



INSTITUT NATIONAL DES SCIENCES APPLIQUÉES DE LYON



RELATIONS INTERNATIONALES

# INSA Lyon, FRANCE

## Summer Programme 2012

membre de  
UNIVERSITÉ DE LYON



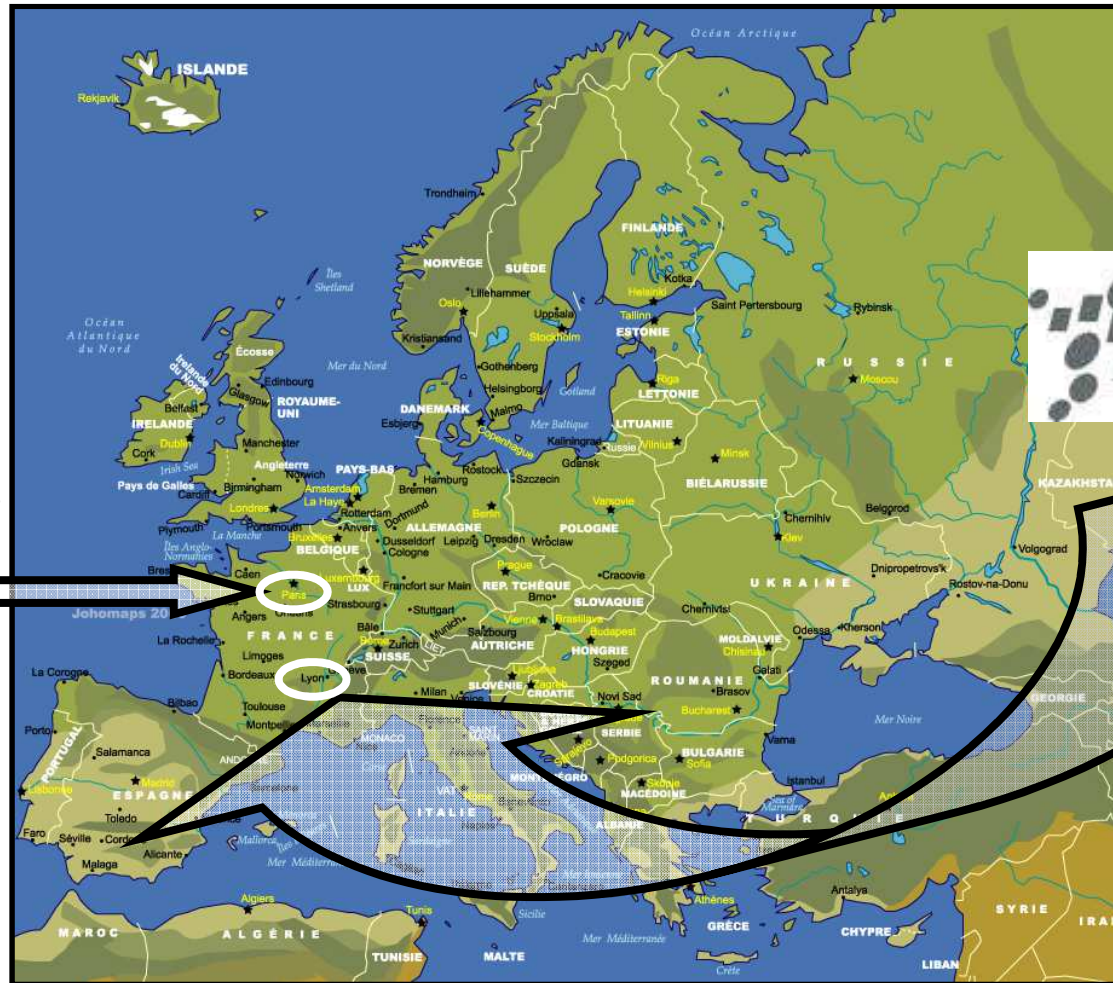


# European Perspectives in Engineering & Innovation

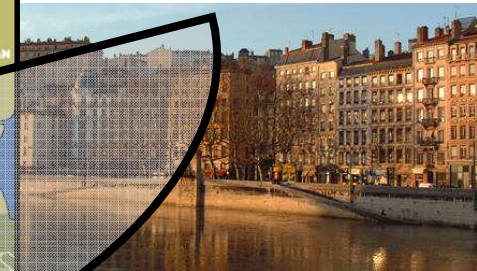
## INSA Lyon Summer Programme July 2012



# INSA Lyon in EUROPE, at the gateway to the French Alps



Paris – 2 hours  
away by train  
TGV



## European Perspectives in Engineering and Innovation Summer Programme

- 👉 INSA Lyon Summer Programme July 2012
- 👉 Enrolment requirements:
  - 👉 Students must be 18 years or older (by the program start date) in order to participate
  - 👉 Target enrolment: 20 – 30 students from SJTU and other partner universities
- 👉 SJTU staff member will accompany the group
- 👉 INSA Lyon Summer Programme certificate upon completion of the programme

2012 edition: Students from Tongji University are invited to join !

