



POLITÉCNICA
"Engineering the future"

INTERNATIONAL
CAMPUS OF
EXCELLENCE



Welcome!!!

School of Computer Science



<http://www.etsiinf.upm.es/>



[@informaticaupm](https://twitter.com/informaticaupm)



<http://www.facebook.com/ETSIINF>



[https://www.linkedin.com/company
/ets-de-ingenieros-informáticos](https://www.linkedin.com/company/ets-de-ingenieros-informáticos)





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DE EXCELENCIA
INTERNACIONAL

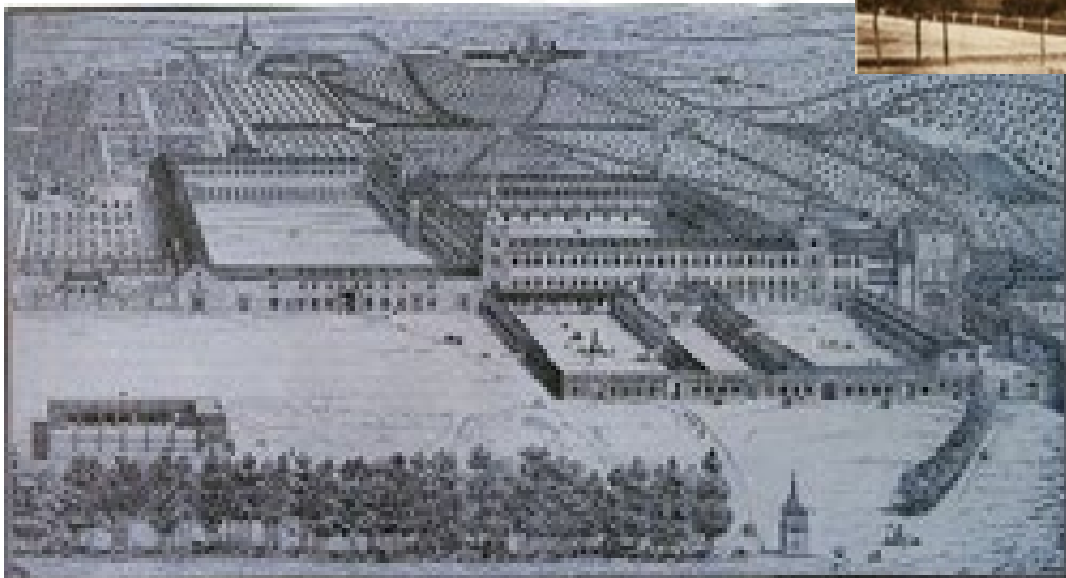
POLITÉCNICA

"Ingeniamos el futuro"

Universidad Politécnica de Madrid: History

Founded in 1971

✓ Some schools up to 1739





Universidad Politécnica de Madrid

- First Technical University in Spain
 - Civil, Industrial, Architecture, Aeronautical, Forestry, Agriculture, Mining, Naval, Telecom, Computer Science...
 - 30 engineering degrees



Students

Undergraduate	35.000
Graduate	6.500
Total	41.500

Staff

Faculty members	3.000+
Admin & support	2.200+
Total	5.200+

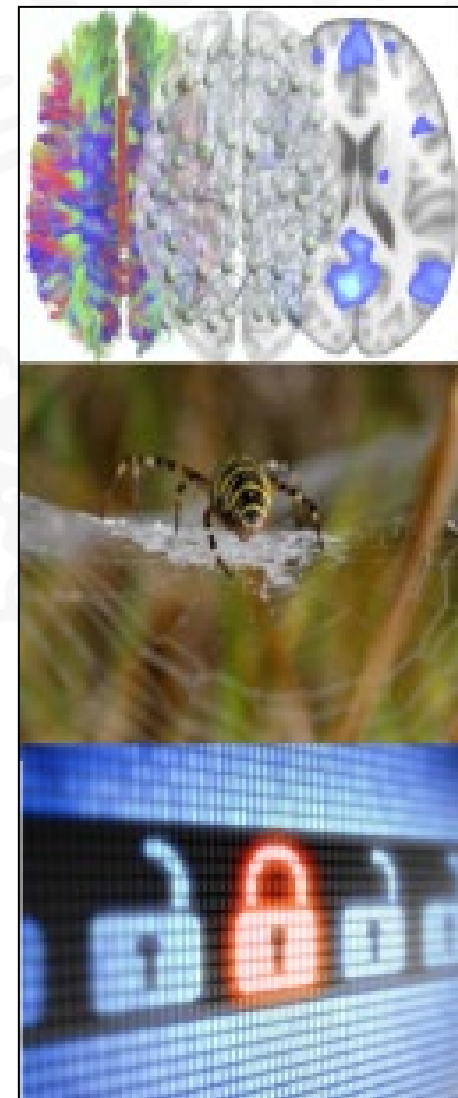
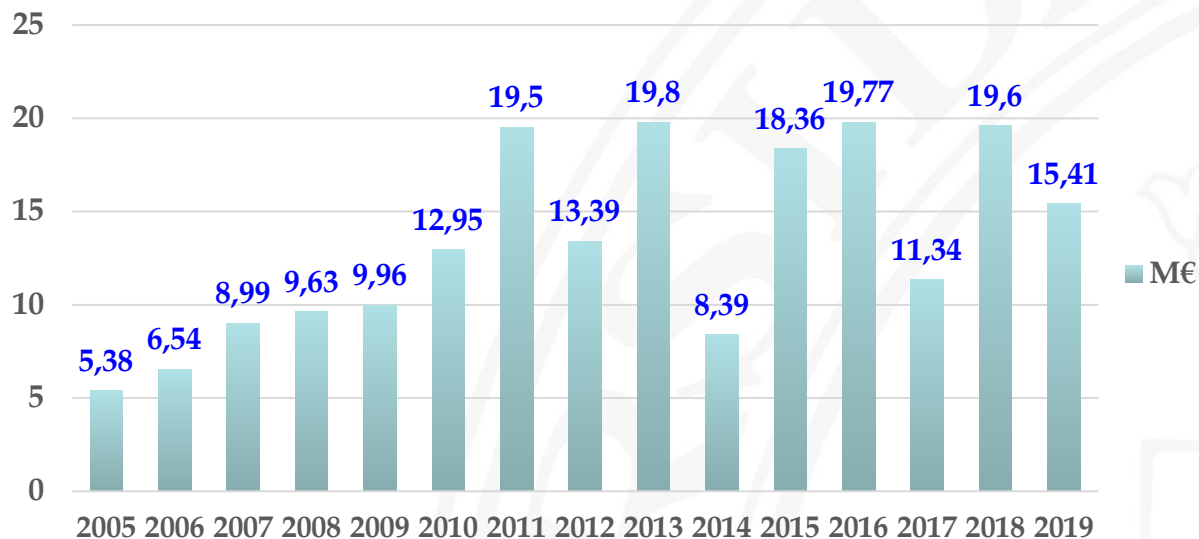


