Research topics	Vulnerability detection, analysis, exploitation, and/or remediation
Position (M/F)	Faculty, Assistant Professor
Reference offer	SN/AF/MDCREV/072024
Research Department	Digital Security
Publication date	03/07/2024
Start date	ASAP
Duration	Full time CDI contract

Description

EURECOM is a major Engineering School and a Research Center in digital sciences At the heart of the Sophia Antipolis international technology park, on a site dedicated to teaching, research and digital innovation. EURECOM boasts one of the world's most renowned academic research teams in the field of digital security.

We are looking for an Assistant Professor (Maître de Conférence - Classe 2, permanent position) in the field of digital security.

Created more than 20 years ago, the Digital Security department gathers 11 professors and more than 40 researchers and engineers whose expertise covers a wide range of security-related fields such as system security, hardware/mobile/cloud security, forensics, theoretical and applied cryptography, big data security, privacy, and biometrics. The new Assistant Professor will be responsible for joining forces with the department by complementing existing research activities.

The new Assistant Professor is expected to conduct research and develop new courses in vulnerability detection, analysis, exploitation, and/or remediation in different areas, including:
   • Fuzzing and symbolic execution
   • Software (e.g., applications, operating systems, and kernel security)
   • IoT and embedded security
   • Hardware/software interfaces
   • Mobile communications and system security
   • Web security
   • Forensics

EURECOM provides competitive salary conditions that depend on experience. The candidate will benefit from significant existing funding to develop their own research team. They will also be expected to develop their activity through new funding from national, European, or other international grants or through research collaborations with industrial partners.

As applied research is part of EURECOM's DNA, we expect the Assistant Professor, in addition to excellence in academic research, to have the desire to tackle system security problems.

Requirements

Candidates should have a Ph.D. in computer science or electrical engineering and proven research experience in one or more of these fields (Post Doc is a plus but not required). Ideally, the candidate should have previous experience developing and working on research proposals in the industry or academia. French speaking is a plus but not required.

Application

Applicants should send a curriculum vitae, including a list of publications emphasizing the three most important publications, a statement of proposed research and teaching activities, and the names and addresses of four references.

The complete file should be sent by e-mail to secretariat@eurecom.fr with the reference: **SN/AF/MDCREV/072024**

For any question about the position please write to aurelien.francillon@eurecom.fr

About EURECOM

EURECOM is a major Engineering School and a Research Center in digital sciences founded in 1991 as a consortium in the international technology park of Sophia Antipolis. The IMT is a founding member of the GIE. Teaching and research activities are organized around 3 promising fields: digital security, communication systems and Data Science.

EURECOM has a staff of 150 (researchers and support teams) and welcomes 400 international students on the Campus Sophia Tech, the largest information science and technology campus of the region. EURECOM enjoys a privileged geographical environment on the French Riviera (Côte d'Azur), between sea and mountains, at the heart of a dynamic and multidisciplinary ecosystem that promotes high-level scientific and technological innovation.

Social advantages
- International and multicultural environment
- Attractive salary - Corporate saving plans
- Private retirement plan (executive, employer participation of 100%)
- Employee profit sharing policy
- Company health insurance (mutuelle) with high levels of guarantees for the whole family (employer participation of 60%)
- Restaurant vouchers (employer contribution of 60%)

EURECOM is one of Europe's leading engineering schools specializing in digital technologies. It is located in the heart of the Côte d'Azur, in Europe's Silicon Valley (Tech Park Sophia-Antipolis). EURECOM's research teams work in an international, multicultural environment.

EURECOM has a dynamic policy in terms of **inclusion and quality of life at work**. We are committed to diversity and give equal consideration to all applicants, without discrimination. Above all, we look for competence and team spirit.

All our positions are open to **people with disabilities**. EURECOM has set up a disability advisor to provide support and advice, organize accommodation and make positive commitments to personal integration.

As part of its **gender equality plan**, EURECOM encourages gender diversity within its teams. As part of our gender equality action plan, we encourage male applications for administrative positions, traditionally held by women, and female applications for IT and research positions, traditionally held by men.

EURECOM is taking positive action as part of its **CSR policy**. A CSR representative oversees EURECOM's CSR and energy transition policies (electric charging stations, solar panels, waste sorting, etc.).

Web site EURECOM: https://www.eurecom.fr/fr/eurecom/presentation
EURECOM in VIDEO: https://www.youtube.com/watch?v=uIlFcgNijnM
Employee experience:
https://www.youtube.com/watch?v=gITWTVRgLpc
https://www.youtube.com/watch?v=BHv9zIduzuQ
https://www.youtube.com/watch?v=hvbzzCBups8