## European Perspectives in Engineering and Innovation Summer Programme

### 👉 Language requirements:

👉 Able to follow classes in English (intermediate to advanced level of English proficiency)

👉 No French language requirement to gain entry

👉 Organised social and cultural activities and trips

👉 Double-room housing on campus, within walking distance from the classrooms and close to the city centre

👉 Public transport card to freely explore Lyon and its surroundings

👉 Tuition and fees paid directly to INSA Lyon

# Objectives of the programme

- Learn about **European Perspectives of Engineering and Innovation**
- Benefit from a high quality training programme integrating **innovative pedagogy and entrepreneurship**
- Get to know **French industries and companies, competitiveness clusters and research laboratories**
- Experience **French culture**
- Practice your **English**, and learn some **French**
- Develop your skills of **cross-cultural communication**
- Acquire valuable **international experience**
- Deepen your understanding of another country's **educational methods**
- Discover **INSA Lyon**, a place where you may want to come back for an **academic exchange**, a **Master of Science Degree**, a **Post-Master** or a **PhD!**

# European Perspectives in Engineering and Innovation

👉 Lectures and conferences in **English**

👉 Case studies

👉 Industrial visits

👉 Laboratory visits

👉 Introduction to

**French language and culture:**

**Language survival kit**

👉 **Tourism and fun summer activities!**



« Bonjour ! »



## Examples of lectures and conferences

- 👉 **Lecture: Visions of innovation and technical creativity**
- 👉 **Lecture: From knowledge-based economy to innovative firms**
- 👉 **Lecture: Basics of innovation engineering**
- 👉 **Conference: Digital Human / Body Area Networks**
- 👉 **Conference: Creators and entrepreneurs, the Lumière Brothers**
  - 👉 **followed by a visit of the Institut Lumière in the heart of Monplaisir, that historical area of Lyon where the two brothers invented the Cinématographe and where, in 1895, they shot the first film in the history of the cinema: "Sortie d'Usine".**
- 👉 **Also: language courses, intercultural management, international experience and much more !**



# Case studies from Greater Lyon: a dynamic economic centre

## Competitiveness clusters in France

- 👉 Created in 2005 by the French government
- 👉 Objective: to galvanize the community of innovation players into collaborating as effectively as possible

Greater Lyon alone has 5 competitive clusters, 2 of them on a global scale.

Over the last three years, 300 million euros worth of projects have been approved by the 5 clusters.

# 5 competitiveness clusters in Lyon

## 2 international competitiveness clusters

### Global competitiveness cluster Lyonbiopôle



life science:  
infectious diseases

### Global focused competitiveness cluster Axelera



Chemistry, Environment



## 3 national focused clusters

### Lyon Urban Truck&Bus competitiveness cluster



Public and commercial  
Transport by bus or truck

### Imaginove competitiveness cluster



Digital entertainment:  
video games, cinema,  
audio-visual, animation,  
interactive multimedia

### Techtera competitiveness cluster



Technical and functional  
textiles

# INSA LYON

FRANCE

ranked among **the top universities**  
**of Science and Technology in Europe.**



- Masters of engineering
- Masters of Science
- PhD

<http://www.insa-lyon.fr>



# About INSA Lyon: National Institute of Applied Sciences

- One of the **biggest** Higher Education institutions for Engineering in France
- A top level centre for **education and research**
- Over 900 qualified engineers graduated each year in **12 fields of specialisation**
- 5-year curriculum to train **multi-competent engineers** who are both **innovative** and **entrepreneurial**
- **International perspective** since the creation in 1957 demonstrated by international options such as EURINSA, ASINSA, AMERINSA and SCAN, and also by the **high mobility rate** of students
- An international campus with **30 % international students !**