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UPM Participation in European Projects



*Ranked 2nd Spanish Organisation and
1st Spanish University in approved projects
and funding granted in EU funding*



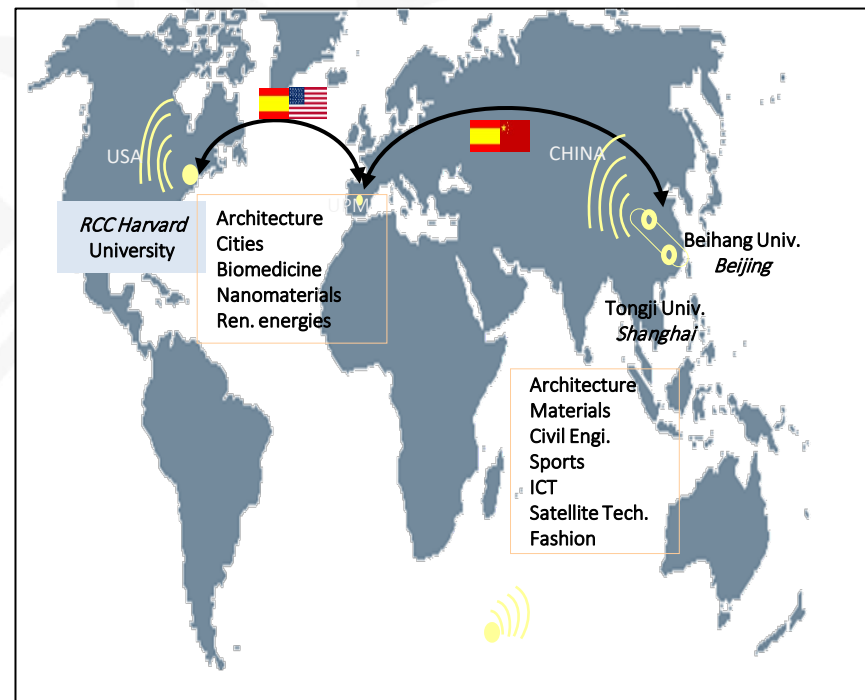
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UPM International Permanent Delegations

- Harvard University (USA)
- Tongji University (China)
 - ✓ Sino-Spanish Campus



中西
學院
SINO-SPANISH CAMPUS | CAMPUS SINO-HISPÁNICO





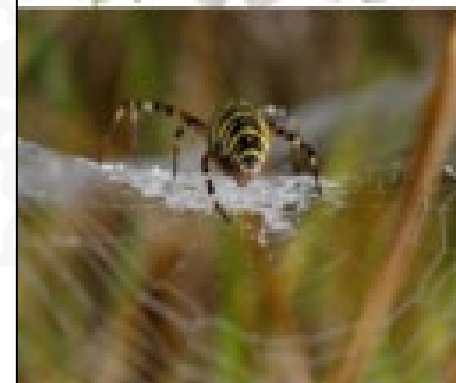
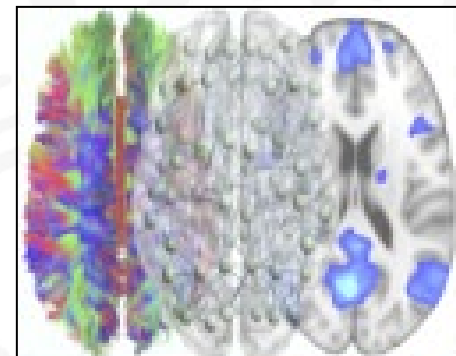
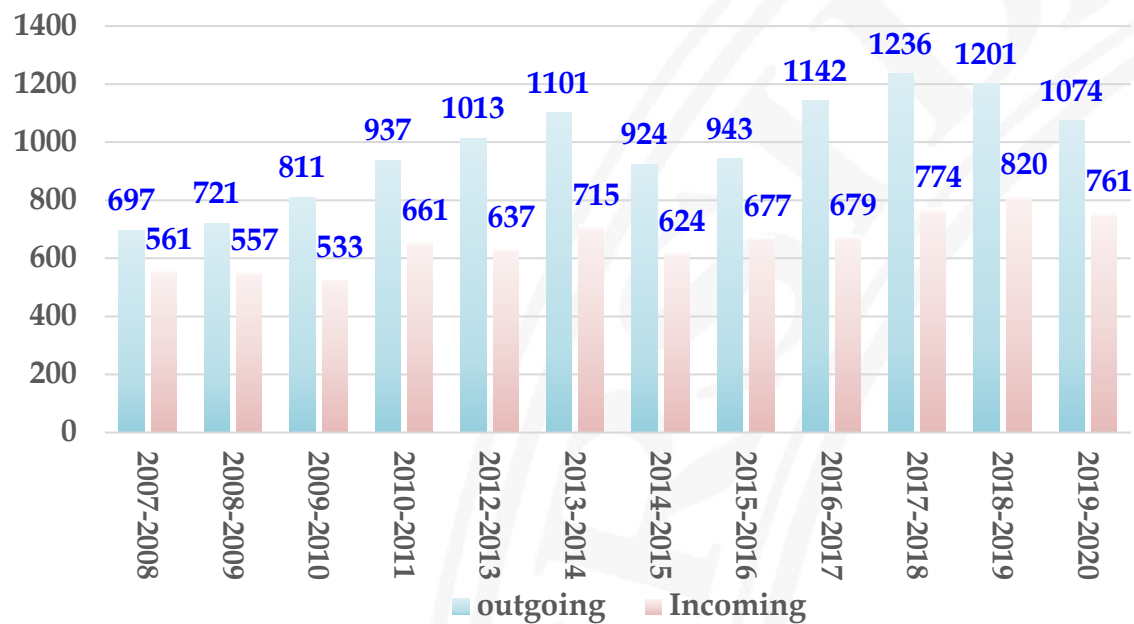
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UPM ERASMUS+ MOBILITY

