Seize the opportunity of cutting edge studies in English on the French Riviera

Sophia Antipolis, France

Mediterranean Days- January 24th

General Presentation

- **Graduate school and internationally-recognised research center in communication systems.**
  - Created in **1992** by **TelecomParistech** (ex ENST) and **EPFL** in the largest European techno-park Sophia Antipolis
  - **GIE structure** (6 academic and 9 industrial members)
  - A curriculum totally **TAUGHT IN ENGLISH**
  - Multilingual environment: 70% foreign professors; 60 % foreign students

- **3 main fields of research:**
  - Multimedia Communications
  - Mobile Communications
  - Network and Security

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EURECOM: ONE AMBITION

ONE AMBITION

To train highly qualified engineers with an international profile

TWO PRIORITIES

QUALITY

INTERNATIONAL

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EURECOM: TWO PRIORITIES

	INTERNATIONAL	QUALITY
Location	Côte d'Azur A world renowned region	Breathtaking nature and unparalleled climate
Industrial setting	Sophia Antipolis: Europe largest techno park 70 nationalities	1,452 companies, Leading IT companies 30 000 jobs
Faculty	70% of foreign professors; Classes taught in English	World renowned faculty, IEEE fellows, Best papers…
Students	60% of foreign students, 25 nationalities	All students are recruited in the world best engineering schools
Career	Almost half of alumni are working abroad	Top positions in leading companies for alumni

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Sophia Antipolis

EURECOM MEMBERS

EURECOM building in SophiaTech Campus

- **First class facilities**
  - ➢ a brand new building

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EURECOM's CURRICULA

- **Master of Engineering degree with TelecomParistech/ EURECOM's academic members**
  - Engineering degree from the **Home university**
  - Duration: 2 years
  - Follows the guidelines of the ECTS accreditation system

- **International degrees (ex M.Sc. degrees)**
  - Recruitment: **Bachelor degree**
  - Degree from **PARISTECH**
  - Duration: 16 months
  - Three subjects areas: Mobile Communications, Communications and Computer Security, Multimedia Information technologies
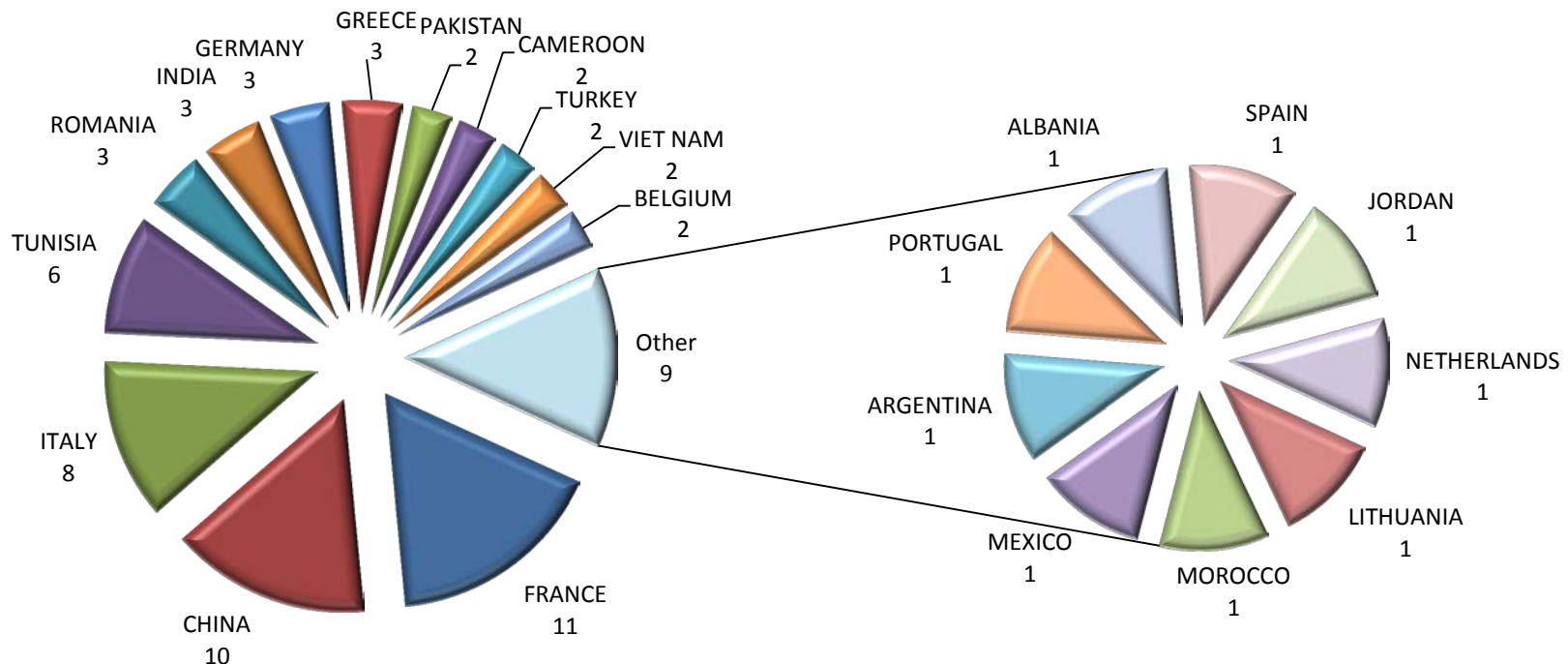
- **Post Master degrees**
  - Recruitment: **Master degree**
  - Degree from **EURECOM**
  - Duration: 16 months
  - Also accessible through continuing education
  - Two subject areas:
    - Intelligent Transport Systems
    - Security in Computer Systems and Communications

