

POSTER SESSION

Auxiliary Sensors

"In-flight Results Synthesis of up to 45 Sed16/26 Star Trackers" J. OUAKNINE, *EADS-SODERN*

"CCD Sun Sensors on board "Hinode" Solar Observatory" K. TSUNO, *NEC TOSHIBA*

"Solar Ecartometry Sensor with 1 Arcsec Resolution for the Picard Satellite" L. JOANNES, *Lambda-X*

"A Lateral Sensor for Formation Flying Derived from Hydra Star Tracker" L. BLARRE, *EADS-SODERN*

"Optical Contacting Technology and Applications Static Fourier Transform Spectrometer" Y. SALAUN, *Winlight Optics*

Cooling System

"On-chip Cooling for Detectors in Space Applications" J.H. DERKING, *University of Twente*

"Optimised Dilution Cooling for Longlife Missions" F. MARTIN, *Institut Néel CNRS-UJF*

Detectors & Electronics

"Status of Infrared Detectors Developments and Achievements in Space Environment" L. VIAL, *Sofradir*

"Electro Optical Characterization of VLWIR Detectors" H. GEOFFRAY, *CNES*

"Capabilities of Medipix2 and Timepix Devices as Detector for Lobster Eye X-Ray Optics" V. TICHY, *Czech Technical University*

"Test Campaign Results for the Engineering Model of the SAC-D/NIRST Radiometer" F. CHATEAUNEUF, *INO*

"Pleiades Focal Plane Technology Breakthroughs" I. TOUBHANS, *EADS-SODERN*

"Visible and near Infrared Detector for BepiColombo's Spectrometer VIH1" Y. HELLO, *Observatoire de Paris - LESIA/UMR CNRS*

Fiber

"Termination of PM Fibres & Fibre Cables for Space Application, using AVIM Connector Series" M. LUISONI, *Diamond SA*

"Enhanced-Low-Dose-Rate-Sensitivity of Erbium Doped Silica Optical Fiber" L. TROUSSELLIER, *Université Montpellier 2*

Fiber Optic Sensors

"Fibre-Optic Sensor Interrogation Unit as part of a Temperature Monitoring System for Telecommunication Satellites" L. HOFFMANN, *Technische Universität München*

"Fiber Bragg Grating Sensor Applications for Thermal Monitoring in Satellites" S. ABAD, *FiberSensing & Universidad Europea de Madrid*

Fiber Optics Communication

"Optical Telecommunication Payload : Mission Study and Optical Terminals Test Campaign" S. MOTTINI, *Thales Alenia Space*

Imagers

"Evaluation of COTS Micro-Cameras for Space Applications" S. PETIT, *CNES*

"Imaging Spectral Signature Instrument Airborne Campaign" U. KANTOJARVI, *VTT*

"Simulation of High Spatial Resolution Images for Urban Remote Sensing" S. DOZ, *ONERA DOTA*

"The Lightning Imager Feasibility for the Meteosat Third Generation"	L. GAMBICORTI, <i>CNR-INOA</i>
"Design and Concept of the Compact Infrared Camera (CIRC) with Uncooled Infrared Detector"	S.MASAHIRO, <i>Japan Aerospace Exploration Agency</i>
"EOS-C Camera : Pre-launch Performance Characterization"	Y-W CHOI, <i>Satrec Initiative</i>
"Pelican Multispectral Airborne System for Stereoscopic Earth Surface Imaging"	P.DELIOT, <i>ONERA</i>
"Small Baseline Stereovision, Data Acquisition and Applications"	J-M. DELVIT, <i>CNES</i>
"In Situ Imaging of Airborne Ice Crystals using Digital Inline Holography"	S.M.F. RAUPACH, <i>Institute of Atmospheric Physics - University of Mainz</i>
"Unmanned Aerial Vehicle Payload for Earth Observation"	D. BEGHUIN, <i>Lambda-X</i>
"A Mission Concept and System Requirements for Optical Sensor on Board Next-generation Disaster Monitoring Satellite"	Hiroko IMAI, <i>Japan Aerospace Exploration Agency</i>
Innovative Telescopes	
"The Stratospheric Observatory for Infrared Astronomy (SOFIA)"	R. D. GEHRZ, <i>University of Minnesota</i>
"Lobster Eye Optics for Space Applications : Recent Status"	R. HUDEC, <i>Astronomical Institute - Academy of the Sciences of the Czech Republic</i>
"Optical Design for Pilot : A SUBMM Balloon-Borne Experiment for Polarization Measurements"	C. ENGEL, <i>Centre d'Etude Spatiale des Rayonnements</i>
"The Tauvex UV Space Telescope on a Geosynchronous Satellite"	J. TOPAZ, <i>Elbit Systems Ltd</i>
"From Ground Tests to In-Flight Performances for the Optical Instrument of the Pilot Balloon-Borne Experiment"	C. ENGEL, <i>Centre d'Etude Spatiale des Rayonnements</i>
"High Resolution Imaging using Nonlinear Optics for Spectrum Translations : First Promising Results with a Two Telescope Array"	F. REYNAUD, <i>XLIM, UMR CNRS</i>
Instruments and Metrology	
"The Fluid Science Laboratory on Board the Columbus Module of the International Space Station with the Geoflow Experiment"	A. ZUCCARO MARCHI, <i>CNR-INOA</i>
"Pico Meter Metrology for GAIA Mission"	R. VINK, <i>TNO Science and Industry</i>
"On the Development of a Single Photon Counting Laser Altimeter"	S. HANNEMANN and S. KRAFT, <i>Cosine Research BV</i>
Lasers	
"Radiation Sensitivity of Ytterbium and Erbium based Frequency Combs"	M. PLATTNER, <i>Technische Universität München</i>
"Benefits of Individual Emitter Electro-Optical Characterizations in Packaged High Power Laser Diode Bars for Space Applications"	O. REHIOUI, <i>Quantel Laser Diode, Laboratoire IMS</i>
"Toward a Compact Optical Bench for Laser Cooling"	D. HOLLEVILLE, <i>SYRTE</i>
"DFB at 852NM:Narrow Linewidth and Saturation Spectra"	V. LIGERET, <i>Alcatel Thales III-V Lab, SYRTE</i>
"Powerful CW MID-IR Source Based on Intra-Cavity Difference-Frequency Generation"	S. BARTALINI, <i>INOA</i>
"High Power Laser Diodes : Performance and Reliability"	G. VOLLUET, <i>Quantel Laser Diodes</i>
Lidars	

