

QCA ACTIVITIES PLANNED FOR 2001 - TESTING

Indicative Programme : Actual Device Types Are tbd Or If Mentioned Are Subject To Change

Radiation Evaluation of COTS Devices, Phase 2 (Hirex (F))

Large Capacity Memories (SRAM, DRAM, Flash EEPROM)

Data Processing Support ICs (and UCC1844)

Radiation Pre-Evaluation of FPGA, Phase 4 (SES (S))

(Actel 54S... and other manufacturers)

3C91 Optocoupler for ENVISAT

16 Bit Analog to Digital Converters

LEON Xpress (Sparc V8 Demonstrator Design, Atmel - CNES - ESA)

SEE Testing for ROSETTA (e.g. RH1011, CLC501/505, UPC2712B,)

Memory Tester Development (IDA (D))

Photonics Test Bed Upgrade (SIRA (UK))

Characterisation of APS (IMEC/Fillfactory) & CCDs (Atmel, Marconi Applied Tech.)

& many more shows to be playing at our nearest, dearest HIF and PIF



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QCA ACTIVITIES PLANNED FOR 2001 - STUDIES

Utilisation of Pulsed Laser for SEE Testing (Hirex (F) & Matra BAe Dynamics (UK)) contin.

Influence of the Tilt Parameter during SEE Characterisation with Heavy Ion Beams (UCL (B))

Radiation Effects in Cryogenic Electronics & Advanced Semiconductor Materials, Ph.2 (IMEC (B))

RadFET Development and Characterisation (NMRC, IRL) { BIOPAN Experiment on FOTON }

Miniature Radiation Monitor (SENSYS (NL) // Matra BAe (UK))

SENSYS MRM prototype to fly on PROBA

Displacement Damage Study (to be placed)

Component Technology (Flight) Test Bed (in preparation)



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QCA ACTIVITIES PLANNED FOR 2001 - COLABORATIVE & SUPPORT TO R&D

Miniature SREM Development (with TOS-ESM, Contraves Space (CH))

Low Power, Radiation Tolerant Microelectronic Design Techniques (with TOS-ESM, ITT pending)

Mini DPU based on COTS (DSP 21060 ...) (with TOS-ETD under TRP, ITT pending)

Next Generation DSP for Space (with TOS-ETD under GSTP, ITT pending)

CHOCOLATE : Diode-Pumped Solid State Laser (with TOS-EEO under TRP, ITT pending)

New Technology and Component Developments in Atmel (with CNES)



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QCA ACTIVITIES PLANNED FOR 2001 - INSTRUMENTS / FACILITIES

SREM Batch Procurement : Completion and Associated Integration Support

Gammabeam at ESTEC : Now < 1000 Curie, Co60 Re-Load During the Year
Continuing Control Room and Test Support Improvements



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QCA ACTIVITIES PLANNED FOR 2001 - HOMEPAGE

<https://escies.org> => Enter => Public Area

Next Improvements :

Increase Update Frequency

Extend Data Base

Include Section's Terms of Reference (what we do ... for Projects ... for You)

Include Training Opportunities for YGTs and Stagiaires

Include Short Descriptions of Running and Planned Activities (new ITTs)

Include More Links to Other Sites of Interest

What We Would Like to Have

Is Your Feedback - Comments and Suggestions



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