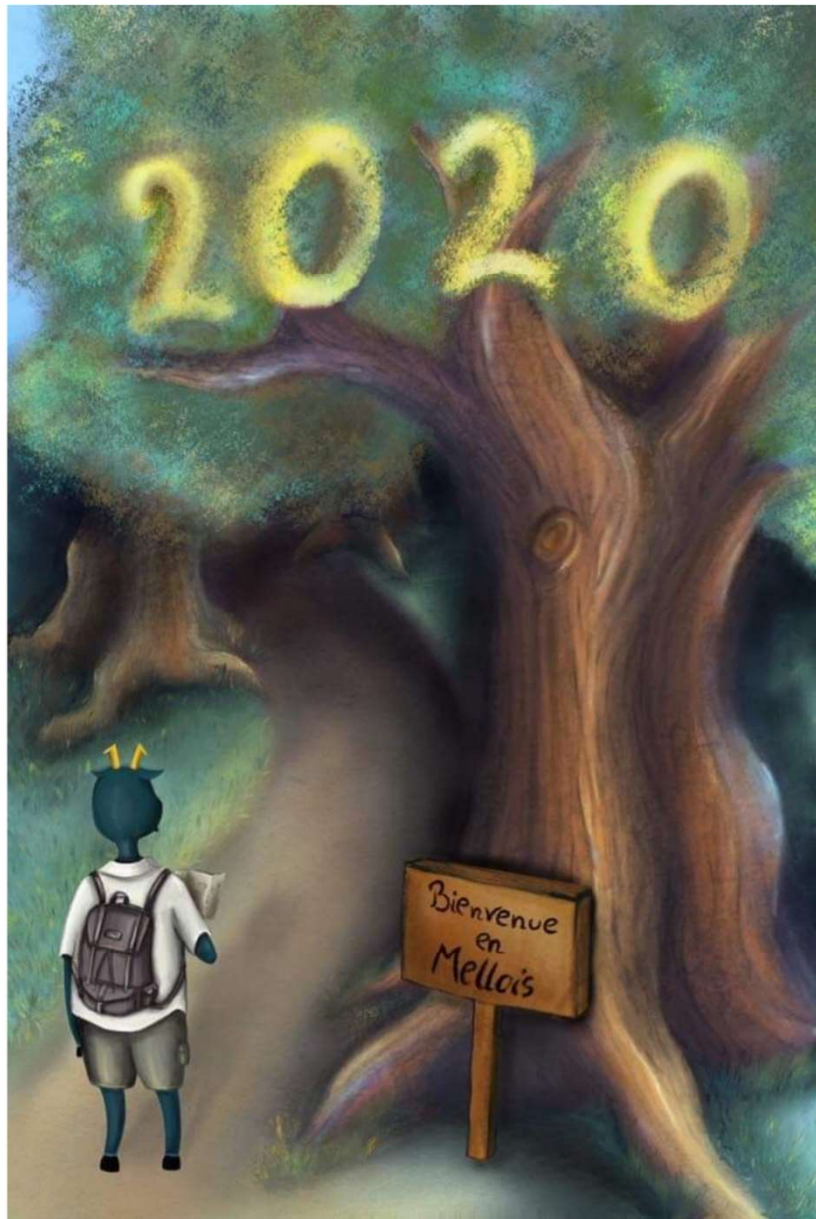


What does that mean?

You spend a month in France, in September, doing an internship with a partner company.

Try to adapt to new habits
and experiences, make
more friends and
memories!







ICI, Nos Abeilles RÉSISTENT !

L'essentiel est dans l'étiquette

On a fait dire à Albert EINSTEIN : « lorsque les abeilles disparaîtront, il ne restera que 4 années à vivre pour l'humanité ». S'il s'avère que cette citation n'est pas de lui, les abeilles comme l'ensemble des insectes pollinisateurs jouent un rôle crucial pour notre alimentation.

Imaginons ensemble un futur sans eux. Qui devrait alors faire la pollinisation de nos champs de maïs, blé, colza... Qui devrait alors faire la pollinisation de nos arbres fruitiers, pruniers, cerisiers, pommiers ? Imaginons, des cohortes d'humains équipés de pinceaux pour polliniser chaque fleur de chaque arbre ou chaque pied dans chaque champ. Un scénario catastrophe digne de Hollywood !

NOS PRODUCTEURS LOCAUX, CÉS HÉROS

En Maine, nous avons de nombreux producteurs de miel, vernalles, artisans au service des territoires. Grâce à leurs bons soins, les abeilles peuvent aller butiner sereinement, fabriquer du bon miel. Certains extraient aussi de la gelée royale, récupèrent du pollen quand d'autres vont jusqu'à le transformer en délicates sucreries ou phéromones. Il y en a pour tous les goûts.

Infos pratiques :

- Les Jardins de la Botanique
- le jardin de la Botanique
- Conette et potager
- couvertures gites.com
- Miellette de Titelle

château-magmère.fr

ON VEUT SE LANCER !

Vous souhaitez acquiescer une ou plusieurs ruches ? L'activité d'apiculture ne s'improvise pas, vous allez travailler avec un animal vivant, et pour cela, il faut quelques connaissances.

Vous pouvez contacter le rucher école du Magnétisme à Goulon (50) pour vous inscrire à l'une de leurs formations.

Infos pratiques :

rucher-ecole-magnetisme.fr

4 CONSEILS POUR ATTIRER LES ABEILLES CHEZ SOI

- 1 Planter un jardin favorable aux pollinisateurs avec des fleurs ou des arbres mellifères et nectarifères : framboisiers, chèvrefeuilles, roses trémières, campanules, coquelicots, bluettes, lavandes... Il y a une grande variété de plantes adaptées.
- 2 Laisser des parties de votre jardin moins entretenues en profitant de jachères fleuries qui agenceront votre espace. Attention, toutes les jachères fleuries ne se valent pas notamment par l'implantation d'espèces exotiques. Privilégiez celles avec des essences locales.
- 3 Prévoir un point d'eau régulièrement approvisionné notamment en été, juste en laissant un bol, une coupelle que vous allez remplir le soir en arrosant vos légumes.
- 4 Héberger des abeilles pour l'hiver en créant un abri naturel. Vous trouverez de nombreuses fiches techniques d'hôtels à insectes sur internet. Il suffit parfois juste de laisser dans un coin de votre jardin, un tas de branches (pour les hérissons) et au dessus des branches creuses comme des tiges de rose trémières pour les abeilles et autres insectes.

Et manger du miel local !

Comme que le miel a de nombreux bienfaits, consommer du miel localement permet de soutenir les producteurs qui œuvrent à la protection de la biodiversité.

