

MAGALHAES and TIME networks for Engineering



*IV Foro de Rectores y
Presidentes de Universidades
Rusas e Iberoamericanas.*

17 de octubre de 2019

Prof. Dr. Guillermo Cisneros

*Rector de la Universidad Politécnica de
Madrid*

T.I.M.E. (Top Industrial Managers for Europe) Association



The T.I.M.E. Association currently consists of 56 members in 21 countries, including Australia, Brazil, Canada, China, Russia, Japan in addition to the main European countries.

The T.I.M.E. (Top Industrial Managers for Europe) Association was founded by **Ecole Centrale Paris** (today CentraleSupélec) in 1989. All TIME members are **leading Technical Universities or Engineering Schools** in their own country. they all have a strong international dimension in their research, teaching and industrial relations and they are all committed to international cooperation, student exchanges and recognition of studies abroad.

The main purpose of TIME is to facilitate the exchange of students for **Double Master Degrees** in Engineering. Since its creation, over 3,000 carefully selected students have graduated with two Master Degrees and they have enjoyed a rapid career progression in industry and in other fields of activity.

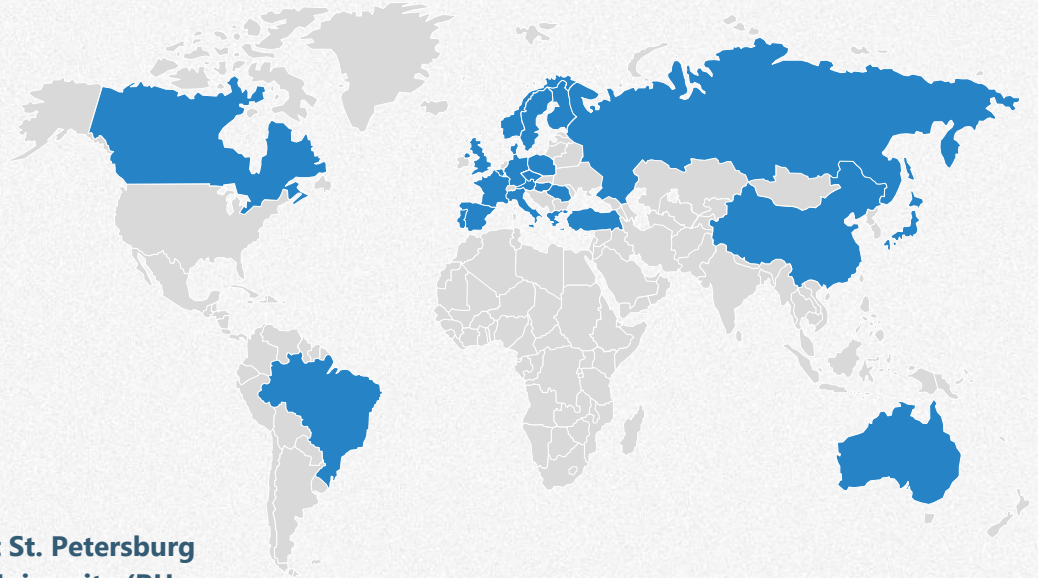
T.I.M.E. double graduates are mobile, adaptable and culturally aware.

In addition to double degrees, T.I.M.E. enables its members to:

- ***network for EU-funded projects in education***
- ***identify opportunities for academic collaboration***
- ***exchange good practices and experiences***
- ***participate in specialized task forces***
- ***promote expertise***
- ***increase their visibility***

UPM has participated in the T.I.M.E. Advisory Committee since its creation, and it is actually one of the most active members with Double Degree Programs in 13 countries out of 21, with more than 30 Institutions.

T.I.M.E. (Top Industrial Managers for Europe) Association



Universidade Estadual de Campinas (BR-UNICAMP) Brasil

Universidade de São Paulo (BR-USP) Brasil

Instituto Superior Técnico (PT-IST) Portugal

Universitat Politècnica de Catalunya (ES-UPC) Spain

Universitat Politècnica de València (ES-UPV) Spain

Universidad Pontificia Comillas (ES-COMILLAS) Spain

Universidad Politécnica de Madrid (ES-UPM) Spain

ETSI Sevilla (ES-ETSI) Spain

Peter the Great St. Petersburg Polytechnical University (RU-SPbPU)

Federal State Budget Educational Institution of Higher Education “MIREA – Russian Technological University” (RTU-MIREA)

Bauman Moscow State Technical University (RU-BMSTU)

Russian Federation

Magalhaes Network



The Magalhães Network was formed in 2005 to increase the academic exchange and collaboration between Europe and Latin American and the Caribbean member Universities and faculties/schools of technology, engineering and architecture. Some are public, some are private.

