

# High-level training TRAINING AND TEACHING FUTURE ENGINEERS FOR THE 3GPP ECOSYSTEM

EURECOM is a French graduate school with a strong international perspective, and as such has been playing a key role in the higher education landscape for more than 30 years. We offer advanced training programs attentive to the challenges of industry through a unique consortium model that fosters close and long-term ties with industrials.

## PH.D STUDENTS

EURECOM is involved with several doctoral schools and offers PhD students a central role by placing them at the very heart of the research dynamic. They benefit from a high-quality academic and working environment. They can do exploratory research on emerging subjects in various key areas related to AI, cybersecurity and next-generation networks.

## Teaching programs

### - ENGINEERING DEGREE IN DIGITAL SCIENCE

Five tracks : Data Science, Internet of Things, Digital Security, Intelligent Communication Systems, Embedded systems

### - MASTER'S DEGREES IN NETWORK AND TELECOMMUNICATION

- Master in Internet of things
- Master in Intelligent communication Systems

### - MASTER'S DEGREE IN COMPUTER SCIENCE

- Master in Data Science
- Master in Digital Security

### - POST MASTER'S DEGREES

- Security in computer systems and communications
- Connected vehicles (c-its)

## Key figures:

330 Master Students / 40 nationalities / 27 faculty  
98 Ph.D students / 50 Research staff

## YOUR CONTACTS

on the booth



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## GRADUATE SCHOOL & RESEARCH CENTER IN DIGITAL SCIENCE



We are **shaping**  
**the future** of  
networking  
technologies

MWC Barcelona 2023  
Hall 2 • Booth 2C50



[www.eurecom.fr](http://www.eurecom.fr)

# A MAJOR ACTOR in the 3GPP ecosystem

*“After many years of participation and demonstration with key industry partners, EURECOM is thrilled to showcase its own direct contributions to the 3GPP ecosystem, particularly in basic research and training, open-source software development and standardization.” Prof. Raymond Knopp*



I am happy that EURECOM successfully contributes to push the research communities towards more intelligent, open, virtualized and interoperable mobile networks that will benefit a great number of users and citizen.



DAVID GESBERT  
DIRECTOR AT EURECOM

We are proudly leaving our mark when it comes to R&D, with key contributions to AI, cybersecurity and next-generation networks. Both system-level and fundamental research projects have been led by our faculty, including 6 ERC projects. Especially in the 5G/6G area, EURECOM is the #1 EU project contributor in France for 2022 among universities.

Over the last years, EURECOM has also gained recognition for experimental system-level research and transferring ideas to 3GPP standardization fora.



## EURECOM as a partner in EU-funded Projects

Providing a prototyping and testing open-source platform for new XG solutions and technologies.

5G-VICTORI, MonB5G, 6G Brains, 6G Bricks, 6Green, IMAGINE-B5G...

