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Markus Schöller
William C. Danchi
Françoise Delplancke
Editors

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A. M. Jorgensen, New Mexico Institute of Mining and Technology (United States); D. Mozurkewich, Seabrook Engineering (United States); H. Schmitt, Naval Research Lab. (United States) and Interferometrics, Inc. (United States); R. Hindsley, J. T. Armstrong, T. A. Pauls, Naval Research Lab. (United States); D. Hutter, Naval Observatory Flagstaff Station (United States)
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- 7013 1G **AMBER closure and differential phases: accuracy and calibration with a beam commutation** [7013-51]
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H. R. Schmitt, Naval Research Lab. (United States) and Interferometrics, Inc. (United States); T. A. Pauls, J. T. Armstrong, Naval Research Lab. (United States); D. Mozurkewich, Seabrook Engineering (United States); A. M. Jorgensen, New Mexico Institute of Mining and Technology (United States); R. B. Hindsley, Naval Research Lab. (United States); C. Tycner, Central Michigan Univ. (United States); R. T. Zavala, J. A. Benson, D. J. Hutter, U.S. Naval Observatory (United States)
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E. Thiébaut, Ctr. de Recherche Astrophysique de Lyon, CNRS (France)

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D. Defrère, Institut d'Astrophysique et de Géophysique, Univ. de Liège (Belgium); O. Lay, Jet Propulsion Lab. (United States); R. den Hartog, ESA/ESTEC (Netherlands); O. Absil, LAOG, CNRS, Univ. Joseph Fourier (France)

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- 7013 24 **Sensitive visible interferometry with PAVO** [7013-75]

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- 7013 25 **A high-sensitivity near-infrared science combiner for MROI** [7013-76]

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- 7013 29 **VSI: the VLTI spectro-imager** [7013-80]
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GRAVITY: getting to the event horizon of Sgr A* [7013-81]

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MATISSE: perspective of imaging in the mid-infrared at the VLTI [7013-82]

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Astronomie (Germany); S. Kraus, Max Planck Institut für Radioastronomie (Germany); S. Robbe-Dubois, F. Vakili, Lab. Univ. d'Astrophysique de Nice (France); A. Richichi, European Southern Observatory (Germany); P. Abraham, Konkoly Observatory (Hungary); J.-C. Augereau, Observatoire de Grenoble (France); J. Behrend, Max Planck Institut für Radioastronomie (Germany); P. Berio, N. Berruyer, O. Chesneau, J. M. Clausse, Observatoire de la Côte d'Azur (France); C. Connot, Max Planck Institut für Radioastronomie (Germany); K. Demyk, Univ. de Lille (France); W. C. Danchi, NASA Goddard Space Flight Ctr. (United States); M. Dugué, Observatoire de la Côte d'Azur (France); G. Finger, European Southern Observatory (Germany); S. Flament, Observatoire de la Côte d'Azur (France); A. Glazenborg, H. Hannenburg, ASTRON (Netherlands); M. Heininger, Max Planck Institut für Radioastronomie (Germany); Y. Hugues, Observatoire de la Côte d'Azur (France); J. Hron, Vienna Univ. (Austria); S. Jankov, Lab. Univ. d'Astrophysique de Nice (France); F. Kerschbaum, Vienna Univ. (Austria); G. Kroes, ASTRON (Netherlands); H. Linz, Max Planck Institut für Astronomie (Germany); J.-L. Lizon, European Southern Observatory (Germany); P. Mathias, Observatoire de la Côte d'Azur (France); R. Mathar, Leiden Observatory (Netherlands); A. Matter, J. L. Menut, Observatoire de la Côte d'Azur (France); K. Meisenheimer, Max Planck Institut für Astronomie (Germany); F. Millour, Lab. Univ. d'Astrophysique de Nice (France); N. Nardetto, Max Planck Institut für Radioastronomie (Germany); U. Neumann, Max Planck Institut für Astronomie (Germany); E. Nussbaum, Max Planck Institut für Radioastronomie (Germany); A. Niedzielski, Torun Ctr. for Astronomy (Poland); L. Mosoni, Max Planck Institut für Astronomie (Germany) and Konkoly Observatory (Hungary); J. Olofsson, Observatoire de Grenoble (France); Y. Rabbia, Observatoire de la Côte d'Azur (France); T. Ratzka, Max Planck Institut für Astronomie (Germany); F. Rigal, ASTRON (Netherlands); A. Roussel, Observatoire de la Côte d'Azur (France); D. Schertl, Max Planck Institut für Radioastronomie (Germany); F.-X. Schmider, Lab. Univ. d'Astrophysique de Nice (France); B. Stecklum, Thüringer Landessternwarte Tautenburg (Germany); E. Thiebaut, Observatoire de Lyon (France); M. Vannier, B. Valat, Observatoire de la Côte d'Azur (France); K. Wagner, Max Planck Institut für Astronomie (Germany); L. B. F. M. Waters, Astronomical Institute Amsterdam (Netherlands)