Où trouver du miel :

- sur les marchés du Maine
- Le marché de L'Éclair, le mercredi
- à Collas sur Belin, le jeudi
- à Brion-sur-Boutonne Saint-Yaumont et La Mothe Saint-Hary, le vendredi à Melle, le samedi à Chef-Boutonne et Lézay
- à la boutique Miel Mellois de l'Office de Tourisme - 2 place Bujault à Melle









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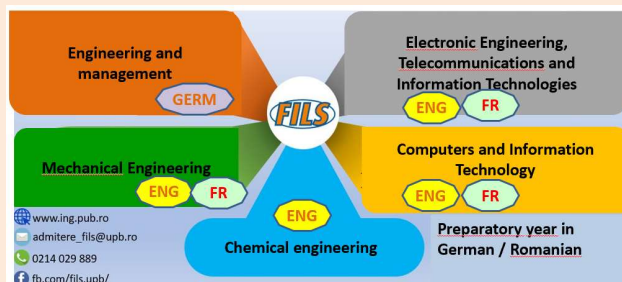


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BACHELOR STUDIES



Computers and Information Technology



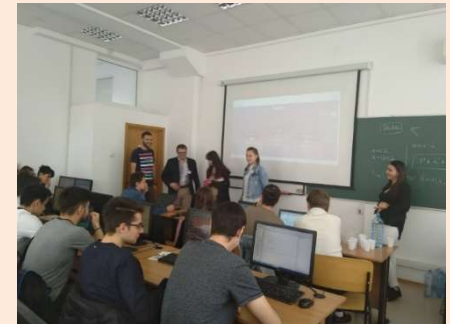
Computers and Information Technology

ENG

FR

KNOWLEDGE:

Professors from UPB and foreign universities (eg: University of Groningen, University Paul Sabatier Toulouse III, etc).



KNOW-HOWS:

- ❖ *general engineering skills (mathematics, physics, chemistry, etc.) and specific to the chosen field (programming languages -Java, object-oriented programming -Java advanced, data structures and algorithms - C, C ++, web programming - HTML, CSS, JavaScript, PHP, operating systems - Linux etc) – first 2 years common CIT and IETTI;*
- ❖ *specialization specific skills (Java Web, programming engineering, artificial intelligence, neural networks, machine learning, deep learning, human computer interfaces, Semantic Web, computer networks, Internet of Things, etc.) – years III and IV;*
- ❖ *transversal skills (project management, business administration, economics, communication in modern languages, etc.).*



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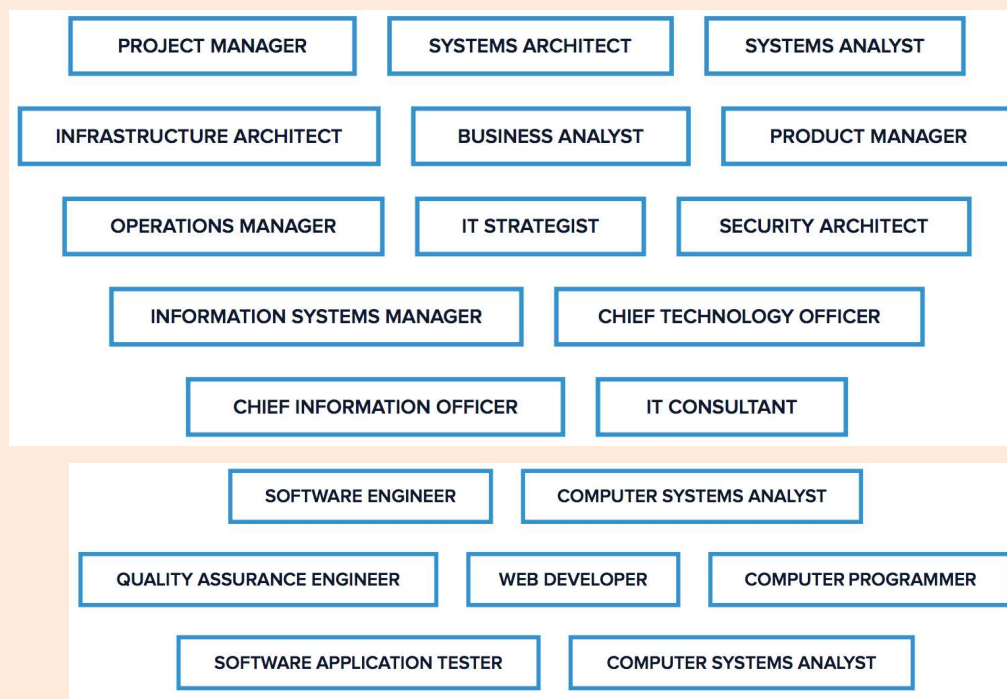
Computers and Information Technology

ENG

FR

JOB OPPORTUNITIES

- ✓ international corporations;
- ✓ own startup;
- ✓ research institutes, universities, schools.



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Computers and Information Technology

ENG

FR

***NEW ENTRY starting with 2021:
(FR)***





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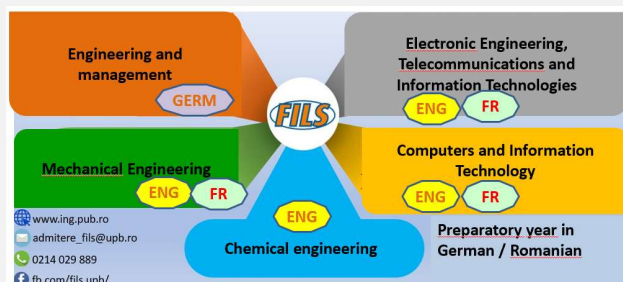


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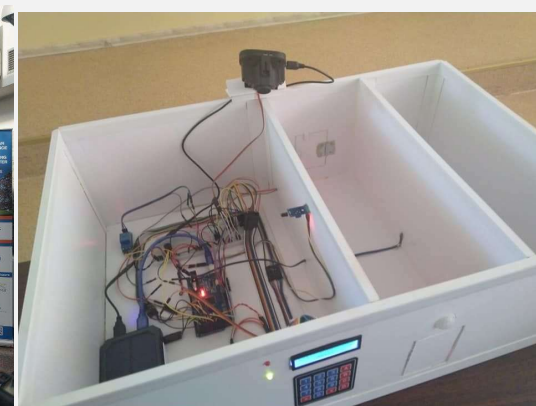
BACHELOR STUDIES