## EURECOM as a contributor to the change of standards for future generation networks

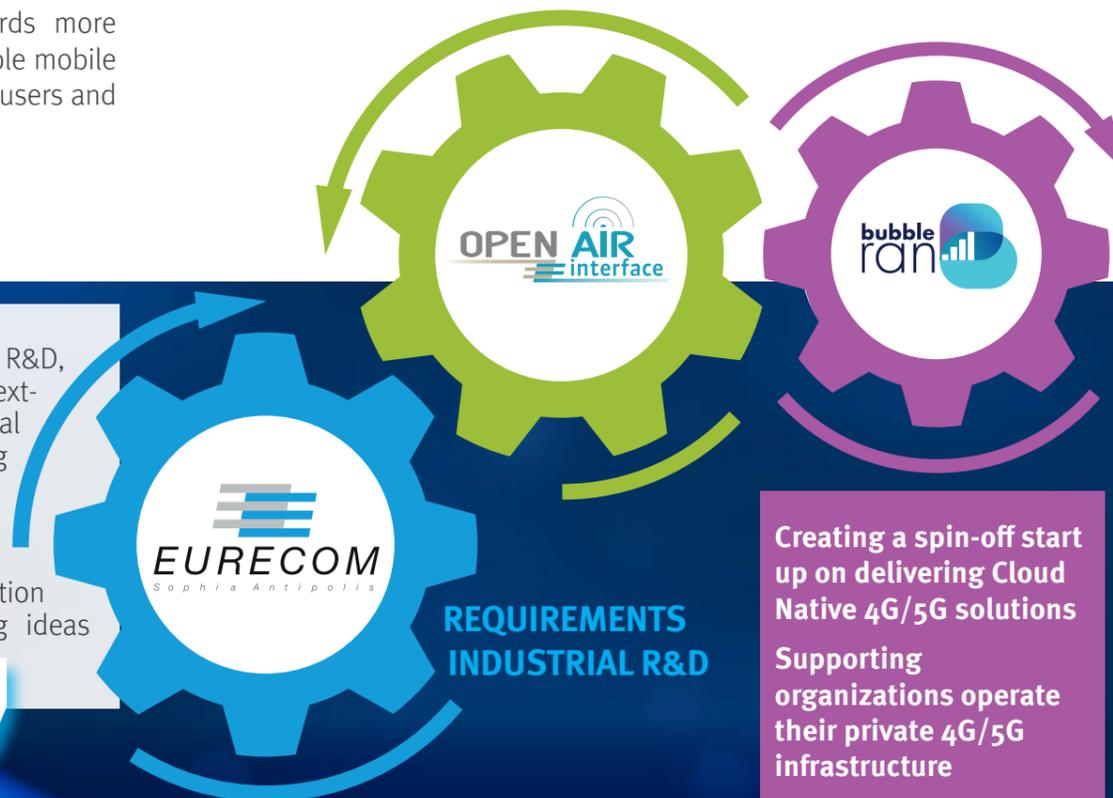
Founding a pioneer standards group, contributing to different standards organisation and training Ph.D specialized in standardization

# THE INNOVATIONS FOR FUTURE NETWORKS: Open Ran exhibition

EURECOM is the founder of the internationally known OpenAirInterface (OAI), an open-source reference implementation of the 3GPP standards which facilitates 5G networking experimentation at a host of academic and industrial R&D labs across the world.

ENHANCEMENT, USABILITY  
TECHNOLOGY TRANSFER

TURNKEY 3GPP  
COMPLIANT SOLUTIONS



REQUIREMENTS  
INDUSTRIAL R&D

Creating a spin-off start up on delivering Cloud Native 4G/5G solutions

Supporting organizations operate their private 4G/5G infrastructure

Supported by EURECOM, Firecell leads 2 Open Source 5G projects under the Open Air Interface (OAI) community



## A labelled research partnership!

Since 2006, EURECOM was awarded the “Institut Carnot” label jointly with the Institut Mines Télécom for the quality of its research partnerships.

# EURECOM’S ALUMNI SUCCESSFULLY contribute to the advancement of communication Systems

“Choosing to study at EURECOM was simply a no-brainer. EURECOM had an excellent and globally renowned faculty, and offered an outstanding curriculum mixing theory and practical use-cases. After finishing my masters I decided to also do my PhD in EURECOM’s Mobile Department. Even more than 20 years later, graduating from EURECOM is still an important highlight in my resume.

As Director of MCC in ETSI, I remain very close to EURECOM. Both institutes are at the forefront of innovation and EURECOM is an active member in ETSI (MEC, RIS, OSM, ...) and in 3GPP. We meet regularly with EURECOM’s researchers to foster this collaboration”



ISSAM TOUFIK,  
CLASS OF 2002  
DIRECTOR OF THE 3GPP  
MOBILE COMPETENCE  
CENTRE AT ETSI

My experience at EURECOM represented a life-turning point in my professional life. The study program included the most up-to-date and relevant topics in mobile communications. The relevance of EURECOM’s teachings allowed me to pursue my Ph.D. degree and get my current position as a researcher at Nokia.



SANTIAGO  
MOREJON GARCIA  
CLASS OF 2017  
DEVICE & MODEM  
STANDARDS RESEARCH  
EXPERT AT NOKIA

On the grand scheme, what I found special about EURECOM program: first providing an up to date content from both worlds academia and industry, second focusing on the practical aspect of it by engaging students into real world projects. More specifically, the Digital Security track guided me to acquire the right hands-on skills to dive into a challenging field such as offensive hardware security



BECHIR BOUALI,  
CLASS OF 2020  
SR. OFFENSIVE HW SEC  
ENGINEER AT QUALCOMM