ERASMUS+





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Computer Science School



#1 in Spain and among Spanish-speaking countries (Computer Science & Information Systems subject)

STUDENTS	2.637
RESEARCH GROUPS	17
ADMINISTRATIVE & SUPPORT STAFF	60
FACULTY MEMBERS	186



1977/2017

**ETS DE
INGENIEROS
INFORMÁTICOS**
UNIVERSIDAD POLITÉCNICA
DE MADRID

The oldest Computer Science School in Spain
Academic excellence



Research groups ranking high at world level

The 10 most cited faculty members add up to 70,000 citations



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UPM Computer Science Museum

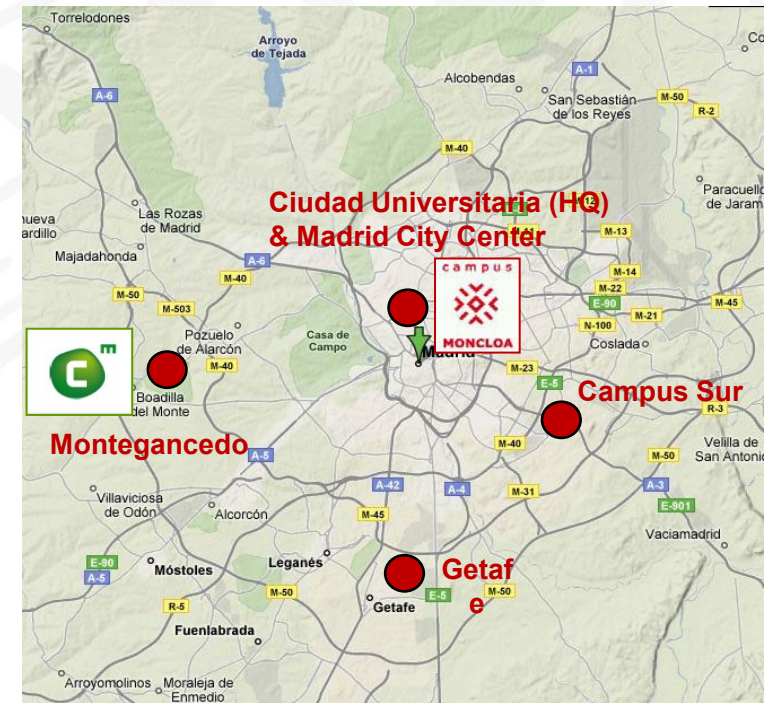
- Technology History for New Generations
- <https://mhi.ws.fi.upm.es/en>





UPM Montegancedo Campus

- **International Excellence Campus** focused on IT
- Dedicated to **User-driven Open Innovation** with emphasis in ICT & Technology Transfer
 - ✓ I&E Center (CAIT UPM)
- **Computer Science School**



UPM Montegancedo Campus

• Public transport access

Bus lines

- **591:** Madrid (Aluche) - Boadilla (ETSI Informáticos)
- **571:** Madrid (Campamento) - Boadilla (Lomas-Bonanza)
- **573:** Madrid (Moncloa) - Boadilla (Urbanizaciones)
- **566:** Boadilla (Ronda) - Pozuelo (C. Francia)
- **865:** Madrid (Ciudad Universitaria) - Campus de Montegancedo
- **Shuttle line ("lanzadera")** Montegancedo – El Barrial - Moncloa

Light metro (tramway)

- **3:** Colonia Jardín - Puerta de Boadilla





UPM Montegancedo Campus

FACILITIES

- Library
- International Office and Postgraduate Centre
- Computer centre
- Students secretary
- Student's representatives
- Classrooms

✓See your timetables



6202

Building

Floor

Room no.



UPM Montegancedo Campus

- Data Center

E-mail account:

- nnn.nnn@alumnos.upm.es
- *Assigned as part of the enrolment process*
- Official means of communication!

