

## FDTC 2019: Final Program (PDF)

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08:45 – 09:05      Registration

09:05 – 09:15      Opening remarks

### **Session 1 – Electromagnetic Fault Injection**

*Chair: Falk Shellenberg*

9.15 – 9:45      Precise spatio-temporal electromagnetic fault injections on data transfers  
*Alexandre Menu, Shivam Bhasin, Jean-Max Dutertre, Jean-Baptiste Rigaud and Jean-Luc Danger*

9:45 – 10:15      Electromagnetic fault injection: how faults occur  
*Mathieu Dumont, Philippe Maurine and Mathieu Lisart*

10:15 – 10:45      Morning break

### **Session 2 – Fault Attacks and Countermeasures**

*Chair: Victor Lomnè*

10:45 – 11:15      Persistent fault analysis of OCB, DEOXYS and COLM  
*Michael Gruber, Matthias Probst and Michael Tempelmeier*

11:15 – 11:45      Hardware-oriented algebraic fault attack framework with multiple fault injection support  
*Mael Gay, Tobias Paxian, Devanshi Upadhyaya, Bernd Becker and Ilia Polian*

11:45 – 12:15      Analyzing software security against complex fault models with frama-C value analysis  
*Johan Laurent, Christophe Deleuze, Vincent Beroulle and Florian Pebay-Peyroula*

12:15 – 13:15      Lunch

### **Keynote Talk I**

*Chair: Johann Heyszl*

13:15 – 14:00      Design considerations for executing multiple distrusting applications on a secure RISC-V processor  
*Joel Wittenauer*

### **Session 3 – Physical Attacks**

*Chair: Luca Breveglieri*

14:00 – 14:30      LLFI: lateral laser fault injection attack  
*Joaquin Rodriguez Carunchio, Alex Baldomero Marin, Victor Montilla Gispert and Jordi Mujal*

14:30 – 15:00      RAM-jam: remote temperature and voltage fault attack on FPGAs using memory collisions  
*Md Mahbub Alam, Shahin Tajik, Fatemeh Ganji, Mark Tehranipoor and Domenic Forte*

15:00 – 15:30      Afternoon break

**Keynote Talk II**

*Chair: Colin O'Flynn*

15:30 – 16:15      It's all nice, but can we trust the hardware?  
*Daniel Genkin*

**Rump Session**

*Chair: Guido Bertoni*

16:15 – 16:45      for contributions use this form or contact TPC chairs

16:45 – 17:00      Closing remarks and Farewell