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EURECOM's CURRICULA -2

- **PhD programs through various Doctoral Schools**
  - Telecom ParisTech (EDITE)
  - All EURECOM's academic members (Polito di Torino, Aalto University…)

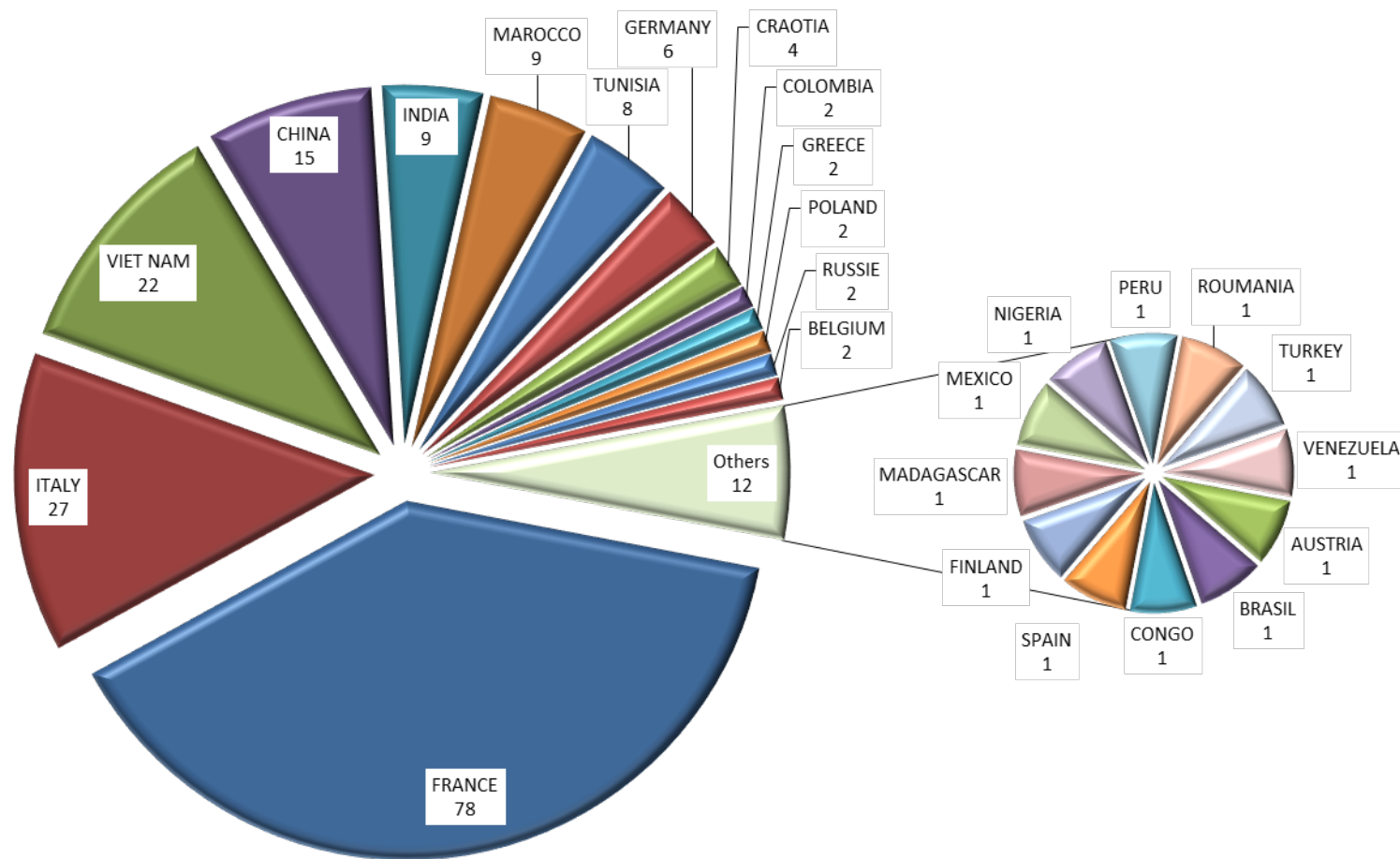### Distribution of PhD students per nationalities
(year 2013)

