# SEFUW: SpacE FPGA Users Workshop, 5th Edition

## Tuesday 17 March 2020

**Fault Tolerance Methodologies and Tools - Newton 1 and 2 (15:00 - 16:30)**

| time | [id] title | presenter |
|---|---|---|
| 15:00 | [7] Automation of achieving Functional Safety and Highly Reliable Design | Mr JACOBSOHN, Philipp |
| 15:20 | [27] Harsher-than-space: Fault injection and user-based RHBD in the age of rad-tolerant and rad-hard devices | GUZMÁN-MIRANDA, Hipólito |
| 15:45 | [37] VeriPy: A Python Framework for the analysis and mitigation of soft-errors effects in SRAM-based FPGAs | Dr DE SIO, Corrado |
| 16:00 | [38] Accurate Estimation of NXmap Circuit Performance and Reliability by Static Analysis and Simulation | Prof. STERPONE, Luca |
| 16:15 | [44] New extensions for the LEON2FT IP core | Dr DANEK, Martin |

# Wednesday 18 March 2020

**Fault Tolerance Methodologies and Tools - Newton 1 and 2 (09:00 - 10:30)**

| time | [id] title | presenter |
|---|---|---|
| 09:00 | [45] Webex session: Methods for Mission-Critical Survivability Analysis | Ms BERG, Melanie |
| 09:50 | [13] Methodologies and tools to efficiently perform fault campaigns to measure functional safety | Mr RICHTER, Joerg |
| 10:10 | [23] Configuration Memory Scrubber for the Xilinx Zynq-7000 FPGA based on a 2D coding scheme | PSARAKIS, Mihalis |

# Thursday 19 March 2020

**Fault Tolerance Methodologies and Tools - Newton 1 and 2 (10:00 - 10:50)**

| time | [id] title | presenter |
|---|---|---|
| 10:00 | [30] Fault tolerance analysis of iterative processing data-paths | Dr AMARICAI, Alexandru |
| 10:25 | [12] Radiation tolerant CAN controller for Xilinx FPGAs | VOIGT NESBO, Simon |