**PHD POSITION IN SECURITY AND PRIVACY FOR BIG DATA**

The Digital Security Department of EURECOM, Sophia-Antipolis France, invites applications for a PhD position. More details about the position can be found below.

***Topic***

The recent technology developments enable millions of people to collect and share data on a massive scale. Such data allow to derive relevant information about people through advanced analytics such as statistical analysis or machine learning. The analytical findings can help companies improve their customer services, or hospitals identify patterns based on patients’ historical data and come up with early treatments. Unfortunately, this new data collection paradigm raises serious privacy concerns mainly because of the high sensitivity of the collected data. Therefore, there is a strong need for protecting the systems collecting and processing/mining this large amount of data and keeping these data confidential against unauthorized parties. The successful candidate will study the privacy and security challenges associated with Big Data applications and design and evaluate customized privacy preserving and security primitives that will on the one hand protect the confidentiality of the data and on the other hand enable data centers to process the encrypted data.

**Requirements***

Applicants should hold a Master degree or equivalent in Computer Science or a closely related area. Applicants should have a very good analytical skills. Some background in applied cryptography and/or machine learning is appreciated. The working language in the group is English.

The application requires, among other documents, a CV, a cover letter describing the applicant’s research interests, the names of 2/3 persons that can provide references about the candidate and the transcripts of courses taken at graduate (and optionally undergraduate) level.

Applicants are invited to send their applications via e-mail under reference PhDPRIVACY to melek.onen@eurecom.fr. Applications will be accepted until the position is filled.

***About EURECOM***

EURECOM is a graduate school and a research center in communication systems located in Sophia Antipolis, a vibrant science park on the French Riviera. Founded by Institut Mines-Télécom, EURECOM’s consortium brings together renowned universities such as Télécom ParisTech, Télécom Bretagne, Télécom SudParis, Helsinki University of Technology-Aalto University, Politecnico di Torino, Technische Universität München (TUM), Norwegian University of Science and Technology (NTNU), Chalmers University of Technology (Sweden), and Czech Technical University in Prague (CTU) as well as industrial companies such as Orange, ST Microelectronics, BMW Group, Symantec, Monaco Telecom, SAP, IABG and the Principality of Monaco. EURECOM hosts one of the most established academic research activities in the field of security and privacy in Europe since more than 20 years.