**Electronic Engineering,
Telecommunications and
Information Technologies**

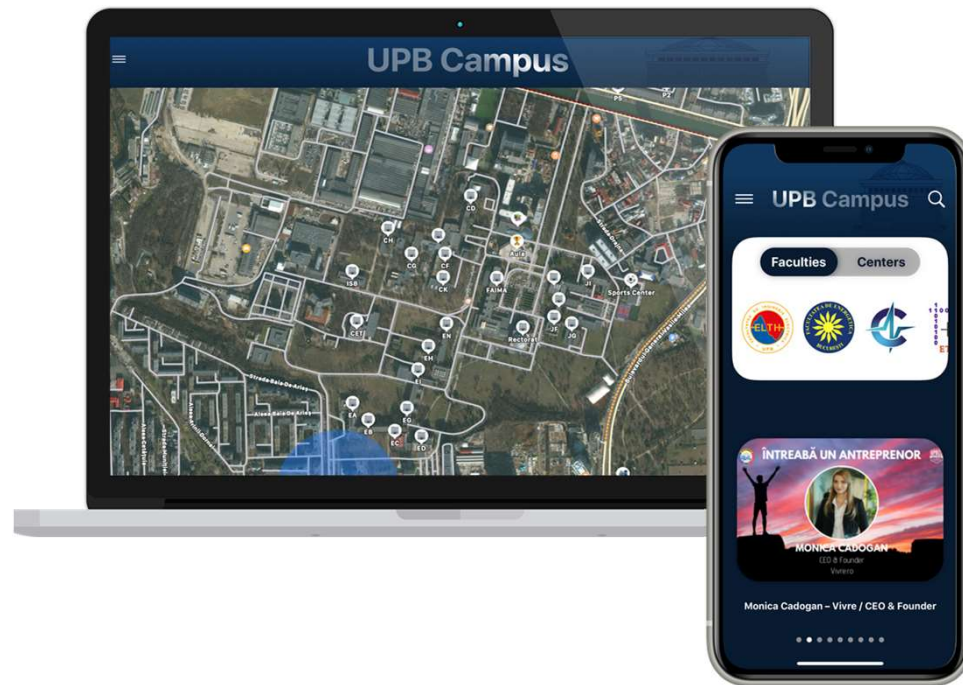
ENG

FR



UPB Campus

Android, iOS & macOS

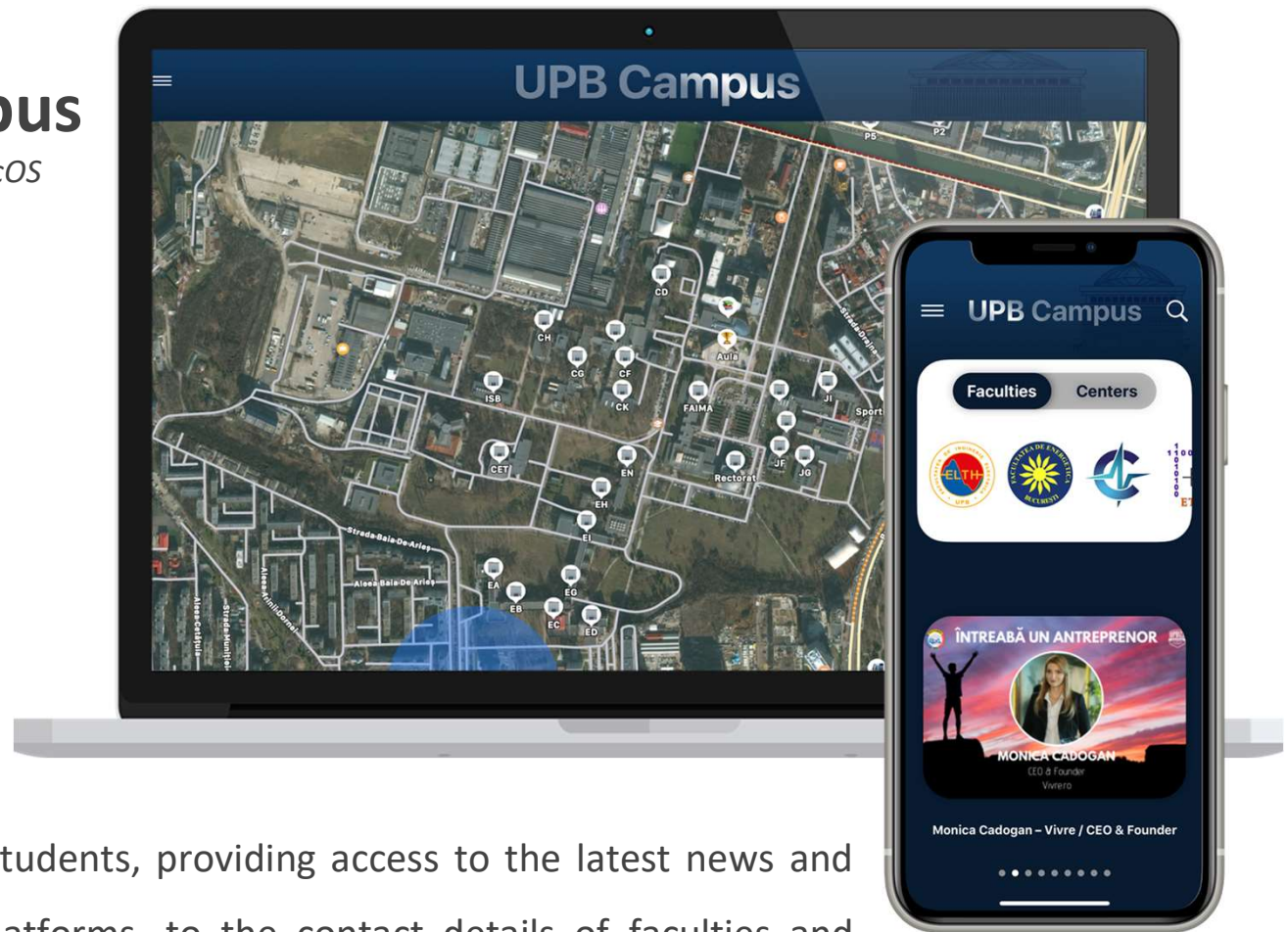


Flower App

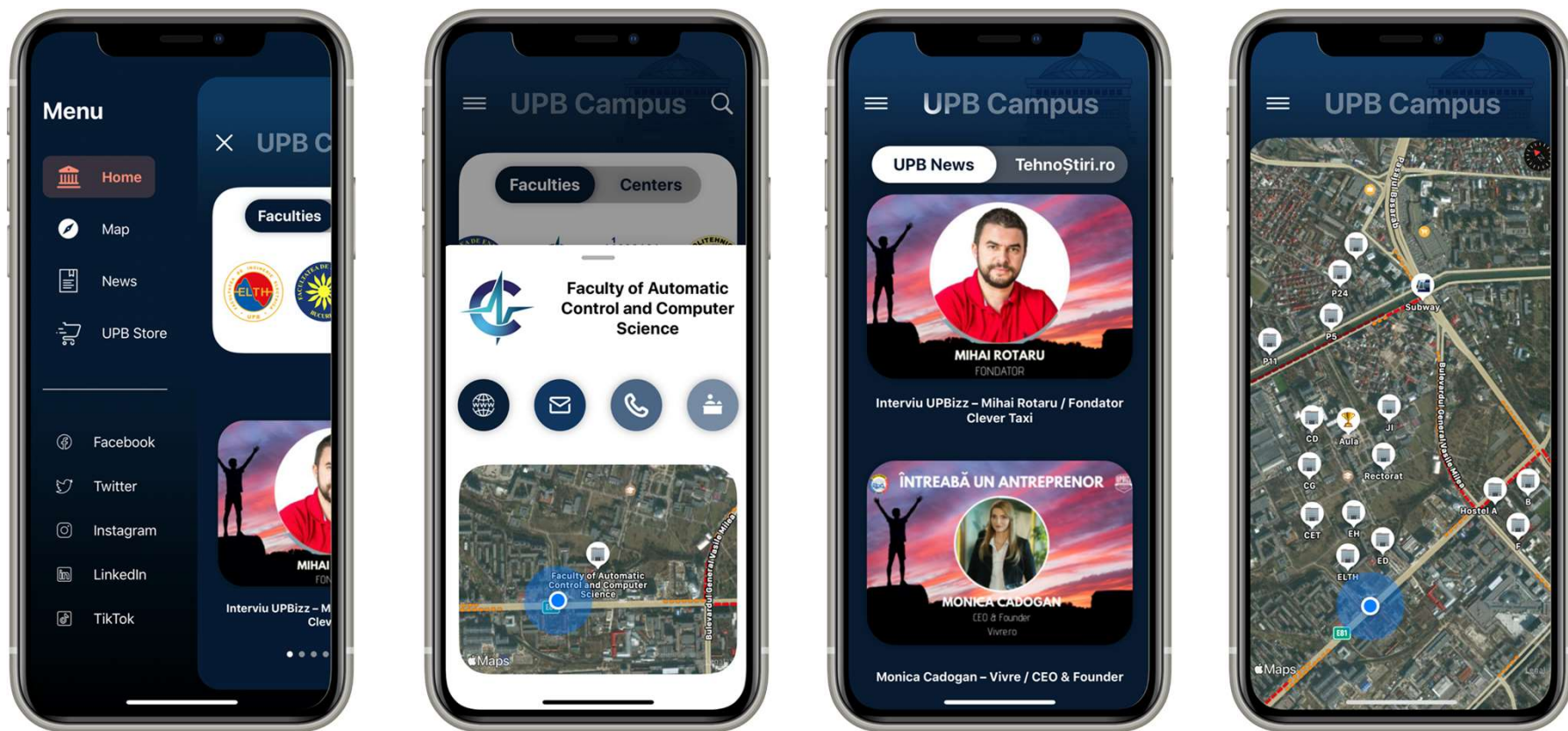
-iOS-

UPB Campus

Android, iOS & macOS



UPB Campus aims to help students, providing access to the latest news and events on the University platforms, to the contact details of faculties and centers, but also has an interactive map.



You can call the secretariat, send an email or access the faculty website directly from the application.

00:32


11:03

10:55

10:57

 UPB Campus

 UPB Campus

 UPB Campus

 UPB Campus

Faculties

