PhD position (M/F) – PhD in analysis of smart / IoT/ wearable devices
(Reference: SN_AF_PhD_DAP_042017)

Research topics
Analysis of smart / IoT/ wearable devices and their privacy impact

Department
Digital Security

Publication date
6/4/2017

Start date
ASAP

Duration
Duration of the thesis

Description
Connected devices and wearable devices are collecting data, often through a smartphone, and then transmit this information to Cloud platforms. The goal of the ANR DAPCOS project is to analyse a representative set of applications and to evaluate the transparency and their privacy impact. The goal of this thesis is to focus on the devices themselves and to develop new analysis techniques for such embedded devices then to apply those techniques to the set of selected devices. For this the student will be able to rely on the experience built over the years on devices analysis in the S3 (Software and System Security) group at EURECOM. The PhD is fully funded and work will take place at EURECOM and will be in a collaborative project funded by ANR. The student is expected to have experience, interest in, or willingness to learn, embedded devices analysis, firmware analysis, reverse engineering.

The position will remain open until filled and can start ASAP. Applications will be processed starting from April 26th.

Requirements
Education Level / Degree: Master or engineer degree required
Field / specialty: computer science or Electrical Engineering
Fluent English,
Check recommendations for applicants:
http://www.s3.eurecom.fr/~balzarot/students.html

Application
The application must include (I, II and III):
   • I-Curriculum Vitae
   • II-Motivation letter of two pages also presenting the perspectives of research and education
   • III-Names and addresses of three references

Applications should be submitted by e-mail to aurelien.francillon@eurecom.fr with the reference SN_AF_PhD_DAP_042017

EURECOM specifically encourages women to apply with a view towards increasing the proportion of female researchers.
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