Gives access to:

- Computing classrooms
- WiFi access: eduroam (<https://cat.eduroam.org/>)
- Moodle: <http://moodle.upm.es>
- Politécnica virtual: www.upm.es/politecnica_virtual/



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UPM Montegancedo Campus

- More information at etsiinf.upm.es



Escuela Técnica Superior de
Ingenieros Informáticos | antes
Facultad de Informática
Universidad Politécnica de Madrid



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Futuro Alumno | Personal | Alumno

COVID-19 | mapa web | webmaster | english



buscar



Contenidos

Noticias

Estructura Organizativa

Dirección
Departamentos
Administración y Servicios
Delegación de alumnos
Sistema de calidad
Espacio de igualdad

Estudios

Grado en Ingeniería Informática
Grado en Matemáticas e Informática
Grado en Ciencia de
Datos e Inteligencia Artificial
Doble Grado en Ing. Informática y ADE
Programa de Ingeniero/a en
Informática (Grado + Máster)
Máster Universitario Ing. Informática
Másteres oficiales
Doctorado
Títulos propios
Movilidad académica

La revista Retro Gamer publica un artículo sobre el Museo Histórico de la Informática

retro
GAMER

El profesor de la ETSIINF, Manuel Hermenegildo, ha sido nombrado "ACM Fellow"



El Director de la ETSIINF, Javier Soriano, realiza el discurso de la ceremonia de premios de las Olimpiadas Científicas de 2022

La disciplina de Informática ha participado por vez primera en esta edición



La UPM reconoce los logros en materia de calidad a la ETSIINF



FUTURO ALUMNO

ELIGE TU
PASI

LA INFORMÁTICA ES MÁS



Grado en Ciencia de Datos
e Inteligencia Artificial

¡NUEVO GRADO!



Grado en Ingeniería Informática



UPM CS Academic Programmes

BSc (4 years)

- **Computer Science**
- **Mathematics** and Computer Science
- Double Degree in **Business Administration** and Computer Science (5 years)
- **Data Science** and **Artificial Intelligence**

• MSc (Professional - 2 years)

-  – **Computer Science** 2007
-  – European Master on **Software Engineering** 2007
-  – **Digital Innovation** 2013

• Double degrees EIT Digital

- Data Science
- Human- Computer Interaction and Design
- Fintech

• Health and Medical Data Analytics



• MSc (Research - 1 year)

-  – **Artificial Intelligence** 1986
-  – **Software and Systems** 2007
-  – **Data Science** 2019

• PhD (3-5 years) 1986

- **Software, Systems and Computing**
- **Artificial Intelligence**

 Partly taught in Spanish

 Fully taught in English



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UPM Computer Science Numbers



CS Students 2023-24

BACHELOR	1980
MS STUDENTS	412
PhD	123
TOTAL	2.515



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TUM

TECHNISCHE
UNIVERSITÄT
MÜNCHEN



Trinity
College
Dublin

The University of Dublin



SORBONNE
UNIVERSITÉ

UNIVERSITY OF
COPENHAGEN



École des Ponts

ParisTech



POLITECNICO
DI TORINO

Imperial College
London

TU/e

EINDHOVEN
UNIVERSITY OF
TECHNOLOGY



UPPSALA
UNIVERSITET

Internationalization

- **127** Associated **partners** from Erasmus program:
 - ✓ 268 positions per year
- 16 Universities with **Double Degree**
- **23** New agreements in 2022/23
- Participation in **international networks**
 - Informatics Europe
 - Red Marie-Curie European Training Network BigStorage
 - CERN
 - EIT Digital
 - EIT Health
- EELISA