Centers



1103400

Faculties

Centers



1103400

Faculties

Centers



1103400



Proiectul "măști biodegradabile" a câștigat marele premiu al WEDO

UPB dezvoltă noi proiecte inovative – Proiectul "Măști biodegradabile" a câștigat marele premiu al primei ediții WEDO România



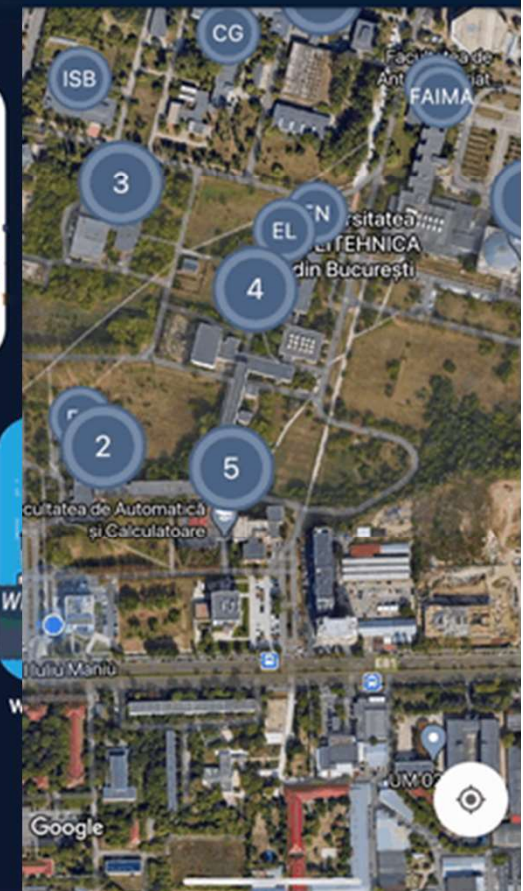
FII ANTREPRENOR 4.0
Hai la concursul „Fii Antreprenor 4.0” să câștigi alături de echipa ta!

Ai o idee de afacere? Hai la concursul „Fii Antreprenor 4.0” să câștigi alături de echipa ta!



FII ANTREPRENOR 4.0
Hai la concursul „Fii Antreprenor 4.0” să câștigi alături de echipa ta!

Ai o idee de afacere? Hai la concursul „Fii Antreprenor 4.0” să câștigi alături de echipa ta!



