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**William C. Danchi
Françoise Delplancke
Jayadev K. Rajagopal**
Editors

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- 7734 19 **PSF and field of view characteristics of imaging and nulling interferometers** [7734-44]
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- 7734 22 **First results from fringe tracking with the PRIMA fringe sensor unit** [7734-73]
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(Germany); T. Phan Duc, European Southern Observatory (Germany); N. Schuhler, European Southern Observatory (Chile); G. van Belle, European Southern Observatory (Germany)

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- 7734 25 **Multi-axial integrated optics solution for POPS, a 2nd-generation VLTI fringe tracker** [7734-77]
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F. Malbet, Lab. d'Astrophysique de Grenoble, Univ. Joseph Fourier, CNRS (France); M. Benisty, INAF, Osservatorio Astrofisico di Arcetri (Italy); C. Dougados, Lab. d'Astrophysique de Grenoble, Univ. Joseph Fourier, CNRS (France); A. Natta, INAF, Osservatorio Astrofisico di Arcetri (Italy); J.-B. Le Bouquin, Lab. d'Astrophysique de Grenoble, Univ. Joseph Fourier, CNRS (France); F. Massi, INAF, Osservatorio Astrofisico di Arcetri (Italy); J. Bouvier, Lab. d'Astrophysique de Grenoble, Univ. Joseph Fourier, CNRS (France); K. Grankin, Crimean

Astrophysical Observatory (Ukraine); M. Bonnefoy, E. Whelan, Lab. d'Astrophysique de Grenoble, Univ. Joseph Fourier, CNRS (France)

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de la Côte d'Azur (France); Z. Sodnik, European Space Research and Technology Ctr. (Netherlands)

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- 7734 2F **Estimating the phase in interferometry: performance comparison between multi-mode and single-mode schemes** [7734-87]
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- 7734 2J **Spectral regularization and sparse representation bases for interferometric imaging** [7734-91]
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- 7734 2M **PERSEE: experimental results on the cophased nulling bench** [7734-95]
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- 7734 2Q **Coherent integration results from the NPOI** [7734-99]
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- 7734 2R **Toward the stability required for direct observations of exoplanets with nulling interferometry** [7734-100]
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- 7734 2S **Development of a statistical reduction method for the Palomar Fiber Nuller** [7734-101]
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- 7734 2T **Integrated optic beam combiners for stellar interferometry and nulling at near- and mid-infrared wavelengths** [7734-102]
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- 7734 2V **High precision interferometer: MIRC with photometric channels** [7734-104]
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- 7734 2W **Measuring the effective wavelength of CHARA classic** [7734-105]
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- 7734 2X **The LINC-NIRVANA fringe and flexure tracker: first measurements of the testbed interferometer** [7734-106]
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- 7734 2Z **GRAVITY spectrometer: metrology laser blocking strategy at OD=12** [7734-108]
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J. B. Lebouquin, LAOG, CNRS (France); H. Bartko, M. Thiel, F. Eisenhauer, LESIA, Observatoire de Paris à Meudon (France)

- 7734 32 **The GRAVITY spectrometers: optical design and principle of operation** [7734-111]
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- 7734 35 **PIONIER: a visitor instrument for VLT** [7734-114]
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- 7734 38 **Comparison between closure phase and phase referenced interferometric image reconstructions** [7734-117]
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- 7734 39 **The effects of atmospheric calibration errors on source model parameters** [7734-118]
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- 7734 3D **Imaging simulations of selected science with the Magdalena Ridge Observatory Interferometer** [7734-122]
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- 7734 3F **A publication database for optical long baseline interferometry** [7734-124]
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- 7734 3J **Tunable spatial heterodyne spectroscopy (TSHS): a new technique for broadband visible interferometry** [7734-128]
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- 7734 3L **Limb-darkened angular diameters of stars with combined infrared and optical interferometry** [7734-131]
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- 7734 3P **Three-dimensional photonic combiner for optical astro interferometry** [7734-136]
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- 7734 3Q **Development of Monolithic Michelson Interferometer for RV measurement in IR** [7734-137]
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- 7734 3T **A new embedded control system for SUSI** [7734-140]
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- 7734 3U **Custom beamsplitter and AR coatings for interferometry** [7734-141]
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- 7734 3V **Fringe modulation for an MROI beam combiner** [7734-142]
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- 7734 3W **Fresnel diffraction in an interferometer: application to MATISSE** [7734-143]
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- 7734 3X **Hybrid sol-gel technology for fast prototyping in astronomical interferometry** [7734-144]
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- 7734 3Y **MAMMUT: mirror vibration metrology for VLTI** [7734-145]
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- 7734 44 **Mechanical design of the Magdalena Ridge Observatory Interferometer** [7734-151]
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- 7734 45 **Modified telescope alignment procedure for improving the beam quality of the CHARA Telescopes** [7734-152]
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- 7734 46 **The MROI fringe tracker: first fringe experiment** [7734-153]
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- 7734 47 **A new control architecture for multi-beam fringe tracker** [7734-154]
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- 7734 48 **The LINC-NIRVANA fringe and flexure tracker: an update of the opto-mechanical system** [7734-155]
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- 7734 49 **Design of the MROI delay line optical path compensator** [7734-156]
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J. S. Young, Univ. of Cambridge (United Kingdom)

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- 7734 4B **The data-reduction software for micro-arcsecond astrometry with PRIMA at the VLT**
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Astronomie der Univ. Heidelberg (Germany); T. Schulze-Hartung, R. Launhardt,
Max-Planck-Institut für Astronomie (Germany); N. M. Elias II, National Radio Astronomy
Observatory (United States); T. Henning, Max-Planck-Institut für Astronomie (Germany);
D. Queloz, Univ. of Geneva (Switzerland)
- 7734 4C **The third version of the AMBER data reduction software** [7734-159]
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G. Mella, L. Halipré, A. Chelli, S. Lafrasse, E. Altariba, G. Zins, Lab. d'Astrophysique de
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- 7734 4D **GPU-accelerated image reconstruction for optical and infrared interferometry** [7734-160]
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- 7734 4E **Building the 'JMMC Stellar Diameters Catalog' using SearchCal** [7734-161]
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(France); G. Duvert, X. Delfosse, Univ. Joseph Fourier, CNRS, Lab. d'Astrophysique de
Grenoble (France); O. Chesneau, Univ. Nice Sophia Antipolis, CNRS, Observatoire de la
Côte d'Azur (France); A. Chelli, Univ. Joseph Fourier, CNRS, Lab. d'Astrophysique de
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- 7734 4F **SCDU testbed automated in-situ alignment, data acquisition, and analysis** [7734-162]
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L. Chao, Nanjing Institute of Astronomical Optics & Technology (China) and Graduate Univ.
of Chinese Academy of Sciences (China); W. Zhen, J. Wang, L. Yi, Y. Chen, Nanjing Institute
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- 7734 4H **Results of the Guide-2 telescope testbed for the SIM Light Astrometric Observatory** [7734-165]
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- 7734 4I **Mitigation of angle tracking errors due to color dependent centroid shifts in SIM Lite** [7734-166]
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