Vastly increased mobility within Latin America and the Carribeans – more than 75 agreements in place.

Double degrees – more than 35 programs in place, engaging more than 10 universities on each continent.

Cooperative projects, mainly within ERASMUS+.

600 student mobility in each way per semester.

"For us, the Magalhães Network is a unique project. To our knowledge, it is the only university network which does not charge any fees to its members and does not require external funds to support a secretariat to run it."

(J.M. Páez and A. Álvarez, founders)

Magalhaes Network



Mission

The Magalhães Network offers added value to members universities, their students and staff:

1. Effective tools for student exchange
2. Systematic exchange of best practises for internationalization
3. A platform to build relations that can be used to develop joint projects between member universities.



Governance

Tha annual **General Assembly** is the decision making body. held annually. A Follow up committee is the executive board. It is formed by six member universities, three from each continent.

The **Magalhães Network** has a President and a vice President, representing the two continents. The Presidency is elected for two years and may be re-elected for a second term. The Secretariat of the network follows the President.

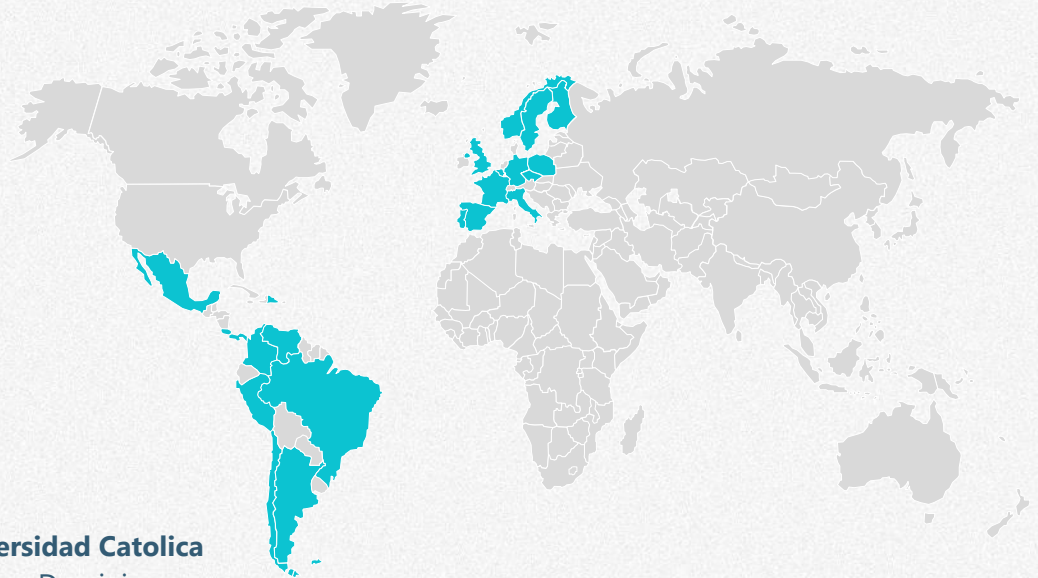


MAGALHAES NETWORK

*Connects leading
technical universities in
Europe and Latin
America and the
Caribbean.*