Flower App

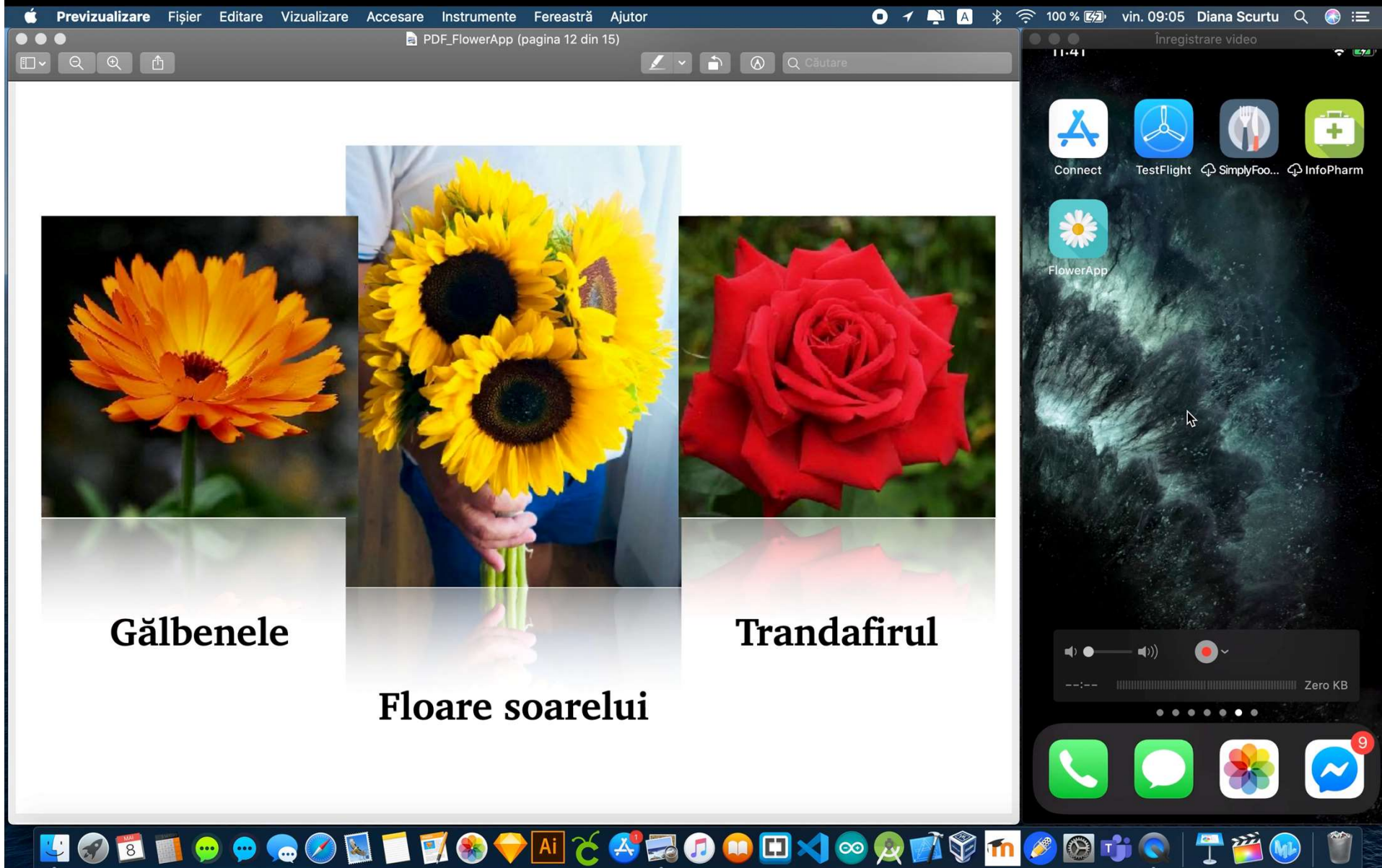
-iOS-



Starting from the idea of trying a new technology (**Core ML**), the **Flower App** is very useful when you want to find out more about the flowers around you.

Although, at the moment, the application recognizes only certain types of flowers, in the future I intend to develop it for a wider range.





Electronic Engineering,
Telecommunications and
Information Technologies

ENG

FR

KNOWLEDGE :

Professors from UPB and foreign universities.

KNOW-HOWS:

- ❖ *general engineering skills (mathematics, physics, chemistry, etc.) and specific to the chosen field (basics of circuit theory, electromagnetism, analysis and modeling of fields and circuits, etc.) – common CIT*
- ❖ *specialization specific competencies (electronic devices and circuits, analog integrated circuits, multiplexed transmission systems, digital circuits and microcontrollers, CAD techniques in the realization of electronic modules, IoT, etc.) – years III and IV; eg: <https://www.youtube.com/watch?v=RHRgxeBAHtQ> (Data Processing on a Raspberry Pi Cluster)*
- ❖ *transversal skills (project management, business administration, economics, communication in modern languages, etc.) .*





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JOB OPPORTUNITIES

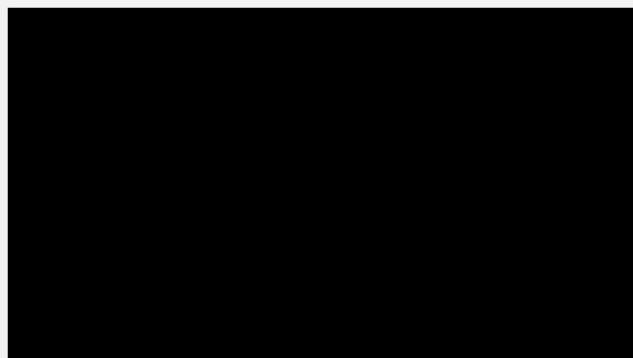
Industry → corporations

Research → institutes, universities

Education → teaching high-school, university

Services → technic, marketing, sells

The SpiMo project developed by students during faculty gave them the opportunity to hire at Oracle.



