

**LCN 2016 Keynote**

**Wednesday, 9<sup>th</sup> November 2016**

## **30 years of Internet Security and the winner is ...**

**Dr. Marc Dacier**

Principal Scientist

Cybersecurity Group

Qatar Computing Research Institute & HBKU

Doha, Qatar

### **Abstract**

Thirty years ago, Brian Reid published an article in the Software Engineering journal entitled “Lessons from the Unix Break-ins at Stanford” [1]. Two years later, we experienced the first major outbreak of the Internet with the so-called Morris worm that was using vulnerabilities that had been publicly reported but not fixed. These were the early days. Such errors were understandable. But have things really changed? In this talk, we will look at some of the past issues that we had to deal with, the lessons learned and, more importantly, the still ongoing plagues that we deal with on a daily basis. The talk will also look at emerging technologies from a security point of view. Are they going to help us, with respect to security issues, or at the contrary are they going to make things worse?

[1] Reid, B. (1986, October). Lessons from the UNIX Break-ins at Stanford. ACM SIGSOFT Software Engineering Notes, 11(5), 29-35.

### **About the Speaker**

Since September 2014, Marc Dacier, Ph.D., is leading the growing Cybersecurity Group at the Qatar Computing Research Institute (QCRI/HBKU). Dr. Dacier holds a PhD from the INPT, France, obtained in 1994 after 3 years at LAAS-CNRS. After one year as a security consultant in Paris, France, he joined IBM Research in Zurich, Switzerland to create the Global Security Analysis Laboratory. In 2002, he left IBM to become a professor at Eurecom, France. In 2008, he left Eurecom to join Symantec to build its European Research Labs and manage all the ongoing collaborative research projects, worldwide. He spent 2 years in the USA while in that role. An internationally recognized expert in cybersecurity, Dr. Dacier has served on more than 60 program committees of all major security and dependability conferences and as a member of the editorial board of several technical journals.