

2nd IEEE European Symposium
on Security and Privacy
Workshops and Affiliated events
26 - 30 April, 2017

A Travel Report by *Romina MUKA*



Paris, France



April 26-28, 2017 in Paris, France

2nd IEEE European Symposium on Security and Privacy

Since 1980, the IEEE Symposium on Security and Privacy has been the premier forum for presenting developments in computer security and electronic privacy, and for bringing together researchers and practitioners in the field. Following this story of success, IEEE initiated the European Symposium on Security and Privacy (EuroS&P), which is organized every year in a European city. The 2nd EuroS&P edition was held on April 26-28, 2017 in Paris at UPMC Campus Jussieu, which is located right in the center of Paris, about 10 minutes' walk from Notre Dame.

I was selected as one of the recipients of the EuroS&P Student Volunteer Grants, so COINS Research School covered my travel expenses. The conference included papers offering novel research contributions in any aspect of security or privacy. Papers presented advances in the theory, design, implementation, analysis, verification, or empirical evaluation and measurement of secure systems. There were also papers that shed new light on past results by means of sound theory or thorough experimentation.

The first day began with opening remarks, continued with the first presentation by Timothy Trippel, University of Michigan and ended with best paper award ceremony and reception and poster session at 21:00. The presentations were distributed in four sessions, separated with coffee breaks: Side Channels, Protocol Security, Applied Cryptography and Malware. This was a very exciting and productive day for me, since I had the chance to meet and share ideas with Kevin Fu, one of the Top Influencers in Health Information Security (my PhD research area). Prof. Fu is credited for establishing the field of medical device security.

The following day started with a special keynote by Dan Boneh, Stanford University. We already asked about Crypto 2! This day had very interesting presentations, distributed into three sessions: Systematization, Privacy-preserving Systems, and Web Security and Privacy. It continued with lots of excellent short talks and it concluded with a business meeting. The banquet was held at Les Salons Hoche, a very fancy restaurant located in Champs Elysees.

On the last day sessions continued, touching upon on Human Aspects of Security and Privacy, Secure Messaging and Mobile Security, System Security and Network Security. For more information regarding the full program, you may visit the conference website: <http://www.ieee-security.org/TC/EuroSP2017/program.php>.



April 29-30, 2017 in Paris, France

EuroS&P Affiliated & Collocated Events

April 26-28 was right before EUROCRYPT 2017, which was also in Paris. Some affiliated events were organized jointly with EUROCRYPT on April 29-30, 2017, also at UPMC Campus Jussieu. Each affiliated event provided a forum to address a specific topic at the forefront of security or cryptography research. This included workshops, tutorials, etc. that can be annual events, one time events, or aperiodic.

Some of these parallel events, distributed during the whole weekend, were as following:

CrossFyre – Cryptography, Robustness, and Provably Secure Schemes for Female Young Researchers

EuroUSEC – European Workshop on Usable Security

cataCRYPT – catastrophic events related to CRYPTography and security with their possible solutions

IMPS – Innovations in Mobile Privacy and Security

S4CIP – 2nd Workshop on Safety & Security aSSurance for Critical Infrastructures Protection

QsCI – Quantum-safe Crypto for Industry (RISQ)

SEMS – Security for Embedded and Mobile Systems

WCS – Second Workshop on Communication Security

CFRG – Crypto Forum Research Group

FewMul: Fewer Multiplications in Cryptography - From Theory to Applications

etc.

CrossFyre was of particular interest to me, since I was one of the speakers during this workshop. This was the seventh edition of the International Workshop on Cryptography, Robustness, and Provably Secure Schemes for Female Young Researchers (CrossFyre). The CrossFyre Workshop aims to bring female researchers in the field of Cryptography and Information Security together to promote their research topics and careers as women in Computer Science and Engineering. I was very encouraged to start a tighter cooperation with other women I met there, and we also discussed for joint papers.

The workshop included keynote talks, fellow researchers introducing themselves (selected fields in cryptography, security, robustness, provable security, etc. were briefly outlined), a plenary discussion on positions and perspectives of women in research and gender stereotypes, and finally a social dinner. This workshop aimed to bring women together to discuss their career opportunities, network, and exchange experiences. The workshop did NOT intend to discriminate men. Male researchers attended the workshop too.

For more information about the program, you can visit the workshop website:
<http://crossfyre17.gforge.inria.fr/Program2017.html>

Concluding Remarks

During coffee breaks between every session I met a lot of people with similar interests like me, but only two of them were also doing research close to the field of my research, both looking at security solutions for medical devices. It provided me a chance to communicate with these researchers, and others about what I am doing and how we can learn from each other.

Overall the EuroS&P 2017 conference and its affiliated events had very relevant presentations and really motivated my PhD work. I got to meet old and new friends within cryptography, from Norway and outside it, and I also got to discuss some important problems within my research with one of the top researchers in medical device security, Professor Kevin Fu, who gave a lot of new ideas and approaches that will help me a lot in my work. I also invited him to make a visit to NTNU, and he promised he would take it into consideration. If it would be possible, the idea of a workshop would be a great opportunity for NTNU to discuss security on medical devices on a wider perspective, with prof. Kevin Fu being an honored guest lecturer. It is definitely one of the most social conferences I have been to, and I would strongly recommend anyone who gets the opportunity to attend it and enjoy every second of it.

I am deeply grateful for COINS supporting me to go to this event!



1- Me and Kevin Fu. 2- Ashish Rauniyar (University of Oslo) and me. 3- Christopher Carr (NTNU), me and Ashish Rauniyar funded by COINS Research School.