**Electronic Engineering,
Telecommunications and
Information Technologies**

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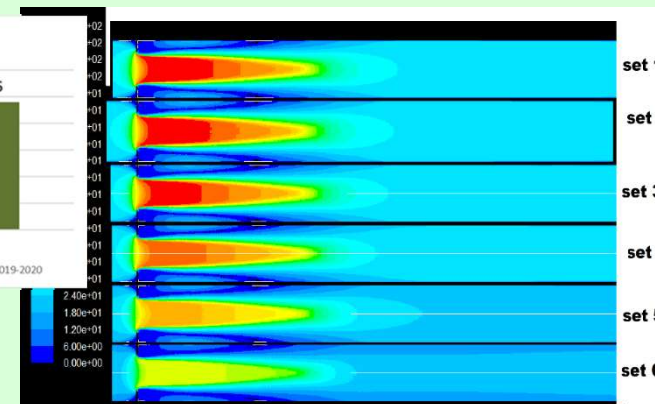
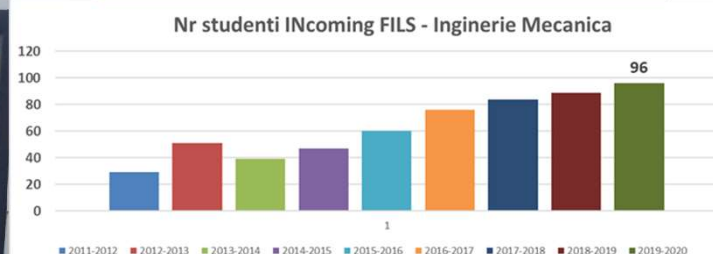
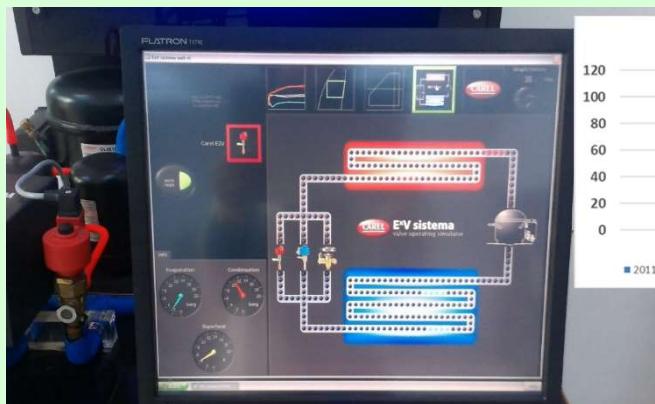
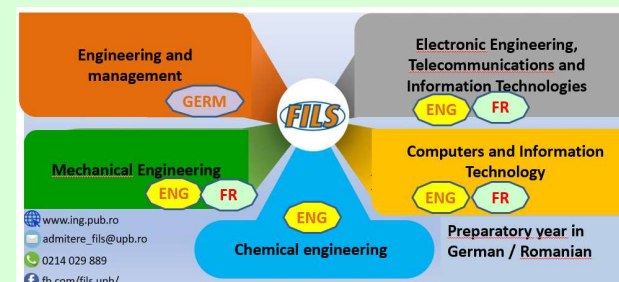
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BACHELOR STUDIES

Mechanical Engineering

ENG

FR





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Mechanical Engineering

ENG

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KNOWLEDGE :

Professors from UPB and foreign universities.

KNOW-HOWS:

- ❖ *general engineering skills (mathematics, physics, chemistry, etc.) and specific to the chosen field (mechanics, mechanical engineering, CATIA, MATLAB, strength of materials, etc.)*
- ❖ *specialization specific competencies (heat transfer, heat engines, turbines, refrigeration and air conditioning systems, tribology, software tools in mechanical engineering, fluid power systems, etc.)*
- ❖ *transversal skills (environmental engineering, business administration, economics, communication in modern languages, etc.) .*

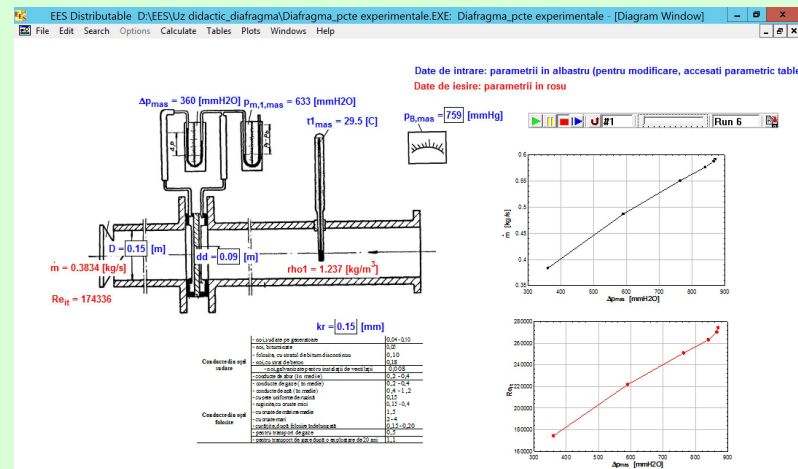
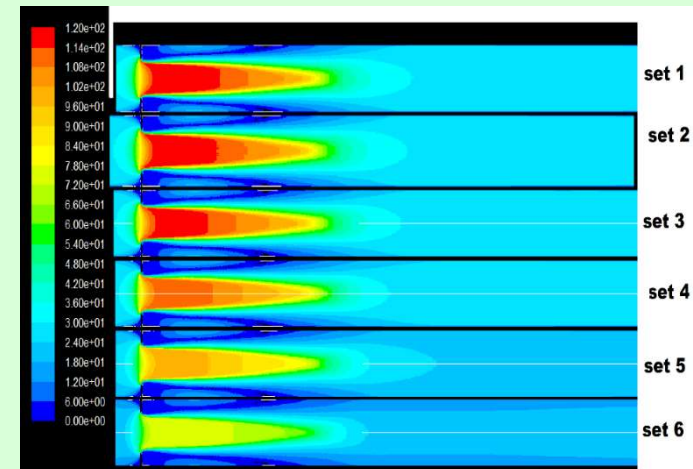


Numerical simulation learning:
CATIA, MATLAB, Engineering Equation Solver,
ANSYS student,
TRNSYS (energy simulations in buildings),
AVL-BOOST (internal heat engines), etc.

