ESA-CNES Final Presentation Days 2013

Programme - Wednesday 5th June 2013

Conference Room: Newton 2

Time	Speaker	Organisation	Title
9:30 Welcome			
9:40	Matthieu CAUSSANEL	Perpignan University	**Radiation-induced attenuation on commercial optical fibers.**
10:00	Cédric VIRMONTOIS, Alain BARDOUX	CNES	**Space Radiations Induced Permanent and Single Event Effects in 4Mpixel global pipelined shutter CMOS Image Sensors**
10:20	Christelle DENEAU	IES – Montpellier University	**Calibration of the OSL sensors and feasibility study of a new generation dosimeter**
10:40-10:55 Question time / Coffee Break			
10:55	Emma MARTIN	CNES	**Space Radiation Induced Dark Current Degradation in 5T Pinned Photodiode 0.18 µm CMOS Image Sensors**
11:15	Anne SAMARAS	TRAD	**Linear integrated circuit cumulated dose test representativeness for high energy electron environment applications**
11:35-11:50 Question time / Coffee Break			
11:50	Athina VAROTSOU	TRAD	**Shielding Geometry Effect on SEE Prediction Using the New OMERE Release: JASON-2 Mission Case Study**
12:10	Anne SAMARAS	TRAD	**Single event upset cross section dose dependence on 90nm SRAM**

Lunch 12:30-13:30

Time	Speaker	Organisation	Title
13:30	Aleksandar Jaksic	Tyndall	**Recent results on Radfets at various dose rate**
13:50	Gonzalo Fernandez Romero	Alter Spain	**TID test results on linear devices 36 versus 360rad/h**
14:05	Gonzalo Fernandez Romero	Alter Spain	**Radiation tests under controlled temperature and vacuum conditions: why and how**
14:15-14:30 Question time / Coffee Break			
14:30	Anne Samaras	TRAD	**Radiation results on optocouplers: TID, proton and neutron induced DD, proton induced SETs**
14:55	Anne SAMARAS	TRAD	**TID characterisation of power-up behaviour for FPGAs**
15:10	Dominique Hervé	SODERN	**SEE, TID and DD results on Onsemi HAS2 APS**
15:40	François-Xavier Guerre	HIREX	**New version of the SEU monitor**
15:55-16:10 Question time / Coffee Break			
16:10	Athina VAROTSOU	TRAD	**TID and SEE characterisation of 40MHz CFPT9006 oscillator from Rakon**
16:20	Andrew Chugg	MBDA	**Laser SEE test results on linear ICs and photodiode**
16:40	Gianluca Furano	ESA ESTEC	**Radiation tests of COTS components in ESA – TI CAN transceiver and Telefunken POL**

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Programme - THURSDAY 6th June 2013

Conference Room: Newton 2

Time	Speaker	Organisation	Title
9:30	Patricia Gonçalves	LIP	**Characterisation of RADFET dosimeters**
9:45	Gonzalo Fernandez Romero	ALTER	**400 Krad TID test results on parts used in power systems for JUICE**
10:05	Mark Robbins	SSTL	**Displacement Damage Test Guideline for imagers (CCP, APS, and IR imager arrays)**
10:25	Mirko Rostewitz	TESAT	**Single Event Effect Anaysis on DC and RF operated AlGaN/GaN HEMTS**
10:45 – 11:00 Question time / Coffee Break			
11:00	Aminata Carvalho, Christian Binois	EADS-Astrium Elancourt	**Statistical SEGR radiation test method study in power MOSFETs**
11:20	Arto Javanainen	Jyväskylä Univ. (RADEF)	**SEGR study - Effects of ion species, energy and oxide thickness**
11:40-11:55 Question time / Coffee Break			
11:55	Ari Virtanen	Jyväskylä Univ.	**RADEF irradiation test facility status report**
12:05	Marc Loiselet	Univ.Catholique de Louvain	**UCL irradiation test facility status report**
12:15	Wojtek Hajdas	Paul Scherrer Inst.	**PSI irradiation test facility status report**

Lunch 12:30-13:30

Time	Speaker	Organisation	Title
13:30	Marta Bagatin	Univ. Padova	**Studies of radiation effects in new generations of non-volatile memories**
13:55	Kai Grürmann, Martin Herrmann, Fritz Gliem, Hagen Schmidt	IDA & EADS-Astrium	**Radiation Testing Of Candidate Memory Devices, DDR3 and NAND-Flash**
14:20	C. Poivey	ESA	**Displacement Damage Testing of Linear Devices For ESCC Test Guidelines Definition**
14:35 -14:50 Question time / Coffee Break			
14:50	Sophie Duzellier	ONERA	**Dose Rate Effect on Bipolar Circuits Degradation**
15:10	Marco d'Alessio	ESA	**Analysis of the TDM and DLR Phoenix GPS flight data on Proba2**
15:30-15:45 Question time / Coffee Break			
15:45	Ana Keating	LIP	**Presentation of the CODES simulation tool**
16:05	Alessandra Costantino	ESA ESTEC	**Proton and Co60 radiation test data in recent COTS and radiation-tolerant optocouplers**