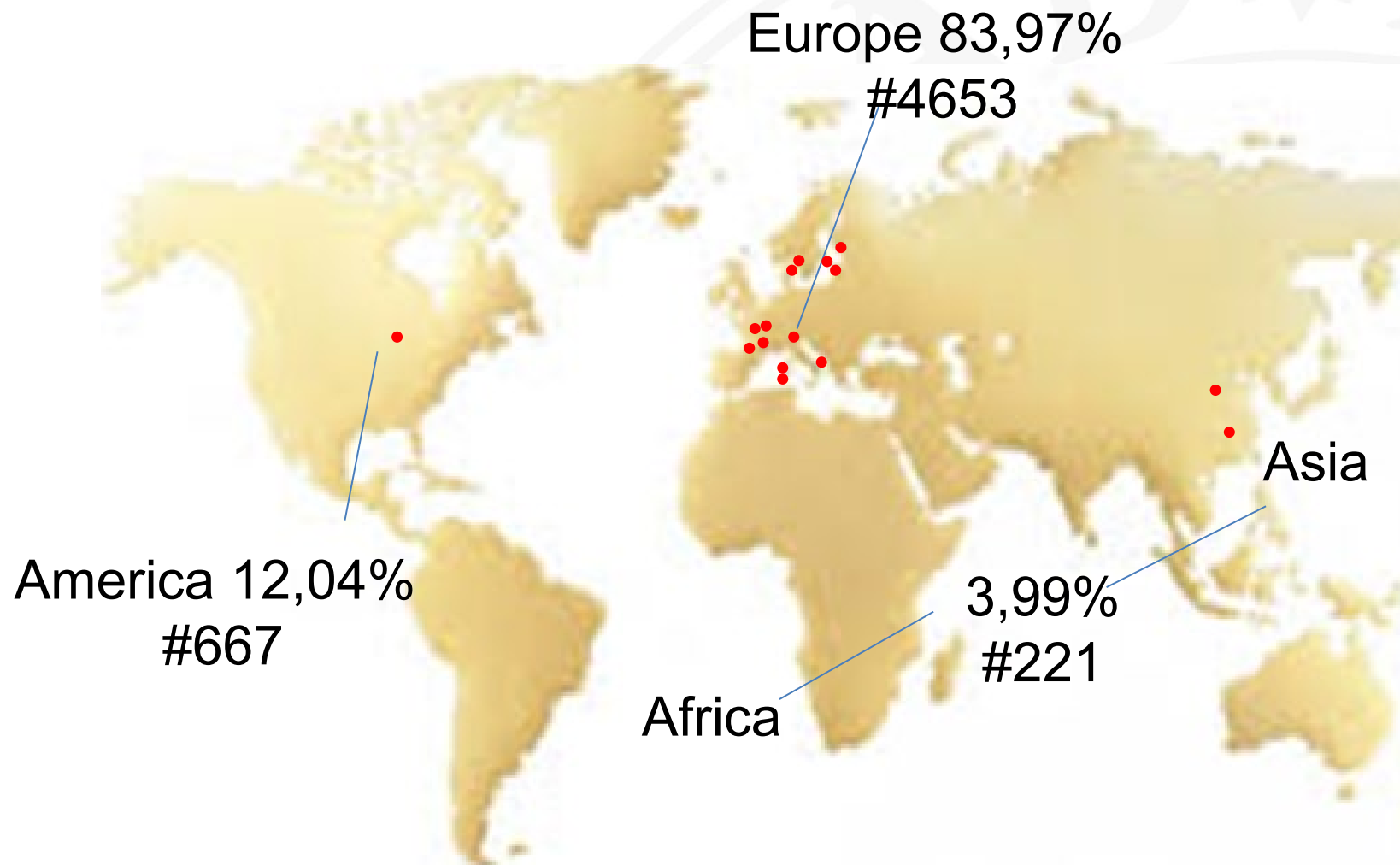


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International Students (outgoing)



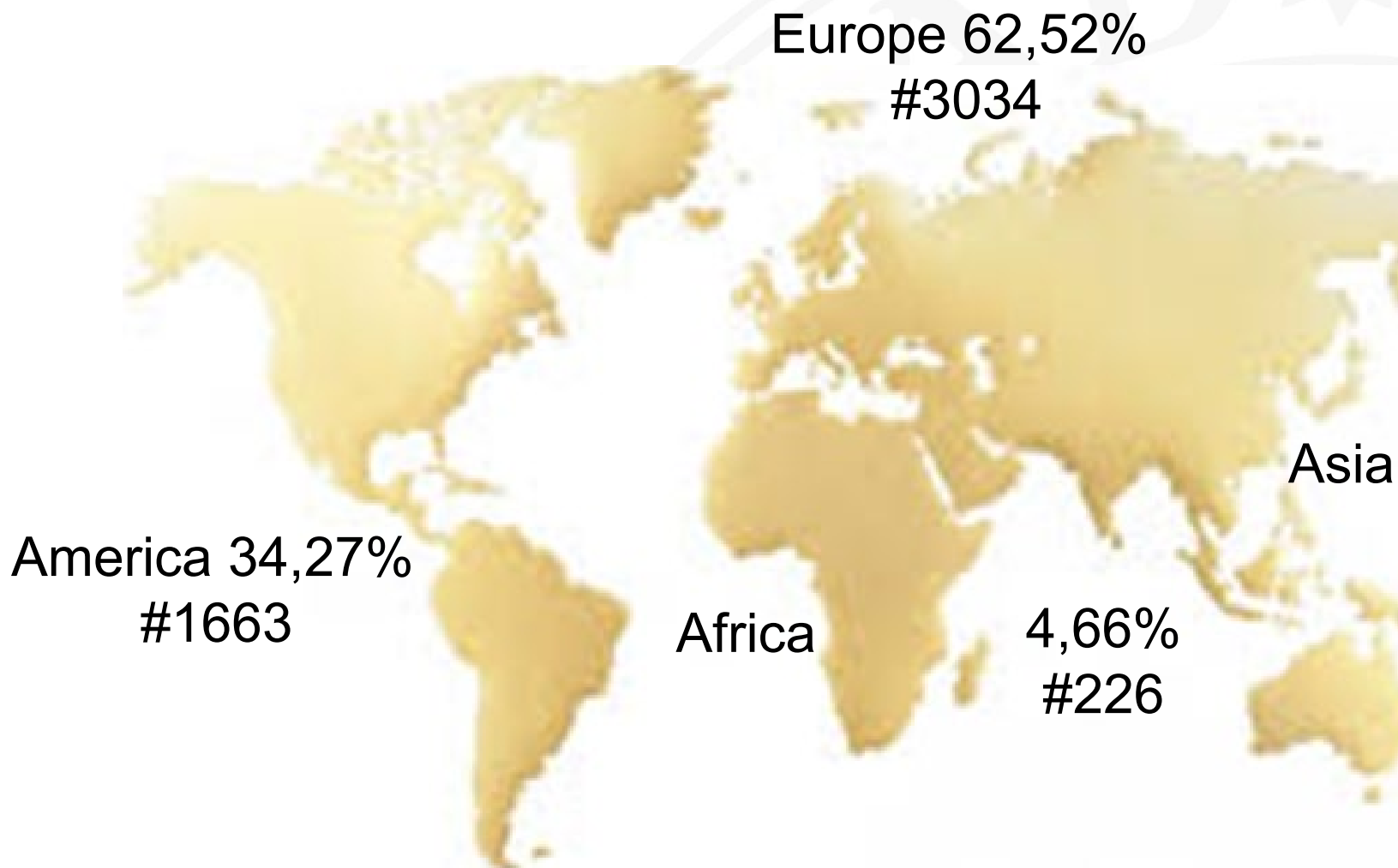


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International Students (incoming)



Double Degree Programs

Country	University		Program
USA	Illinois Institute of Technology (IIT)		CS, SE
China	Beihang Univ (BUAA)		SE
China	Tongji University		SE
European Union	EIT Digital Master Pr.in Data Science Human-Computer Interaction & Design - KTH, TU Berlin, TU Eindhoven, Politecnico di Milano, ...		CS

- CS: Masters program in Computer Science
- SE: European Masters program in Software Engineering



New Double Degree



Country	University	Program
Japan	Doshisha	CS, SE
US	Georgia Tech	CS, SE

- CS: Masters program in Computer Science
- SE: European Masters program in Software Engineering



Main Industrial Partners





UPM Business Center

[HOME](#) [THE CENTER](#) [SPACES](#) [COMPANIES](#) [CONTACT](#) [REGULATIONS](#) [USEFUL LINKS](#) [NOTICE BOARD](#) [GALLERY](#)