Mechanical Engineering

ENG

FR



JOB OPPORTUNITIES

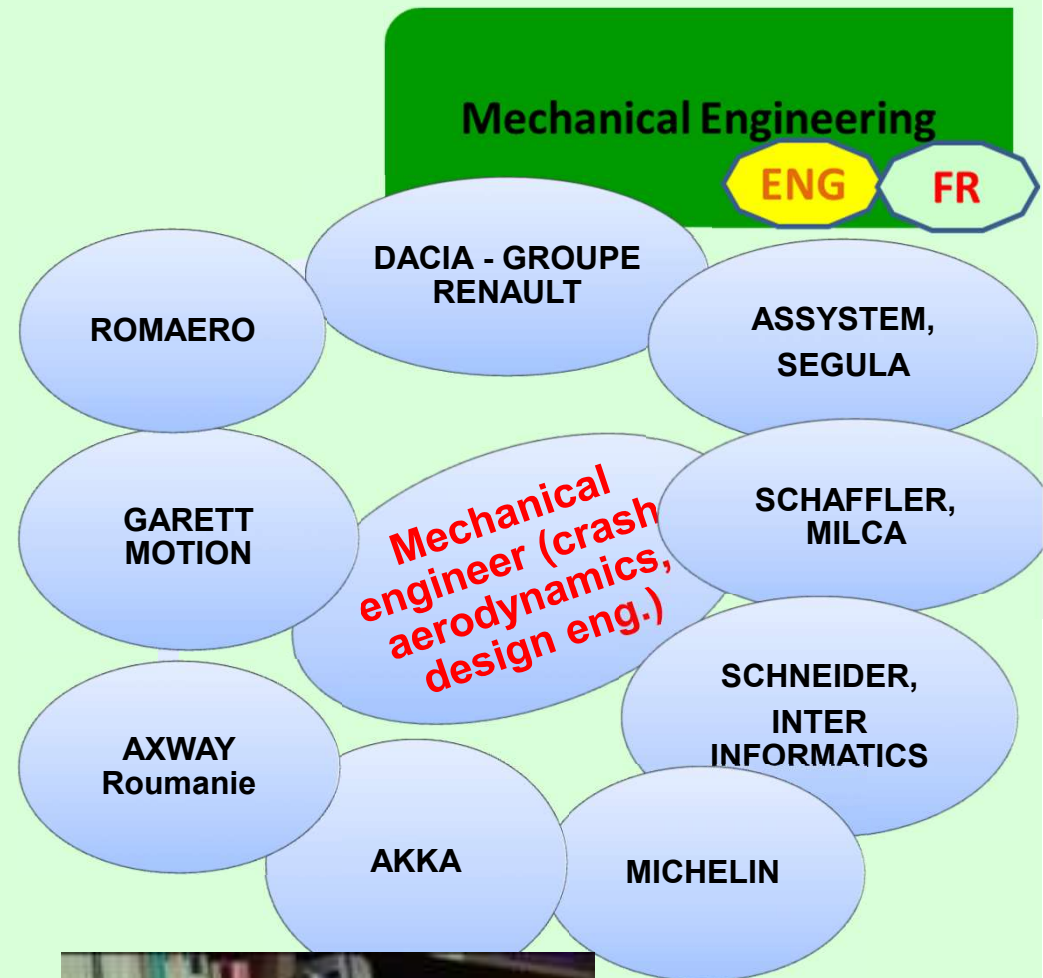
Industry → corporations

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Discovery effect – Alexandru Jderu
(Mechanical Engineering FILS (2012))



<https://www.youtube.com/watch?v=ARLq6M3c2UM>



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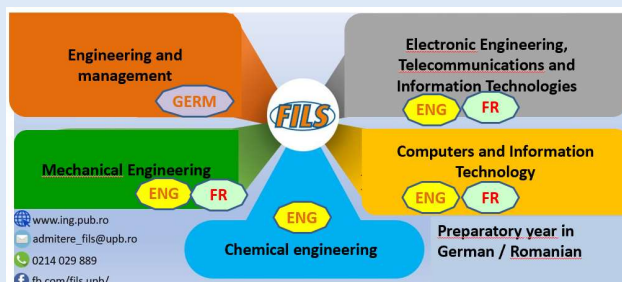


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BACHELOR STUDIES



ENG

Chemical engineering



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Chemical engineering

THEORETICAL KNOWLEDGE:

The ChEng curriculum is ensured by the Faculty of Applied Chemistry and Materials Science, so that to give students the **basic knowledge in Chemistry and Engineering**.

The studied subjects are grouped in **three main directions**:

❖ **basic knowledge in Chemistry:** *Inorganic/Organic Chemistry, Analytical Chemistry, Physical Chemistry*

❖ **general knowledge in Chemical Engineering:** *Organic and Composite Materials, Macromolecular Compounds, Instrumental Analysis in Organic Chemistry*

❖ **courses in specific areas of Chemical Engineering** (IIIrd & IVth years):

A. POLYMER SCIENCE*: *Biopolymers and Biocomposites, Polymer Processing, Polymer Recycling*

B. ORGANIC CHEMISTRY*: *Natural products, Petrochemical and Carbochemical Technologies, Tensioactive Compounds*

**Qualities A and B are alternating every other year*

More details on: <http://ing.pub.ro/en/education/licence/>



Faculty of Applied Chemistry and Materials Science
145 years of education and science!





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<http://ing.pub.ro/>

ENG

Chemical engineering

EMPLOYMENT POSSIBILITIES:

In all areas of ***chemistry and chemical engineering***, such as:

Industry → big companies / small enterprises

Research → (intern)national institutes

Education → undergraduate or university teaching

Services → marketing and selling



**petrochemistry
industry**



organic chemistry



plastics industry



polymer recycling



smart biomaterials



rubber industry



environmental protection



cosmetics



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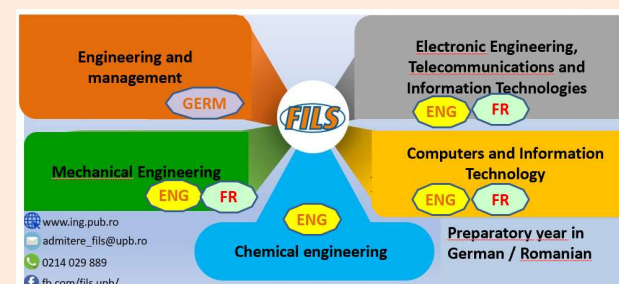


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BACHELOR STUDIES

Engineering and
management

GERM



General subjects

- German culture
- Maths, Physics
- Project management
- Data bases
- Business management



Technical subjects

- CAD
- Mechanics
- Electrotechnics
- Strength of materials
- Webdesign



Economic subjects

- Entrepreneurship
- Marketing
- Micro and macroeconomics
- Statistics



Law related subjects

- Commercial Law
- Industrial property
- Labor etc



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MASTER STUDIES

ENGLISH

- Business Administration and Engineering
- Software Engineering ,
Double diploma with University of Groningen
- Energy Engineering,
in cooperation with T. U. Darmstadt
- Biomaterials for Tissue Engineering

FRENCH

- Management, innovation et technologies des systèmes collaboratifs
- Ingénierie des systèmes industriels
Double diploma with INP TOULOUSE
- Technologies de la traduction automatique
- Ingénierie des systèmes intégrés avancés

GERMAN

- Geschäfts- und Industrieverwaltung
- Nachhaltige Geschäftsexzellenz und Leadership in der Industrie

More details:

<http://ing.pub.ro/en/education/master/>



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MASTER STUDIES

Master of Business Administration and Engineering Program

- Strengthening the capacity of efficient use of ICT (Information and Communication Technology) integrated in environments complex software for functional, organizational, informational, economic and optimal resource allocation.
- Development of the economics, organizational and social competences and management skills to be applied in the working activities.
- Development of psychosocial skills (communication, negotiation) integrated in the management of complex projects.
- Develop the entrepreneurial perspective and the required skills.