SINGLE APERTURES

- 7013 2D **Beam combination with a large number of apertures** [7013-84]
D. Mozurkewich, Seabrook Engineering (United States)

NEW CONCEPTS

- 7013 2E **Toward a revival of stellar intensity interferometry** [7013-85]
S. LeBohec, Univ. of Utah (United States); C. Barbieri, Univ. of Padova (Italy); W. de Wit, Univ. of Leeds (United Kingdom); D. Dravins, Lund Observatory (Sweden); P. Feautrier, C. Foellmi, Lab. d'Astrophysique de Grenoble (France); A. Glindemann, European Southern Observatory (Germany); J. Hall, Fermilab (United States); J. Holder, Univ. of Delaware (United States); R. Holmes, Nutronics Inc. (United States); P. Kervella, LESIA, Observatoire de Paris-Meudon (France); D. Kieda, Univ. of Utah (United States); E. Le Coarer, Lab. d'Astrophysique de Grenoble (France); S. Lipson, Technion - Israel Institute of Technology (Israel); F. Malbet, Lab. de d'Astrophysique de Grenoble (France); S. Morel, European Southern Observatory (Germany); P. Nuñez, Univ. of Utah (United States); A. Ofir, Tel-Aviv Univ. (Israel); E. Ribak, Technion - Israel Institute of Technology (Israel); S. Saha, Indian Institute of Astrophysics II Block (India); M. Shoeller, European Southern Observatory (Germany); B. Zhilyaev, Main Astronomical Observatory (Ukraine); H. Zinnecker, Astrophysikalisches Institut Potsdam (Germany)

- 7013 2F **Novel spectral imaging method for the Fizeau interferometer** [7013-86]
T. Matsuo, Jet Propulsion Lab. (United States) and Osaka Univ. (Japan); H. Shibai, Osaka Univ. (Japan); M. Kawada, Nagoya Univ. (Japan); M. Hattori, S. I. Ohta, Tohoku Univ. (Japan); H. Matsuo, National Observatory, Advanced Technology Ctr. (Japan)
- 7013 2G **Application of Michelson type bolometric interferometer to CMB B mode polarization observations** [7013-87]
M. Hattori, Astronomical Institute Tohoku Univ. (Japan); I. S. Ohta, Kinki Univ. (Japan); Y. Chinone, Y. Luo, K. Koga, Astronomical Institute Tohoku Univ. (Japan)