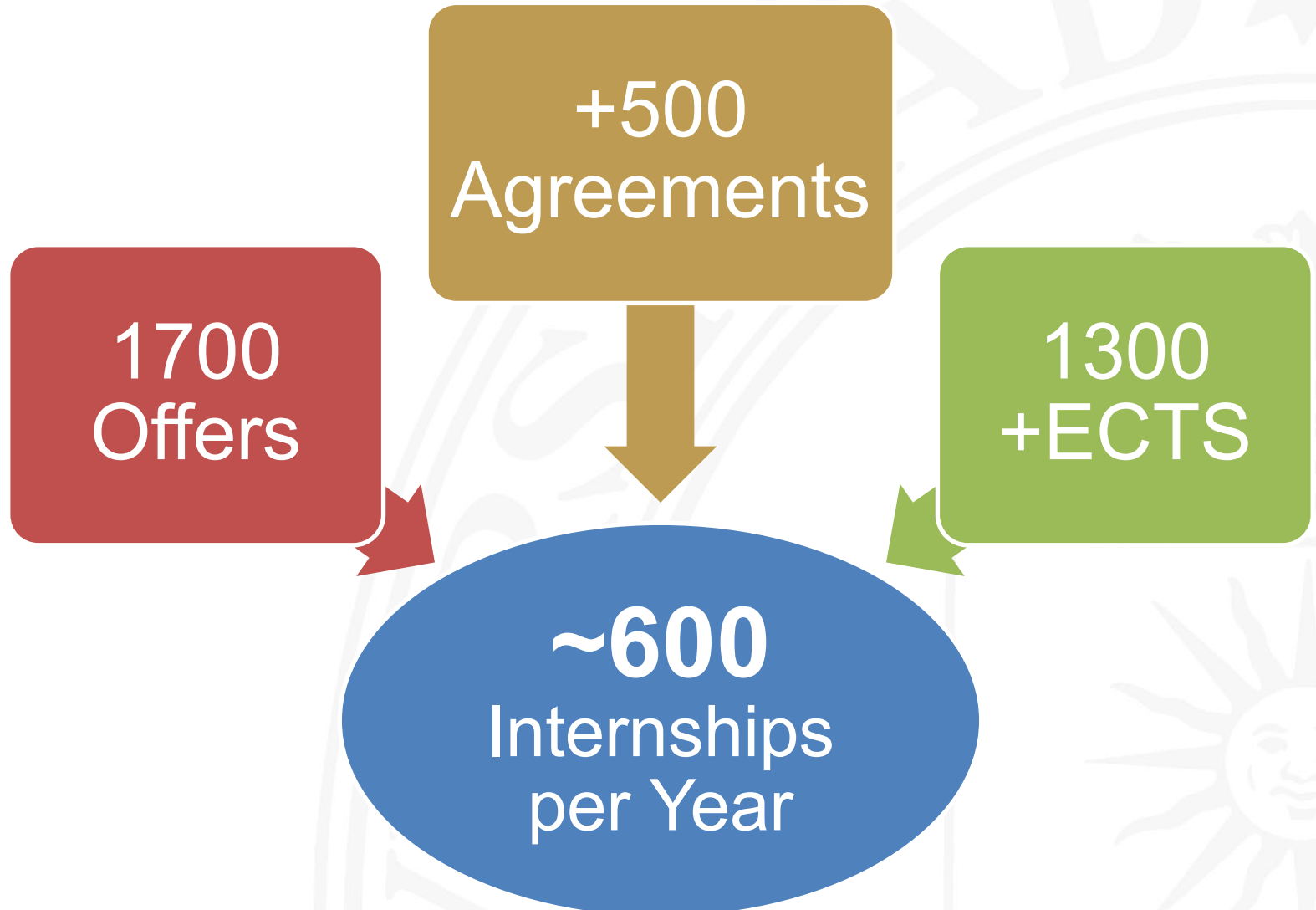
Business Center

The Business Centre at the UPM's Science and Technology Park is the result of the initiative and innovative and investigative spirit of our university community.

[SEE MORE](#) ➔



ETSINF internships





A Selection of Research Structures

- **Ontology Engineering Group**
- **Computational Intelligence Group**
- **Distributed Systems Lab**
- **Biomedical Informatics Group**
- **Data Mining and Simulation Group**
- **Artificial Intelligence Lab**
- **Computer Vision and Aerial Robotics Lab**
- **Natural Computing Group**
- **Empirical Software Engineering Research Group**
- **Madrid Human-Computer Interaction Lab**
- **Research Center for Computational Simulation**
- **AI.Nnovation Space** (Technology Center for AI Innovation with Accenture)
- ...

*Intensive
collaboration among
Research Groups
and Students*

*Excellence of Higher
Education in
Computer Science*



Most relevant researchers



**Asunción
Gomez-Pérez**

h-index: 66

- Fellow – European Academy of Sciences
- Member of the Council of Wise Persons for Big Data - Spanish Government
- SCIE National Prize for Computer Science 2015
- Letter “q” at the “Real Academia de la Lengua Española”



**Manuel
Hermenegildo**

h-index: 58

- **National Prize for Computer Science 2005**
- **National Research Prize in Mathematics & ICT 2006**
- **President of the INRIA Scientific Council (France)**



**Pedro
Larrañaga**

H-index: 63

- Fellow – Academia Europaea
- AEPIA Prize 2018 - National AI Association
- SCIE National Prize for Computer Science 2013



**Natalia
Juristo**

H-index: 47

- **Top 10 of world most active experienced researchers in software engineering top-quality journals**
- **Honoris Causa Doctorate - Blekinge Institute of Technology (Sweden)**



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AI.nnovation Space. Origins

AI Department at UPM

1976 Founded
39 Faculty
80+ Members
12 Research groups



AIR4S support the Sustainable Development Goals



UPM Research Center in AI

2017 Founded
29 Faculty
48 Members
11 Research groups

Competitive Calls (last 10 years)