SMILE

Student Mobility between Latin America and Europe



Instituto Tecnológico de Buenos Aires, Argentina

Universidade Estadual de Campinas, Brazil

Universidade Estadual Paulista “Júlio de Mesquita Filho”, Brazil

Universidade Federal do Rio de Janeiro, Brazil

Universidade de São Paulo, Brazil

Pontificia Universidad Católica de Chile, Chile

Universidad de Chile, Chile

Universidad Técnica Federico Santa Maria, Chile

Pontificia Universidad Javeriana, Colombia

Universidad de los Andes, Colombia

Pontificia Universidad Católica Madre y Maestra, Dominican Republic

Instituto Politécnico Nacional, Mexico

Tecnológico de Monterrey, Mexico

Universidad Nacional Autónoma de México, Mexico

Universidad Tecnológica de Panamá, Panamá

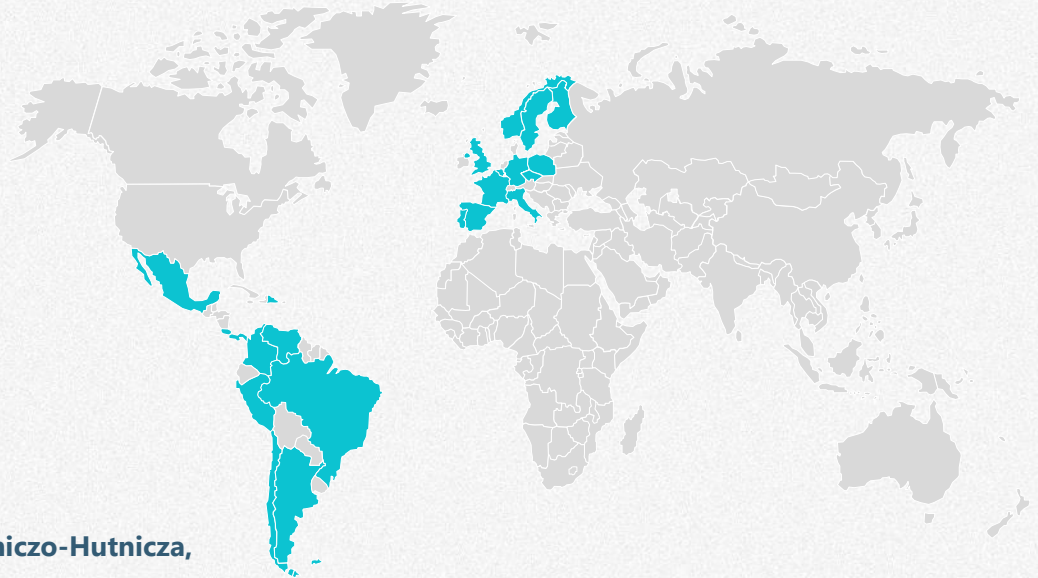
Pontificia Universidad Católica del Perú, Perú

Universidad Simón Bolívar, Venezuela

SMILE allows students to study one or two semesters abroad without paying additional fees to the receiving university on the other continent.

SMILE

Student Mobility between Latin America and Europe



Université Catholique de Louvain,
Belgium

**České vysoké učení technické v
Praze,** Czech Republic

Groupe des Écoles Centrales, France
ParisTech, France

Institut Polytechnique de Grenoble,
France

Aalto-yliopisto, Finland

Technische Universität München ,
Germany

Universität Stuttgart, Germany

Politecnico di Milano, Italy

Politecnico di Torini, Italy

**Norges teknisk-naturvetenskapliga
universitet,** Norway

Akademia Górniczo-Hutnicza,
Poland

Instituto Superior Técnico,
Portugal

**Faculdade de Engenharia da
Universidade do Porto,** Portugal

**Universitat Politècnica de
Catalunya,** Spain

Universidad Politécnica de Madrid,
Spain

**Universitat Politècnica de
Valencia,** Spain

Kungliga Tekniska Högskolan,
Sweden

Lunds Universitet, Sweden

University of Bath , United
Kingdom

*Every year more than 1000
student participate in
exchange studies between
Magalhães partners. Equal
numbers participate from
each continent.*

ATHENS Network (Advanced Technology Higher Education Network / SOCRATES)

Created in 1997, the ATHENS Network (Advanced Technology Higher Education Network / SOCRATES) is made up of 14 European technological universities and nine ParisTech Graduate Schools of Engineering, which coordinates the programme.

The principal goal of the Network is to facilitate **the exchange of students, teachers and researchers** from major European technological universities and to participate together under European technological development and training programmes.

Twice a year, the ATHENS Network organises a programme of 7-day intensive courses at member institutions. The programme known as the **ATHENS week** includes a wide range of courses in engineering and social sciences as well as a number of “**European Dimension**” activities in each country.