"Laser Induced Contamination Testing for ESA Space based Lidar Missions"	G. TZEREMES, <i>Opto-Electronics Section ESA-ESTEC</i>
"Mobile Raman Lidar System for Aerosol Characterization & Validation of Satellite Lidar Missions"	G. TZEREMES, <i>Opto-Electronics Section ESA-ESTEC</i>
LISA	
"Design and Qualification of the Piezo Actuated Optical Delay Line for Lisa-Pathfinder-LTP"	R. LE LETTY, <i>Cedrat Technologies</i>
Manufacturing and Control	
"OPSYS: The Optical Payload Systems Facility for Stray-light Tests and Calibrations"	L. ZANGRILLI, <i>INAF</i>
Optical Components	
"Optical Contacting Technology and Applications Slicer Manufacturing"	Y. SALAUN, <i>Winlight Optics</i>
Optical Filters	
"Innovative Design of EUV Multilayer Reflective Coating for Improved Spectral Filtering in Solar Imaging"	M. SUMAN, <i>Engineering Department University of Padova, LUXOR Laboratory</i>
"Design of A-Periodic Broadband Multiplayers for X-Ray Astronomy"	M. SUMAN, <i>Engineering Department University of Padova, LUXOR Laboratory</i>
"Study of Ageing of Ion Assisted Deposited Multiplayer Components for Chemcam Instruments of Spectroscopic Analysis on Mars"	N. VALETTE, <i>CILAS</i>
Spectrometers	
"Spectrometers and Imaging Cameras for Planetary Remote Sensing"	G. PRETI, <i>SELEC Galileo</i>
"Hyperspectral Instruments for Earth Observation"	G. PRETI, <i>SELEC Galileo</i>
"Three Reflective Spectrometers of New Conception"	F. SIMONETTI, <i>CNR-INOA</i>
"A New Methodology for Sun-induced Leaf Fluorescence Retrieval from Space in the Atmospheric O ₂ Absorption Bands"	M. MAZZONI, <i>Consiglio Nazionale delle Ricerche</i>
"An Imaging Heterodyne Fourier Transform Spectrometer for Planetary Exploration"	C. DAMIANI, <i>LESIA</i>
"Static Fourier Transform Spectrometer Breadboard dedicated to Atmospheric Sounding Implementation of a Specific Component : a Modulating-Compensating Plate"	A. LACAN, <i>CNES</i>
"A Novel Hyperspectral Device without Moving Parts"	M. PISANI, <i>INRIM</i>
Technologies in Telescopes	
"Alternative Materials for Producing of New Light Weight X-Ray Optics"	M. SKULINOVA, <i>Czech Technical University</i>
"Development of Joining Technology of High-Strength Reaction-Sintered Silicon Carbide for Optical Mirror"	K. TSUNO, <i>NEC TOSHIBA</i>
"A Large Aperture, Ultra-light Focusing Device, with Released Manufacturing Constraints"	C. DUPUY, <i>CNES</i>
"High Performance Reflective Mirrors on Silicon Carbide for GAIA Telescope"	G. LAGIER, <i>CILAS</i>