ASTROMETRY

- 7013 2H **Spectral calibration at the picometer level on SCDU (spectral calibration development unit)** [7013-88]
R. T. Demers, X. An, A. Azizi, G. Brack, O. Lay, D. Ryan, J. Shen, G. Sun, H. Tang, C. Zhai, Jet Propulsion Lab. (United States)
- 7013 2I **The ESPRI project: astrometric exoplanet search with PRIMA** [7013-89]
R. Launhardt, Max Planck Institute for Astronomy (Germany); D. Queloz, Observatoire Astronomique, l'Univ. de Genève (Switzerland); Th. Henning, Max Planck Institute for Astronomy (Germany); A. Quirrenbach, Landessternwarte Königstuhl (Germany); F. Delplancke, L. Andolfato, European Southern Observatory (Germany); L. Andolfato, European Southern Observatory (Germany); H. Baumeister, P. Bizenberger, Max Planck Institute for Astronomy (Germany); H. Bleuler, Ecole Polytechnique Fédérale (Switzerland); B. Chazelas, Observatoire Astronomique de l'Univ. de Genève (Switzerland); F. Dérie, D. Lieto, T. P. Duc, European Southern Observatory (Germany); O. Duvanel, Ecole d'ingénieur ARC (Switzerland); N. M. Elias II, Max Planck Institute for Astronomy (Germany) and Landessternwarte Königstuhl (Germany); M. Fluery, Observatoire Astronomique de l'Univ. de Genève (Switzerland); R. Geisler, Landessternwarte Königstuhl (Germany); D. Gillet, Ecole Polytechnique Fédérale (Switzerland); U. Graser, Max Planck Institute for Astronomy (Germany); F. Koch, European Southern Observatory (Germany); R. Köhler, Max Planck Institute for Astronomy (Germany) and Landessternwarte Königstuhl (Germany); C. Maire, D. Mégevand, Observatoire Astronomique de l'Univ. de Genève (Switzerland); Y. Michellod, Ecole Polytechnique Fédérale (Switzerland); J. Moresmau, European Southern Observatory (Germany); A. Müller, Max Planck Institute for Astronomy (Germany); P. Müllhaupt, Ecole Polytechnique Fédérale (Switzerland); V. Naranjo, Max Planck Institute for Astronomy (Germany); F. Pepe, Observatoire Astronomique, l'Univ. de Genève (Switzerland); S. Reffert, Landessternwarte Königstuhl (Germany); L. Sache, Ecole Polytechnique Fédérale (Switzerland); D. Ségransan, Observatoire Astronomique, l'Univ. de Genève (Switzerland); Y. Salvadé, Ecole d'ingénieur ARC (Switzerland); T. Schulze-Hartung, J. Setiawan, Max Planck Institute for Astronomy (Germany); G. Simond, Observatoire Astronomique de l'Univ. de Genève (Switzerland); D. Sosowska, Ecole Polytechnique Fédérale (Switzerland); I. Stilz, Max Planck Institute for Astronomy (Germany) and Landessternwarte Königstuhl (Germany); B. Tubbs, K. Wagner, Max Planck Institute for Astronomy (Germany); L. Weber, Observatoire Astronomique de l'Univ. de Genève (Switzerland); P. Weise, Max Planck Institute for Astronomy (Germany); L. Zago, Ctr. Suisse d'Electronique et Microtechnique (CSEM) (Switzerland)
- 7013 2K **Astrometric detection of exo-Earths in the presence of stellar noise** [7013-91]
J. Catanzarite, Jet Propulsion Lab. (United States); N. Law, California Institute of Technology (United States); M. Shao, Jet Propulsion Lab. (United States)