# About INSA Lyon: National Institute of Applied Sciences

- High quality training programmes integrating **innovative pedagogy** and **entrepreneurship**
- France's N° 1 engineering graduate school for five-years **integrated engineering programs**
- Among the **Top 10 of French Engineering graduate schools** ranking all “Grandes Ecoles d’Ingénieur”
- An ideal place for students **to achieve personal fulfilment** with its accommodation in **residences on-campus**, a flourishing **associative life**, intensive **sports activities**, **arts-studies** options, teaching of languages, communication, management....
- A global network of institutional partners – **in Shanghai : SJTU and Tongji University**

# « *Grandes écoles* » ranking 2012

➤ « L'Etudiant / L'Express Magazine, January 2012 »  
Engineering schools 2012

**INSA Lyon: #1**

**Post-bac Engineering Schools**

- Academic excellence
- Links with industries
- International development

## Post-bac Engineering Schools (5 years)

Ecole	Groupe 2012	Note 2012	Niveau académique	Proximité avec les entreprises	Ouverture internationale
INSA Lyon	A+	63	xxx	xxx	xxx
UTC - Compiègne	A	56	xxx	xxx	xxx
INSA Toulouse	A	46	xxx	xxx	xx
INSA Rouen	A	42	xxx	xxx	xxx
CPE - Lyon	B	38	xxx	xxx	xx
ECE - Paris	B	37	xx	xxx	xxx
UTT - Troyes	B	37	xxx	xxx	xxx
EPF - Sceaux	B	36	xx	xxx	xxx
ESIEE Paris - Marne-la-Vallée	B	36	xxx	xxx	xx
INSA Rennes	B	36	xxx	xxx	xx
ICAM Lille-Nantes-Toulouse	B	34	xxx	xxx	xxx
ECAM - Lyon	B	33	xxx	xxx	xx

## Bac +2 Engineering Schools (3 years)

Ecole	Groupe 2012	Note 2012	Niveau académique	Proximité avec les entreprises	Ouverture internationale
École polytechnique - Palaiseau	A+	80	xxx	xxx	xxx
École centrale - Paris	A+	75	xxx	xxx	xxx
École des mines ParisTech	A+	70	xxx	xxx	xxx
École des ponts ParisTech - Marne-la-Vallée	A+	69	xxx	xxx	xxx
Télécom ParisTech	A+	68	xxx	xxx	xxx
Arts et Métiers ParisTech	A+	63	xxx	xxx	xxx
Supélec - Gif-sur-Yvette	A+	63	xxx	xxx	xxx
ISAE - Toulouse (ex-Supaero+ENSICA)	A+	62	xxx	xxx	xxx

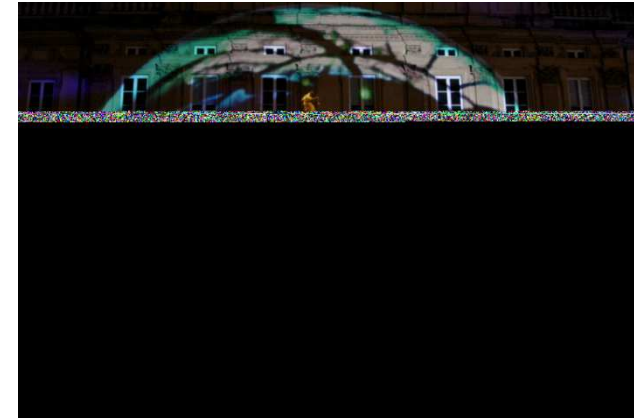
# Grandes écoles ranking 2012

Usine Nouvelle,  
March 2012  
All engineering  
schools

Rang	École	Note globale	Salaire de sortie ( annuel brut en K€ )	Budget par élève ( K€ )	Etudiants partis à l'étranger ( % )	C.A. généré par les contrats de recherche ( M€ )
1	<a href="#">Polytechnique - Palaiseau</a>	87,8	44	66	9,9	26,00
2	<a href="#">Mines ParisTech</a>	85,6	40	74	55,6	31,75
3	<a href="#">INSA Lyon</a>	76,7	33	23	15	24,00
4	<a href="#">ISAE Toulouse</a>	70	41	27	31,7	24,60
5	<a href="#">INP Toulouse</a>	69,8	36	27	43,7	17,05
6	<a href="#">UTC - Compiègne</a>	66,6	38	19	32,7	14,70
7	<a href="#">Grenoble INP</a>	63,8	33	26	18,9	16,25
8	<a href="#">ESPCI ParisTech</a>	62,9	40	80	33	7,80
9	<a href="#">Centrale Paris</a>	62,8	43	26	42,4	7,61
10	<a href="#">Télécom ParisTech</a>	62,3	40	46	8,7	15,90
11	<a href="#">Mines Nancy</a>	59,9	40	61	25,6	10,04
12	<a href="#">Arts et Métiers ParisTech</a>	58,4	34	21	20,3	8,90
13	<a href="#">Télécom Bretagne</a>	58,3	36	40	24	9,00
14	<a href="#">ENAC - Toulouse</a>	57,2	37	79	34,9	4,21