High level recruitment & international immersion

- Study among the best international student communities

- EURECOM students spend time studying, working and living together, sharing different cultural backgrounds

- In 2012-2014: **210 graduate students from 25 nationalities**

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High level recruitment & international immersion

Distribution of students by nationalities (classes of 2012-2014)

International Masters

- TelecomParistech / EURECOM offers 3 Master of Science's degrees in Information Technologies, all accredited by the French Ministry of Education and Research and labelled by **PARISTECH** (*consortium of 11 leading French engineering schools*).

    - **Communication and Computer Security**

    - **Mobile Communications**

    - **Multimedia Information Technologies**

- Three semesters (two academic and one paid six-month professional internship).

- The academic program includes a session of intensive **French-language courses** before the start. French language courses are also organized throughout the academic year for non-French speaking students

- This degree takes you to the high level of specialisation asked for by our industrial partners. The objective is to take a top position in a company or if you wish to carry on to a PhD.
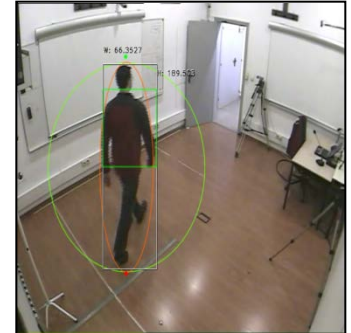
Students' Projects

During your studies at EURECOM, you will have to pick up a project and work on a innovative subject, together with a professor.

A few examples of EURECOM students' projects:

➢ *Video based Face Recognition*

➢ *Deployment of Peer-to-peer Doom 3*

➢ *Enriching the Facebook Event application with EventMedia*

➢ *Visual Human Body Cloning using Kinect_II*

➢ *Deployment of a peer-to-peer game based on Minecraft*

➢ *Impact of Facial Cosmetic on Automatic Face Recognition*

➢ *Managing Emails via a Smart Web Application*

➢ *Voice conversion toolkit*

Internships

- EURECOM International Master's programs include a **paid 6-month internship** in a hi-tech company or lab.

- Eurecom has an impressive record of internship opportunities to make sure each student will find one suitable.