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MASTER STUDIES

Master of Business Administration and Engineering Program

Subjects from Engineering and Economics

Sem.1	Sem. 2	Sem. 3	Sem. 4
Industrial Marketing	Strategic Management	Technology Entrepreneurship	Etics
Financial Management	Numerical Methods for Economic Systems	Project Management	
Management of Information Systems	Data and Signal Processing for Business	Prediction of System Evolution	
Event Driven Dynamic Systems	Business Cultural Models and Diversity Management	Modeling of Complex Systems	
International Trade and Transactions			
Scientific Research 1	Scientific Research 2	Scientific Research 3	Dissertation



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<http://ing.pub.ro/>

Laboratories

<http://turvirtual.upb.ro/>

FACULTATEA DE INGINERIE IN LIMBI STRAINE

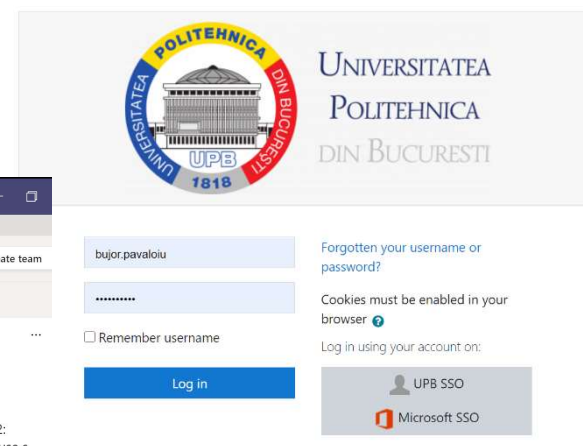
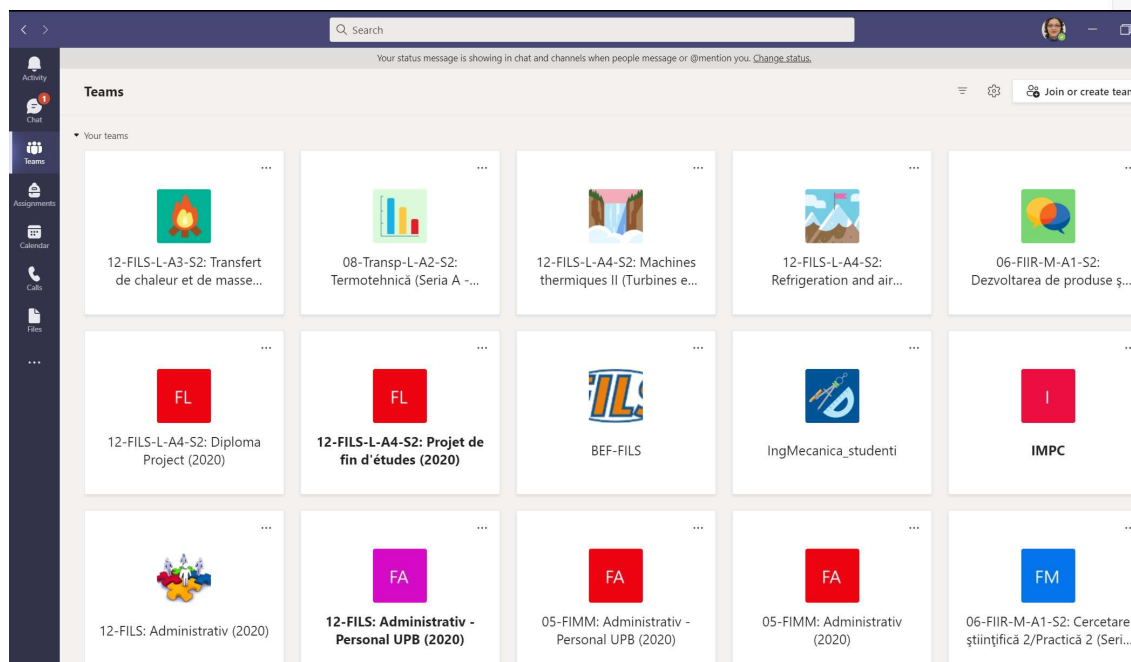
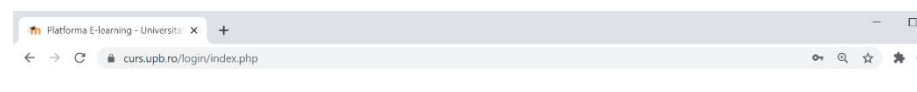
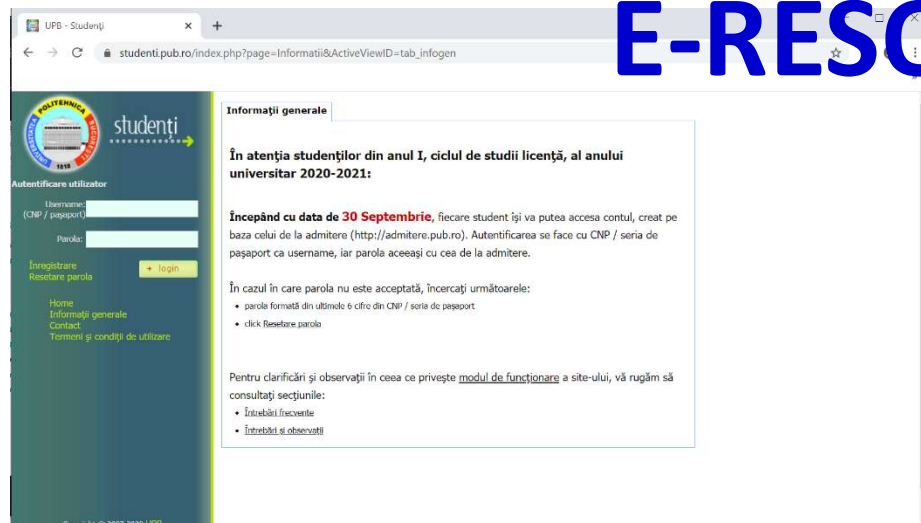


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E-RESOURCES



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HR EXCELLENCE IN RESEARCH

Double Degree EELISA Alliance

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APPLYING

Students from EU countries

Students from non-EU countries

Romanian language study program

International student transfer policy

Romanians from everywhere

Refugees and beneficiaries of political Asylum

SCHOLARSHIP PROGRAMS

Eugen Ionescu Doctoral and Postdoctoral Scholarships

European Project Semester

Fulbright

National Agency for Credits and Scholarships in Romania

UPB Scholarship Programme

Petrache Poenaru Doctoral Scholarships

PRACTICAL INFORMATION

Romanian Visa for students

https://international.upb.ro/#



<http://ing.pub.ro/>

GOOD LUCK!



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<https://www.youtube.com/channel/UCUY6LTJ7ebi1RxdNZI7gndA/videos>

http://www.youtube.com/watch?v=SUD-FCm3ZRo&feature=player_embedded
<https://www.youtube.com/watch?v=ARLq6M3c2UM>

SEE YOU IN CLASS!