# Lyon city

- A hub of communication in the heart of Europe



## ➤ Population

- ✓ 2 million inhabitants (2nd French city)
- ✓ 160,000 students / ~15 000 foreign students



# About Lyon

Welcome to **Lyon, capital of the Rhône-Alpes Region!**

The Rhône-Alpes region never leaves anyone indifferent – the **contrasts of its landscapes** and **Beaujolais vineyards** constantly surprise.

Located at the confluence of the rivers Rhône and Saône, Lyon is proud of its **2000 years of history**.

Once Lugdunum, capital of the Gauls, now Lyon, an international metropolis, **France's second city** proposes an original trip back in time and through cultures.

# About Lyon

**UNESCO** has recognised the exceptional nature of Lyon by listing its historical site as a **World Heritage**.

**Gastronomy, culture, nature, sport...**

Lyon and the Rhône-Alpes region offer visitors a warm welcome, surprising and delighting them with their rich resources, festive atmosphere and carefully preserved quality of life.

**PASSIONS: good food and wine, festivities, music, dance, silk and light ...**  
in other words : **LIFE !**



# *Lyon city*

A major european city combining a rich cultural life with a highly diversified industrial environment



- Paris (2h), Mediteranean see (2h)
- Alpes skiing resorts (2h)
- Beaujolais (1h) and Burgundy (2h) vineyards





## Example of visits: Pérouges

**The Mediaeval city of Pérouges is situated on a plateau and surrounded by green fields.**

**Its small cobblestoned lanes, with its central waterspout, its old well, its squirrel-type winepress, its fortress church, its picturesque houses, its stores with stalls and evocative signs; its weaver's staff and its bookbinder...**

**...will take you to the Middle Ages!**

## Example of visits: Chamonix

**An outdoor enthusiast's paradise!**

**The mountain scenery surpasses one's wildest expectations and the Mont-Blanc, jewel in the crown, thrones silently over the Chamonix valley.**

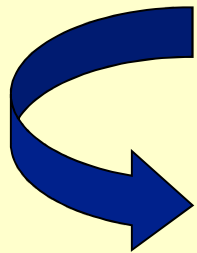
**The lifts and cog railways transport visitors into the very heart of the Mont-Blanc Massif, the realm of high mountains where one may contemplate and admire exceptional panoramas, which**

**...will leave you breathless !**



## The international mobility experience

- 👉 Acquisition of new skills and competences
- 👉 Discovery of a new culture
- 👉 Practice of another language
- 👉 Adaptation to new environments



**Ability to evolve within a multicultural context = answer to the companies' needs**

## INSA Lyon facilitates your international experience

- 👉 **On-campus lodging in double rooms with bathroom and kitchen**



- 👉 **Internet access (you are advised to bring a laptop computer)**

- 👉 **Access to low-price laundry facilities**

- 👉 **New first-rate library on campus**



- 👉 **Walking distance from classrooms and close to the city centre hosting several summer festivities**

- 👉 **Administrative support**



## What is Covered (1)

- ➡ **Tuition fees and lectures**
- ➡ **Housing on campus**
- ➡ **Breakfast and lunch from Mondays to Fridays**
- ➡ **Coffee/tea/surprise-breaks (2 per week on average)**
- ➡ **Dinner in a typical Lyon restaurant**
- ➡ **Student parties**
- ➡ **Opening cocktail party**
- ➡ **Welcome pack**



## What is Covered (2)

- ➡ **Public transport card**
- ➡ **Programmed visits and activities :**
  - ➡ **industrial visits,**
  - ➡ **2 major sightseeing visits within the region on a Saturday or Sunday (example : Chamonix, P erouges) including transport, admission fees, guided tours, lunch,...)**
  - ➡ **cultural visits**
- ➡ **Ground transportation in conjunction with group flight**

## What is Not Covered

### Students need to budget additionally

- 👉 Roundtrip airfare
- 👉 Visa application fee
- 👉 Travel & Health insurance
- 👉 Weekend and evening meals
- 👉 Optional activity fees
- 👉 Personal travel / spending money
- 👉 Optional 4th week in France (if organised)