- This is a unique opportunity to gain an international professional experience by working on a project closely with a tutor from a company.
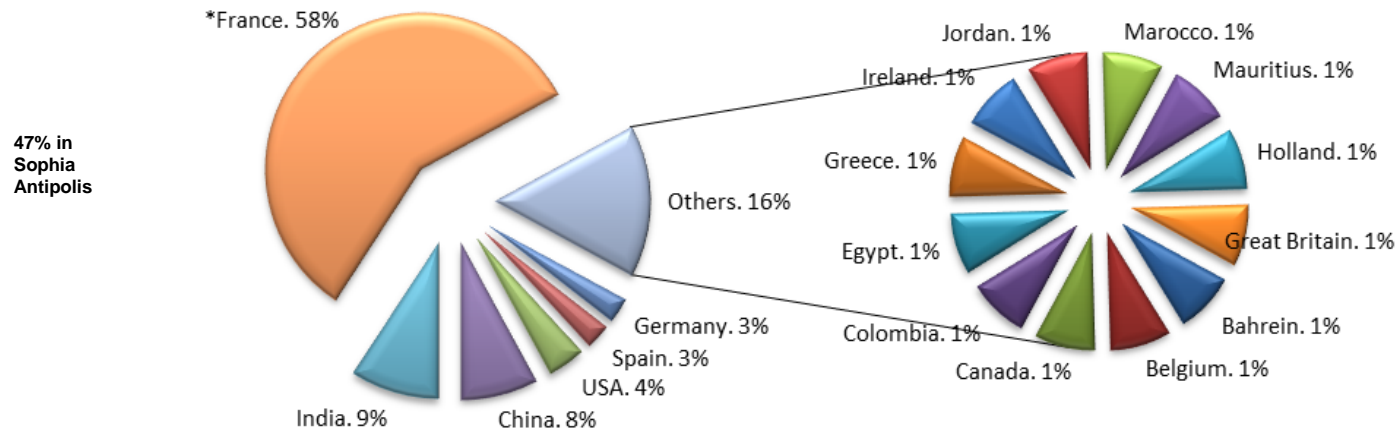
A few examples of recent internships

- *Energy, Health and environment in mobile networks* (**ALCATEL LUCENT**)
- *Study and tests of satellite/ GSM 3G integration for backhaul networks*
(**THALES ALENIA SPACE**)
- *Study of the influence of NAT in triple play networks* (**ROYAL PHILIPS ELECTRONICS**)
- *ISP-friendly Video-on-Demand* (**THOMSON**)
- *Testing of access control list behavior* (**CISCO**)
- *Enhancement of Multi-Hop Vehicular Broadcast protocol for active safety applications* (**HITACHI**)
- *Online Business travel System Integration for Corporations* (**AMADEUS**)
- *Evaluate the feasibility of particular kinds of multi-fault attacks against RSA* (**ST-ERICSSON**)

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Employment opportunities

- The content of curricula is carefully designed to always fit current market needs to provide our graduates with very **good professional opportunities**.

Countries and companies where EURECOM Master of Science alumni currently work
(2006-2012 class*)

France Telecom/Orange, Amadeus, Symantec, NVIDIA, Ericsson, ATOS, ATEME, 3Roam, Accenture, Alcatel, ALLOT Communications, Altis, Cisco, Fortinet, GOOGLE, HITACHI, Huawei, IBM, INRIA, INTRACOM, KURT SALMON, LINKBYNET, LPI China, NeTS Research Group, Neurelec, Nokia, Protiviti, SecureMisr, Sofrecom, Systemis, Systra, VALEO, VXCEED, Xpansion.

Requirements

- **Entry degree requirement**:

BACHELOR's degree from an internationally recognized university in sciences or engineering

- **Proof of English proficiency:**

- having English as your mother tongue

- studies in an English-speaking country

- acquisition of an English Language qualification (TOEFL : 550PBT or 213 CBT or 79-80 IBT/ IELTS : 5.5 / TOEIC :750 / Cambridge : CAE)*

- **Online application:**

http://www.telecom-paristech.fr/eng/international-studies/master-of-science/how-to-apply.html

EURECOM's POST MASTER DEGREES

➢ EURECOM will start delivering its Post-Master degrees in **Fall 2013**

- ▪ **State-recognized degrees** open to students holding a **Master's degree**.

