



A D V A N C E I N V I T A T I O N

To the 6th

D/TOS-QCA Final Presentation Day 2004.

ESA/ESTEC, Noordwijk, The Netherlands

Tuesday May 11th, 2004 - Room Fresnel I/II (Eb106), Starting 09:30.

Dear colleagues,

As in previous years we are pleased to invite you and your representatives to this round of presentations reporting on the results of radiation studies and tests recently performed under QCA contracts. Participation is open to ESA and non-ESA staff. Please register with the ESA/ESTEC Conference Bureau at your earliest convenience.

Tentative Programme:

09:30h Welcome and Overview (final agenda)

Reno Harboe Sørensen

09:40h SEE Test on Actel RT54SX32-S FPGA Using Frequency Count Test Method.

Final Presentation of ESTEC Contract No. 11407/95/NL/MV, CCN-5, COO-5/II.

Saab Ericsson Space, Sweden – Stanley Mattsson

09:50h Heavy Ion SEE Verification Tests on RH1011 Comparator, UC1901 Feed-Back Generator, UC1823 and UC1844A PWM Controllers using ROSETTA designs.

Final Presentation of ESTEC Contract No. 13528/99/NL/MV, COO-11.

HIREX Engineering, France - Francois-Xavier Guerre

10:05h Study of RadFET Sensitivity - Dependency on Proton Energy.

Final Presentation of ESTEC Contract No. 10582/93, COO-46.

NMRC, Ireland – Aleksandar Jaksic

10:35h Heavy Ion Transient Effects in Operational Amplifier types: LM124, RH1014 and OP27.

Final Presentation of ESTEC Contract No. 11407/95/NL/MV, CCN-5, COO-5/II.

Saab Ericsson Space, Sweden – Sture Larsson

10:55h Coffee

*European Space Agency
Agence spatiale européenne*

ESTEC

Postbus 299 - NL 2200 AG Noordwijk - Keplerlaan 1 - NL 2201 AZ Noordwijk ZH -
Tel. 31-(0)71-5653883 Fax 31-(0)71-5656637

- 11:10h Influence of the Tilt Parameter During SEE Characterization with Heavy Ion Beams.**
Final Presentation of ESTEC Contract No. 13451/99/NL/MV, CCN-3, COO-4.
Université Catholique de Louvain, Belgium – Guy Berger
- 11:35h Heavy Ion Characterization of Atmel 1M-Bit EEPROM's, AT28C010 (Parallel) and AT17LV010 (Serial).**
Final Presentation of ESTEC Contract No. 13528/99/NL/MV, COO-14.
HIREX Engineering, France - Francois-Xavier Guerre
- 11:45h SEE Verification Tests of Unitrode and T.I. UCC1806 PWMs Using Application Test Conditions.**
TOS-EPC/QCA Support activity to various ESA projects.
ESA/ESTEC, TOS-EPC/QCA, NL – Sven Landstroem/RHS
- 11:55h Radiation Characterization of Advanced Submicron Devices.**
GSTP/ESTEC Contract No. 14924/00/NL/ND
IMEC, Belgium – Eddy Simoen
- 12:45h Lunch Break**
- 14:00h Radiation Evaluation of 16-Bit Analog-to-Digital Converters: Texas Instruments ADS8402, Analog Devices AD7677 and AD9260.**
Final Presentation of ESTEC Contract No. 13528/99/NL/MV, COO-15.
HIREX Engineering, France - Francois-Xavier Guerre
- 14:20h Heavy Ion Effects in Optocouplers.**
Final Presentation of ESTEC Contract No. 11407/95/NL/MV, CCN-5, COO-5/III.
Saab Ericsson Space, Sweden – Sture Larsson/Stanley Mattsson
- 14:40h TID and Displacement Damage Effects in CCD and APS Devices.**
Final Presentation of ESTEC Contract No. 14028/99/NL/MM, COO-5.
Sira Technology Ltd., UK – Gordon R. Hopkinson
- 15:10h Radiation Evaluation of Candidate Parts - PAL, SRAM and FLASH Types - for New VME Board.**
Final Presentation of ESTEC Contract No. 13528/99/NL/MV, COO-13.
HIREX Engineering, France – (F.-X. Guerre)/R. Harboe Sørensen

- 15:30h Coffee
- 15:45h TID and SET Evaluation of Parts for COROT and STEREO covering:
LM2953A, MAX892, TLC2262, ADP3300, ADG704 and ADG713.
TOS-QCA Support activity to Space Science.
ESA/ESTEC Space Science, NL – Bengt Johlander
- 16:05h SET Characterization of Parts for the ATV Project: IRFY140 Power
MOSFET, LM185 Voltage Reference Diode and SMFL2805S DC-DC
Converter.
Final Presentation of ESTEC Contract No. 13528/99/NL/MV, COO-16.
HIREX Engineering, France – Francois-Xavier Guerre
- 16:20h Co-60 Low Dose Rate Testing of LM137 for MetOp.
ESA/ESTEC, TOS-QCA – Bob Nickson/R. Harboe Sørensen
- 16:30h High Penetration Heavy Ions Available at the HIF/UCL.
Université Catholique de Louvain, Belgium – Guy Berger
- 16:40h Status of the Proton Irradiation Facility at PSI.
Paul Scherrer Institut, Switzerland – Wojtek Hajdas
- 16:50h The New ESA Sponsored RADEF Test Site at Jyväskylä – Status,
Schedule and Availability.
University of Jyväskylä, Finland – Ari Virtanen
- 17:00h Radiation Test-Bed for High Capacity Memory Components.
IDA, Braunschweig, Germany – Harald Michalik
Final Presentation of ESTEC Contract No. 11356/95/NL/FM, CCN-7.
- 17:15h End of the Technical Programme
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- 19:00h Start of Social Programme – Chinees-Indisch Restaurant

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De Grent 36, Noordwijk aan Zee