47 FP7 and H2020 projects (16.880.307,83€)
62 National projects (2.732.877,00€)
324 Research Contracts (6.935.254,00€)

Dissemination

+720 articles published in ISI JCR journals
H-index: 4 of UPM top 10 are DIA members

Joint AI Research Centers in China:
UPM-Tongji University
UPM-Beihang University



International and External Relations (OREX)

3335

**Vice Dean
International Affairs**
Prof. David Pérez
del Rey

Secretary
María Navarro

**Coordinator Mobility
Computer Science**
Prof. Sergio Paraíso
Medina

**Coordinator
Mobility Business**
Prof. Raúl G.
Sanchís

3104

External Relations Office (OREX)

Oscar Valle

Alicia Piris
Head OREX

María Fernández

Agustín Rodríguez

**International
Mobility**

**External
Relations**

**International
Double Degrees**

Industry



UPM Courses

- **Changes on your Learning Agreement until 1st October**
 - ✓ **Very important** to have all your courses on your LA before grades
 - **Exam period from 8-25 January. Check learning guides for evaluation rules**
 - **Deadline for closing course grades on the system on 16 february.**
 - ✓ Could not be posible sending ToRs before that
-
- **New course for mobility students in both semesters**
 - ✓ **SPANISH FOR FOREIGNERS, 3 ECTS**
 - https://www.upm.es/comun_gauss/publico/guias/2024-25/1S/GA_10II_105001046_1S_2024-25.pdf
 - Oriented for A1-A2 spanish level (basic level)
 - Will start in the incoming days.
 - Thursdays at 12:00





UPM activities

- UPM Choir
- UPM Orchestra
- Concerts at National Auditorium (Auditorio Nacional)
- Language courses (Centro de lenguas UPM)
 - ✓ Spanish courses
 - Some courses in our campus, others in Ciudad Universitaria (Moncloa)
- Sports courses
- Sports competitions




**UNIVERSIDAD
POLITÉCNICA DE MADRID**

Estudios y Titulaciones | Sala de Prensa | English | Sede


UCRANIA

UPM

Estudiantes | Futuros Estudiantes | Personal | Investigación

UPM / Actividades Deportivas

- Historia
- Organigrama
- Órganos de Gobierno
- Defensor Universitario
- Centros y Campus Universitarios
- Departamentos
- Normativa y Legislación
- Consejo Social
- Boletín Oficial
- Datos Económicos
- Políticas de Igualdad
- Fundaciones de la Universidad
- Compromiso Social y Medioambiental
- Acción Social
- Sala de Prensa
- Biblioteca Universitaria
- Actividades Culturales
- Actividades Deportivas
- Museos y Colecciones UPM
- Residencias Universitarias
- Inteligencia Institucional
- Calidad
- Servicios Tecnológicos
- EELISA

Agenda General de Competición

Para cualquier consulta e información puede remitir un e-mail a Deportes:
deportes@upm.es

Atención telefónica:
Rectorado 91-06 70336/37/38
Polideportivo Campus Sur: 91-06 78742
Instalación deportiva Montegancedo: 91-06 79049

- OFERTA ACTIVIDADES DEPORTIVAS - 2022-23

- Ficha carnet actividades deportivas
- Enlaces a los cursos a través de eventos UPM

- CIRCUITO UNIVERSITARIO DE CROSS 2022-23

- Calendario y Reglamento del Circuito de Cross 22-23

La inscripción a las carreras del circuito de Cross se realizará on-line a través de:
www.atletismomadrid.com

[Sistema de Selección de equipos UPM para el Campeonato de España de Campo a través - Curso 2022-23](#)

CROSS POLITECNICA: SE REALIZARA EN EL CAMPUS DE MONTGANCEDO
Enlace al lugar de acreditación y salida
<https://maps.google.com/?q=40.405552;-3.834564>

- Plano recorrido Cross UPM --22 de octubre
- [Reglamento Cross UPM](#)



Sport facilities in campus

- Weight room
- Football 7
- Football 5
- Basketball
- Tennis





Introducing yourself

Hi!

I'm Lily.
What is your name?

My name is .

Where do you live?

I live in .

I like to sing.
What is your hobby?

I like .

Nice to meet you!

Drag your answer to the correct empty space above

Nice to meet you too!

James

Kuching



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ETSIINF Student Union and Student Associations



DELEGACIÓN DE ALUMNOS

<http://da.etsiinf.upm.es>



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UPM European Student Network



ESN

Erasmus Student Network
Madrid UPM

<https://chat.whatsapp.com/FPDsd6GZNeNHKgiXSKYCdT>



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BEST: Board of European Students of Technology