One of the Network's first and most particular actions concerns the organisation of an intensive programme of coursework taught at each member institution during one or two sessions in November and March. This activity is called the ATHENS week.

ATHENS Network (Advanced Technology Higher Education Network / SOCRATES)

ARISTOTLE UNIVERSITY OF THESSALONIKI

Thessaloniki, Greece

BUDAPEST UNIVERSITY OF TECHNOLOGY

AND ECONOMICS Budapest, Hungary

CZECH TECHNICAL UNIVERSITY IN

PRAGUE Prague, Czech Republic

DELFT UNIVERSITY OF TECHNOLOGY Delft,

Netherlands

INSTITUTO SUPERIOR TÉCNICO Lisboa,

Portugal

ISTANBUL TECHNICAL UNIVERSITY

Istanbul, Turkey

NORWEGIAN UNIVERSITY OF SCIENCE

AND TECHNOLOGY Trondheim, Norway

POLITECNICO DI MILANO Milano, Italy

UNIVERSIDAD POLITÉCNICA DE MADRID

Madrid, Spain

TECHNISCHE UNIVERSITÄT MÜNCHEN

Munich, Germany

TECHNISCHE UNIVERSITÄT WIEN

Vienna, Austria

UNIVERSITY POLITEHNICA OF BUCHAREST

Bucharest, Romania

WARSAW UNIVERSITY OF TECHNOLOGY

Warsaw, Poland

KATHOLIEKE UNIVERSITEIT LEUVEN

Leuven, Belgium

UNIVERSITÉ CATHOLIQUE DE LOUVAIN

Louvain-la-Neuve, Belgium

PARISTECH Paris, France:

AGROPARISTECH

ARTS ET MÉTIERS PARISTECH

CHIMIE PARISTECH

ECOLE DES PONTS PARISTECH

ECOLE NATIONALE SUPÉRIEURE DE

TECHNIQUES AVANCÉES

ECOLE SUPÉRIEURE DE PHYSIQUE ET

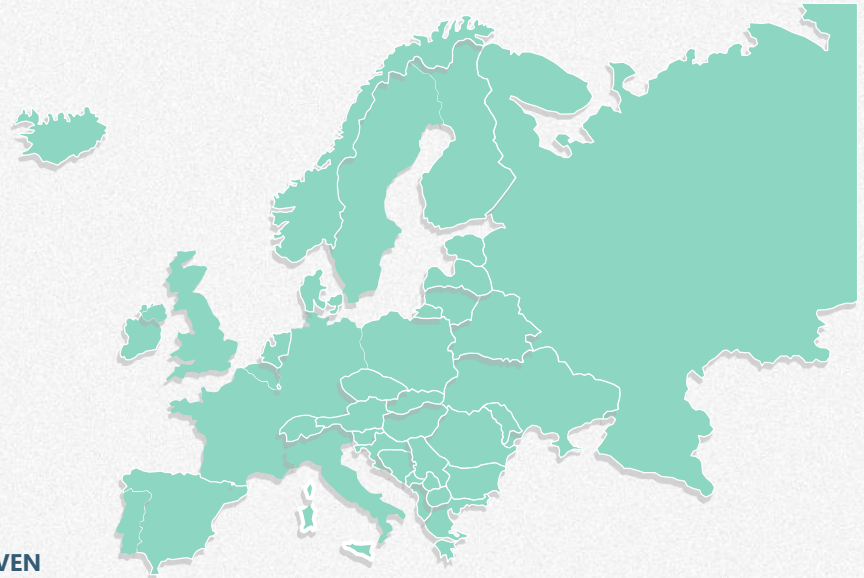
DE CHIMIE INDUSTRIELLES DE PARIS

INSTITUT D'OPTIQUE GRADUATE

SCHOOL

MINES PARISTECH

TELECOM PARISTECH



*Every year more than 2000
student participate in
exchange studies between
ATHENS/SOCRATES
Network.*

Lessons learned from these networks



... implementing short courses as a first international experience for the students and favouring the contact among professors from the different universities ...



... developing a mutual recognition exchange program between Europe & Latin America ...



... generating an easy framework to develop double degrees ...

**And in all of them.... BUILDING
MUTUAL TRUST AND COMMITMENT**