## Need more information?

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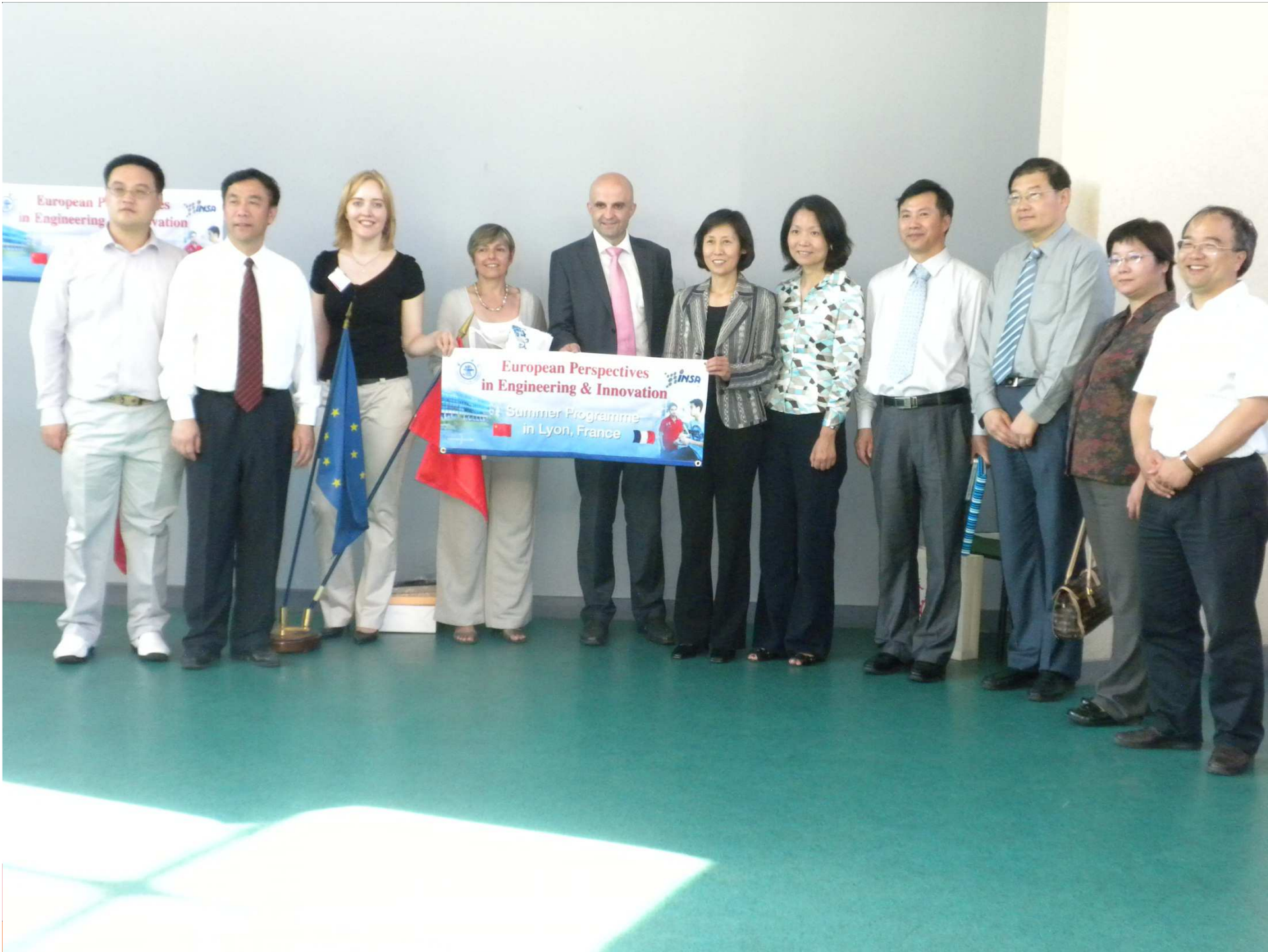
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WAMPS - ELYSEE  
• In the bus / Franky Vincent  
• Samedi / Dionysos  
• Now: chanson du Dimanche

Price = 1€  
• For Washing coins, ask too  
We can bring some for Wednesday

CHAPELLE  
(M)  
Mr Donald  
Formo Today

早饭大哥

早饭二哥







Bourgogne  
勃艮第

PAIN D'EPICES 姜饼

POULET DE BRESSE & MOUTARDE DE DIJON  
布雷斯鸡 & 第戎芥末

CROTTINS DE CHAVIGNOL 夏夫尼干酪

F. Vitteaux







