

ISROS 2009

Chairmen: M.Vanzi, M.Zahir, L.Mondin,L.Bechou

Strain Estimation in III-V Materials by Analysis of the Degree of Polarization of Luminescence Daniel T. Cassidy et al.	Emitters	EM01	TUESDAY 12 AM
Highly-reliable pump laser diodes for space application Eckard Deichsel et al.	Emitters	EM02	TUESDAY 12 AM
Evaluation test of an industrial-qualified butterfly- packaged DFB laser as component suitable for space applications Sascha Tornow et al.	Emitters	EM03	TUESDAY 12 AM
Reliability evaluation for Blu-Ray laser diodes Matteo Meneghini et al.	Emitters	EM04	TUESDAY 12 PM
Reliability assessment of high power LEDs and IREDS for Optical Wireless Links for intra-Spacecraft communications (OWLS) H. Guerrero et al.	Emitters	EM05	TUESDAY 12 PM
HIGH POWER LASER DIODES : IMPROVEMENTS IN PERFORMANCE AND RELIABILITY Andreas Kohl et al.	Emitters	EM06	TUESDAY 12 PM
The interpretation of the DC characteristics of LED and laser diodes to address their failure analysis. Massimo Vanzi et al.	Emitters	EM07	TUESDAY 12 PM
New methodology for the assessment of the thermal resistance of laser diodes and light emitting diodes David Veyrie et al.	Emitters	EM08	THURSDAY 14 PM
Complex coupled DFB laser diodes at the cesium D1 transition of 894.6nm for atomic clock and spectroscopy applications Christian Zimmermann et al.	Emitters	EM09	THURSDAY 14 PM
Electro-optical Characterizations at the Emitter Level in Stacked Laser Diodes Bars for Space Applications Othman Rehioui et al.	Emitters	EM10	THURSDAY 14 PM
A New Early Detection Tool: Topography and Deformation Measurement as Reliability Indicator for Optoelectronics for Space Michael Hertl et al.	Emitters	EM11	THURSDAY 14 PM
Lifetime distribution estimation of Light emitting diode Yannick Deshayes et al.	Emitters	EM12	THURSDAY 14 PM

Chairmen H.Guerrero, J.P.David, S.Mariojouis,G.Hopkinson

Customized and highly reliable 8-channel phototransistor array for aerospace optical encoder M. Bregoli et al.	Photodetectors and receivers	DT01	WEDNESDAY 13 AM
Qualification of Italian 28% Efficient Triple Junction Solar Cells Roberta Campesato et al.	Photodetectors and receivers	DT02	WEDNESDAY 13 AM
Reliability assessment of medium/large area PIN Si photodiodes for Optical Wireless Links for intra-Spacecraft communications (OWLS) H. Guerrero et al.	Photodetectors and receivers	DT03	WEDNESDAY 13 AM
Proton irradiation of high efficiency crystalline solar cells Heinz-Christoph Neitzert et al.	Photodetectors and receivers	DT04	WEDNESDAY 13 AM
Reliability assessment of silicon based phototransistors arrays for space applications Gianandrea Quadri et al.	Photodetectors and receivers	DT05	WEDNESDAY 13 AM
Proton and gamma radiations effects on silicon photodiodes for space environments Guillaume Pedroza et al.	Photodetectors and receivers	DT06	WEDNESDAY 13 AM
New method for the prediction of Dark Signal Non Uniformity of proton-irradiated CCDs Olivier Gilard et al.	Imagers	IM01	WEDNESDAY 13 PM
QUALIFICATION OF THE "HAS" APS DETECTOR FOR SPACE Dirk Van Aken et al.	Imagers	IM02	WEDNESDAY 13 PM
Proton and g-Ray irradiation on Deep Sub-Micron Processed CMOS Image Sensor Cédric Virmondois et al.	Imagers	IM03	WEDNESDAY 13 PM

Chairmen: O.Gilard, M.Caussanel, P.Signoret, F.Svelto

Optical MEMS Reliability Assessment for Space Applications Gianandrea Quadri et al.	Optical Func	OF01	THURSDAY 14 PM
Procurement and qualification of optical components for space Fibre Optic Gyroscope application Sophie Rougelot et al.	Optical Func	OF02	THURSDAY 14 PM
RADIATION AND PERFORMANCE TESTING OF BUILT-IN-TEST ENABLED AEROSPACE TRANSCEIVER Chuck Tabbert et al.	Optical Func	OF03	THURSDAY 14 PM
Assessment of Commercial High Frequency Optical Intensity Modulators for Space Applications Arnaud Le Kernec et al.	Optical Func	OF04	THURSDAY 14 PM

poster session

Chairmen: S.Mariojouis L.Bechou

Vulnerability of Ytterbium-doped optical fibers for space missions S. Girard et al.		PST1	THURSDAY 14 PM
Annealing effects in GaAs/GaAlAs irradiated Vertical Cavity Surface Emitting Lasers Olivier Gilard et al.		PST2	THURSDAY 14 PM
Assessing the risk of mechanical failure in optoelectronic device assemblies Olivier Gilard et al.		PST3	THURSDAY 14 PM
Packaging and Assembly Qualification of IR LEDs and Phototransistors based devices for Space Applications. Paolo Greggio et al.		PST4	THURSDAY 14 PM
Evaluation of commercial silicon based photodiode arrays for optical angular encoders Claudia Caddeo et al.		PST5	THURSDAY 14 PM
A Physically-based Trijunction Solar Cells Degradation Prediction Method J.-P. David et al.		PST6	THURSDAY 14 PM
Prediction of solar cell behaviour for deep space missions. Samira Makham et al.		PST7	THURSDAY 14 PM
Trapped mobile charges effects on electro-optical performances in silicon phototransistors for space applications Piero Spezzigu et al.		PST8	THURSDAY 14 PM
FA and CA methodology for optoelectronic spatial devices: case studies overview Gérald GUIBAUD et al.		PST9	THURSDAY 14 PM
Spectral characterization of aged and non-aged 894 nm DFB for their application in Cs atomic clocks Florian Gruet et al.		PST10	THURSDAY 14 PM
Modeling of Narrow-Band Laterally-Coupled Distributed Feedback Lasers at 894 nm for Space Applications Antti Laakso et al.		PST11	THURSDAY 14 PM
Reliability of Al-free DFB laser diode for Cs pumping (852nm) C. Cayron et al.		PST12	THURSDAY 14 PM