Session Program

Nov 12 – 16, 2018

SERESSA International School 12-16 Nov. 2018

Mitigation and Hardening

ESA/ESTEC, Newton 1-2
Keplerlaan 1, 2200 AG Noordwijk The Netherlands

Mon, November 12

5:00 PM

6:00 PM

Mitigation and Hardening

Session | **Location:** ESA/ESTEC, Newton 1-2, Keplerlaan 1, 2200 AG Noordwijk The Netherlands

5:00 – 6:00 PM **EEE Parts in the New Space Paradigm**

Speaker

Mr Kenneth LaBel

Tue, November 13

9:30 AM

Mitigation and Hardening

Session | **Location:** ESA/ESTEC, Newton 1-2, Keplerlaan 1, 2200 AG Noordwijk The Netherlands

9:30 – 10:30 AM **Radiation Effects Hardness Assurance for space mission**

Speaker
Dr Stephen Buchner

11:00 AM – 1:00 PM **System Hardening and Real Applications**

Speaker
Mr Michel Pignol

1:00 PM

Wed, November 14

9:30 AM

Mitigation and Hardening

Session | **Location:** ESA/ESTEC, Newton 1-2, Keplerlaan 1, 2200 AG Noordwijk The Netherlands

9:30 – 10:30 AM **Mitigation in ASICs and FPGAs**

Speaker
Mr Agustin Fernandez-Leon

11:00 AM – 12:00 PM **New Developments in FPGA: SEUs and Fail-Safe Strategies**

Speaker
Mrs Melanie Berg

12:00 – 1:00 PM **Development of a Hardened 150nm Standard Cell library**

Speaker
Joao Baptista dos Santos

1:00 PM

Thu, November 15

11:00 AM

Mitigation and Hardening

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11:00 AM – 12:00 PM

Automotive safety challenges based on AEC Q100 / ISO 26262 requirement

Speaker
Sung Chung

12:00 – 1:00 PM

New Paradigm of error correction used for reliable embedded memories in aerospace applications

Speaker
Dr Fakhreddine Ghaffari

2:30 – 3:30 PM

Solar Cells

Speakers
Dr José Ramón González, Dr Carsten Baur

3:30 PM