INTERFEROMETRY FROM SPACE: JOINT SESSION WITH CONFERENCE 7010

- 7013 2L **Precision astrometry with a space-based interferometer** [7013-92]
S. C. Unwin, M. Shao, S. J. Edberg, Jet Propulsion Lab. (United States)
- 7013 2M **SIM-Lite: progress report** [7013-93]
J. C. Marr-IV, M. Shao, R. Goullioud, Jet Propulsion Lab. (United States)
- 7013 2N **Terrestrial Planet Finder Interferometer: 2007–2008 progress and plans** [7013-94]
P. R. Lawson, O. P. Lay, S. R. Martin, R. D. Peters, R. O. Gappinger, A. Ksendzov, D. P. Scharf, A. J. Booth, Jet Propulsion Lab. (United States); C. A. Beichman, Michelson Science Ctr., California Institute of Technology (United States); E. Serabyn, Jet Propulsion Lab. (United States); K. J. Johnston, U.S. Naval Observatory (United States); W. C. Danchi, NASA Goddard Space Flight Ctr. (United States)
- 7013 2O **Terrestrial exo-planet science by nulling interferometry: instrument design and scientific performance** [7013-95]
O. Wallner, K. Ergenzinger, U. Johann, Astrium GmbH (Germany)
- 7013 2P **New observational concept for Darwin-like missions using a MOEMS-based programmable spectrometer** [7013-96]
F. Zamkotsian, P. Lanzoni, Lab. d'Astrophysique de Marseille, CNRS (France); T. Viard, C. Buisset, Thales Alenia Space (France)
- 7013 2Q **The Fourier-Kelvin Stellar Interferometer (FKSI): a review, progress report, and update** [7013-98]
W. C. Danchi, R. K. Barry, NASA Goddard Space Flight Ctr. (United States); P. R. Lawson, W. A. Traub, S. Unwin, Jet Propulsion Lab. (United States)
- 7013 2R **ESPRIT: a study concept for a far-infrared interferometer in space** [7013-99]
W. Wild, SRON Netherlands Institute for Space Research (Netherlands) and Kapteyn Astronomical Institute, Univ. of Groningen (Netherlands); Th. de Graauw, SRON Netherlands Institute for Space Research (Netherlands) and Leiden Observatory (Netherlands); F. Helmich, A. Baryshev, SRON Netherlands Institute for Space Research (Netherlands) and Kapteyn Astronomical Institute, Univ. of Groningen (Netherlands); J. Cernicharo, Consejo Superior de Investigaciones Científicas (Spain); J. R. Gao, SRON Netherlands Institute for Space Research (Netherlands); A. Gunst, A. Bos, ASTRON, Dwingeloo (Netherlands); J.-W. den Herder, B. Jackson, SRON Netherlands Institute for Space Research (Netherlands); V. Koshchets, SRON Netherlands Institute for Space Research (Netherlands) and Institute of Radio Engineering and Electronics (Russia); H.-J. Langevelde, Joint Institute for VLBI in Europe (Netherlands); P. Maat, ASTRON, Dwingeloo (Netherlands); J. Martin-Pintado, Consejo Superior de Investigaciones Científicas (Spain); J. Noordam, ASTRON, Dwingeloo (Netherlands); P. Roelfsema, SRON Netherlands Institute for Space Research (Netherlands) and Kapteyn Astronomical Institute, Univ. of Groningen, (Netherlands); L. Venema, ASTRON, Dwingeloo (Netherlands); P. Wesselius, SRON Netherlands Institute for Space Research (Netherlands) and Kapteyn Astronomical Institute, Univ. of Groningen (Netherlands); P. Yagoubov, SRON Netherlands Institute for Space Research (Netherlands)
- 7013 2S **The wide-field imaging interferometry testbed (WIIT): recent progress and results** [7013-100]
S. Rinehart, D. Leisawitz, B. Frey, R. Lyon, NASA Goddard Space Flight Ctr. (United States); S. Maher, Science Systems and Applications, Inc. (United States); N. Memarsadeghi, NASA Goddard Space Flight Ctr. (United States)

- 7013 2T **DAVINCI: a diluter aperture visible nulling coronagraphic instrument** [7013-101]
M. Shao, S. Bairstow, B. Martin Levine, G. Vasisht, Jet Propulsion Lab. (United States);
B. F. Lane, Draper Lab. (United States); G. Vasudevan, R. Woodruff, Lockheed-Martin Space
Systems Corp. (United States); R. Samuele, Northrop-Grumman Space and Mission Systems
Corp. (United States); J. Wynn, ITT Space Systems Division (United States); M. Clampin,
R. Lyon, NASA Goddard Space Flight Ctr. (United States); O. Guyon, Univ. of Arizona
(United States)

