

QCA Presentation Day 26/01/2000 - Agenda I.

- 09:30h Welcome and Overview – *ESA/ESTEC, Reno Harboe Sørensen*
- 09:40h Heavy ion SEE testing of RH119 “Dual Voltage Comp.” for XMM.
HIREX Engineering, France - Francois-Xavier Guerre
- 10:00h Radiation Pre-Evaluation of FPGA.
Saab Ericsson Space, Sweden – Stanley Mattsson
- 10:45h **Coffee**
- 11:00h Radiation Testing of 2-D Imaging Detectors and ADC's.
SIRA Electro-Optics, U.K. – Gordon R. Hopkinson
- 11:55h Radiation Pre-Screening of High-Resolution High-Speed ADC's.
HIREX Engineering, France – F.-X. Guerre/J.-F. Pascal
- 12:45h Radiation Evaluation of CS 5508, a 20-Bit ADC from Crystal Sem.
SRI/Austrian Academy of Science, Austria – Amira Omerbegovic



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- 13:00h **Lunch Break**
- 14:00h Study of Radiation Effects in Cryogenic Electronics and Advanced Semiconductor Materials
IMEC, Belgium – Cor Claeys/Eddy Simoen
- 14:50h Radiation Evaluation of Power MOSFET Devices from Different European Manufacturer.
HIREX Engineering, France – F.-X. Guerre/J.-F. Pascal
- 15:35h **Coffee**
- 15:50h Proton Testing of the PROBA Star Tracker.
Technical University of Denmark – Gøsta Thuesen
- 16:05h Proton Irradiation Facility at PSI, 1999-2000.
Paul Scherrer Institute, Switzerland – Wojtek Hajdas



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QCA Presentation Day 26/01/2000 - Agenda III.

QCA Presentations:

- 16:20h Radiation SEE Characterization and Comparison of Analog Devices
ADSP21020, LMFS RH21020 and TEMIC TSC21020F.
ESTEC, TOS- QCA/ETD - Reno Harboe Sørensen/Philippe Armbruster
- 16:40h Study of Proton Irradiation Effects in InGaAs laser and Photodiodes.
ESTEC, TOS- QCA - Claire Garden/Ali Mohammadzadeh
- 16:55h ESA Radiation Data Base
ESTEC, TOS- QCA - Ralf de Marino/Ali Mohammadzadeh
- 17:10h 1999 Upgrade of the Co-60 TID Facility at ESTEC
ESTEC, TOS- QCA - Bob Nickson
- 17:20h QCA Year 2000 - Ongoing/New Radiation Activities
TOS- QCA/ETD - Ralf de Marino/Reno Harboe Sørensen
- 17:35h End of Presentation Day



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Final Reports - 26/01'00 Transparencies:

http://www.estec.esa.nl/qcswww/tos_qca/

P. No	Subject	Re-ports	Trans p.	P. No	Subject	Re-ports	Trans p.
01	RH119	1	-	08	Star Tracker	-	-
02	FPGA	3	-	09	PSI	1	-
03	2-D/ADC's	-	-	10	21020 DSP	-	Y
04	14-Bit ADC's	6	-	11	InGaAs Laser	-	Y
05	CS5508	2	Y	12	Data Base	-	Y
06	Cryogenic	-	Y	13	Co-60	-	Y
07	P-MOSFET	25	-	14	QCA 2000	-	Y



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