- ▪ **Two highly innovative professional fields:**
  - Communications for Intelligent Transport System
  - Security in Computer Systems and Communications

- ▪ **Objectives**:

  Providing a wealth of skills and a competitive edge in these two fields to enhance employability and to take up positions of responsibilities.

- ▪ **Academic quality** :

  EURECOM is a worldwide renowned center of research in Intelligent Transportation and Computer Security. Each curriculum is supported by recognized and solid research.

- ▪ **Great professional opportunities**:

  These two fields, identified as national priorities in many countries, have large expected industrial and business growth prospects. EURECOM's key industrial partners have been involved in the curriculum to make it consistent with market needs.

Online application

POST MASTERS' CURRICULUM

EURECOM Post Master's degrees blend a **high-tech and flexible** curriculum with coursework in management, law and Entrepreneurship. Students can choose among a wide choice of courses:

Intelligent Transport System	Security in Computer Systems and Communication	Non technical courses
Internet applications	Emulation and simulation methodologies	Entrepreneurship and Capital-Venture
Mobile communication systems	Basics Mathematical Methods for Engineers	Innovation & new product development
Introduction to computer networking and internet	Mobile application and services	Introduction to management
Secure Communications	Mobile communication systems	Intellectual property law
System and Network Security	Network Modeling	Personal Development and Team Leadership
Cyber-crime and Computer Forensics	Standardization activities	Business Simulation
Security of Security hardware	Mobile Networking	
Imaging for security applications watermarking & biometrics	Mobility Modeling	General introduction to law : contracts, setting up a business
Mobile networking	Wireless Access Technologies	Project management
Internetworking architectures and protocols	Infrastructure Planning and Transportation Planning	Sociological Approaches of Telecom Technologies
Security applications in networking and distributed systems	Emission and Traffic Efficiency	

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Scholarships and financial aid

- **Scholarships and fee waivers are available for highest-ranked students:**

  ➢ **International Masters**

  ➢ **Post Master Degrees**

- **CampusFrance publishes on line all scholarship opportunities available for foreign students:**

  http://www.campusfrance.org/fria/bourse/index.html#app=faac&193-si=0

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ACCESSIBILITY

- **Accessible professors:**

EURECOM has one of the **best students/professors ratio** among French higher education institutions (**9:1**).

It means students are given the ability to work closely with professors.

- **A dedicated and smiling administration team :**

EURECOM's small structure means our staff can provide you with personal assistance and help with all administrative issues to facilitate your study:

- ➢ Register for social security and visa procedures
- ➢ Help you find accomodation and apply
for accomodation financial aid*
- ➢ Open a bank account
- ➢ Find an internship…

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ACCOMODATION

At EURECOM, the *Student Affairs Department* have plenty of accommodation options tailored to your needs:

-Villa sharing formula
-Public and private halls of residence
-Private accommodation

Student association

- **Eurecom's very dynamic student association offers many events all year long:**

  - EURECOM's Weekend of Welcome (WEI)
  - An international study trip (Japan, Eastern Europe…)
  - A EURECOM discovery week end (WEED)
  - Week End trips (Venice, Florence, Barcelona …)
  - Every possible sport activities (golf, skiing, climbing, diving, canyoning, riding…)
  - The famous Villa Melody night parties…

Unforgettable moments

Useful information

Administrative information	**Caroline HANRAS** International Relations Manager **caroline.hanras@eurecom.fr**
Website	**www.eurecom.fr**
Information about study programs	http://www.eurecom.fr/en/teaching
Application for International Master degree	https://admissions.telecom-paristech.fr/MSc/candidature1.php
Application for Post-Master degree	https://www.eurecom.fr/en/postulant/new
Phd Programs	http://www.eurecom.fr/en/teaching/doctoral-program

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