BEST

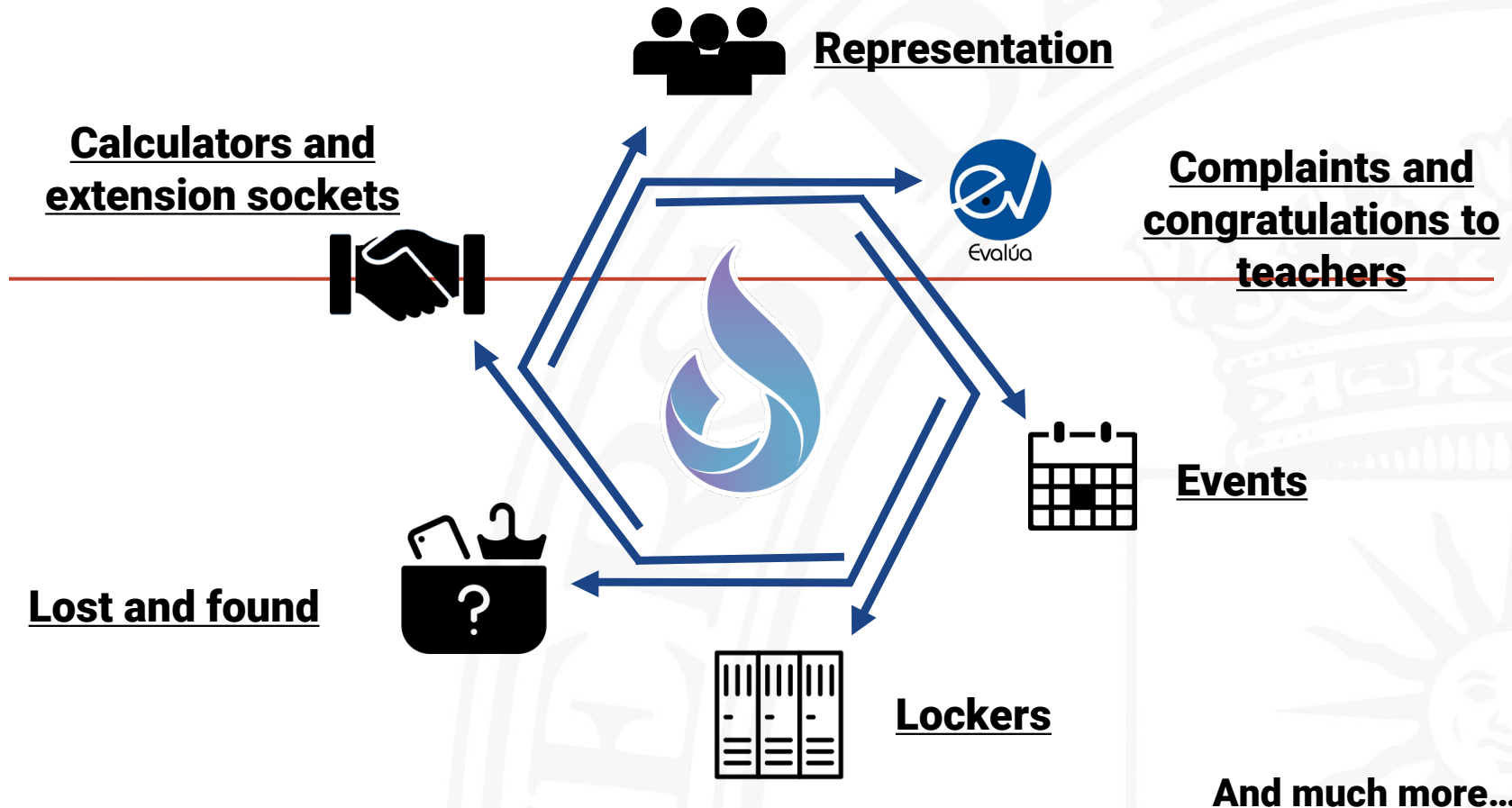
Board of European
Students of Technology

<http://best.eu.org>



¿What do we do?

**Delegación de Alumnos
de la ETSI Informáticos**



And much more...



@daetsiinf



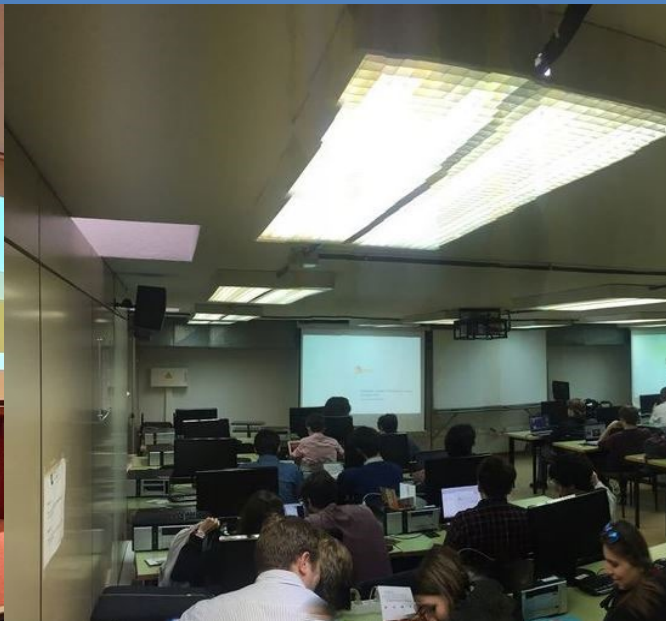
www.da.fi.upm.es



Try IT!

March 13th – 17th

Delegación de Alumnos de la ETSI Informáticos



**Presentations and live
demos**



Workshops



**Participation and
sponsorships from mayor
companies**



@daetsiinf



www.da.fi.upm.es



Paellas Party

April 24th

**Delegación de Alumnos
de la ETSI Informáticos**



**Materials for making
fires (safely)**



Musical events



@daetsiinf



www.da.fi.upm.es



ETSIINF Associations (I)

- ACM (Association for Computing Machinery) - UPM Student Chapter
- CITFI (Club de Informática y Telemática)
- Histrion (Theatre association)
 - ✓ Next Friday Festival de Artistas
- NERV (Anime, Manga, Gaming & Japanese culture society)
- Sports club (club deportivo)
- Tuna de informática



ETSIINF Associations (II)

- ASCFI (Asociación Socio-Cultural de la Facultad de Informática)
- Alfa y Omega
- TCGFI (Trading Card Games FI)
- AC/DC (Asociación de Cine, Debates y Cultura)
- Inetmáticos UPM Clubs
- AAM (Asociación Astronómica Montegancendo UPM Informáticos)
- ABA-ETSIINF (Asociación de Bailes y Artes)



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How to get the most of your stay at ETSIINF-UPM (and Madrid)

- **Academic** issues: Ask your professor
- **Mobility** issues: Ask OREX
- **Other** issues: Delegación de Alumnos / BEST / ESN
- Learn and practice **Spanish**
- Get to know **Madrid** and surroundings!