POSTER SESSION: GROUND INTERFEROMETERS

- 7013 2U **Plans for utilizing the Keck outrigger telescopes at NPOI (Best Poster Award)** [7013-102]
M. DiVittorio, D. J. Hutter, US Naval Observatory Flagstaff Station (United States); M. Kelley,
MHK Technology (United States)
- 7013 2V **Last technology and results from the IOTA interferometer** [7013-103]
E. Pedretti, Univ. of St. Andrews (United Kingdom); W. A. Traub, Jet Propulsion Lab. (United
States); J. D. Monnier, Univ. of Michigan (United States); P. A. Schuller, Institut
d'Astrophysique Spatiale, Univ. Paris-Sud (France); S. Ragland, California Association for
Research in Astronomy (United States); J.-P. Berger, Lab. d'Astrophysique de l'Observatoire
de Grenoble (France); R. Millan-Gabet, Michelson Science Ctr., California Institute of
Technology (United States); G. Wallace, Univ. of Massachusetts, Amherst (United States);
M. Burke, M. G. Lacasse, Harvard-Smithsonian Ctr. for Astrophysics (United States);
N. D. Thureau, Univ. of St. Andrews (United Kingdom); N. Carleton, Harvard-Smithsonian Ctr.
for Astrophysics (United States)

POSTER SESSION: PROJECTS

- 7013 2W **Optical delay line system for the NIAOT prototype stellar interferometer** [7013-104]
Z. Wu, Y. Zhu, Y. Chen, J. Wang, National Astronomical Observatories, Nanjing Institute of
Astronomical Optics & Technology (China)

POSTER SESSION: INSTRUMENTS

- 7013 2Y **System overview of the VLTI Spectro-Imager** [7013-106]
L. Jucou, J. P. Berger, F. Malbet, P. Kern, Univ. J. Fourier, CNRS, Lab. d'Astrophysique de
l'Observatoire de Grenoble (France); U. Beckmann, Max-Planck-Institute for
Radioastronomy (Germany); D. Lorenzetti, INAF, Osservatorio di Astrofisica di Roma (Italy);
L. Corcione, INAF, Osservatorio Astrofisico di Torino (Italy); G. Li Causi, INAF, Osservatorio di
Astrofisica di Roma (Italy); D. Buscher, J. Young, Cavendish Lab., Univ. of Cambridge
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Max-Planck-Institute for Radioastronomy (Germany); G. Zins, G. Duvert, K. Perraut, Univ.
J. Fourier, CNRS, Lab. d'Astrophysique de l'Observatoire de Grenoble (France); P. Labeye,
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J. Rebordao, Instituto Nacional de Engenharia, Tecnologia e Inovacao (Portugal); S. Ligori,
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Lab., Univ. of Cambridge (United Kingdom); E. Le Coarer, P. Feautrier, G. Duchene,
M. Benisty, A. Chelli, Univ. J. Fourier, CNRS, Lab. d'Astrophysique de l'Observatoire de
Grenoble (France); E. Herwats, Univ. J. Fourier, CNRS, Lab. d'Astrophysique de

l'Observatoire de Grenoble (France) and Institut d'Astrophysique et de Géophysique (Belgium); A. Delboulbé, Univ. J. Fourier, CNRS, Lab. d'Astrophysique de l'Observatoire de Grenoble (France)

- 7013 22 **Prospects for near-infrared characterisation of hot Jupiters with the VLTI Spectro-Imager (VSI)** [7013-107]
S. Renard, O. Absil, J.-P. Berger, Lab. d'Astrophysique de l'Observatoire de Grenoble (France); X. Bonfils, Observatório Astronómico de Lisboa (Portugal); T. Forveille, F. Malbet, Lab. d'Astrophysique de l'Observatoire de Grenoble (France)
- 7013 30 **Near-IR spectrograph of VSI (VLTI Spectro Imager): dispersing the light from an integrated optics beam-combiner** [7013-108]
D. Lorenzetti, G. Li Causi, R. Speziali, F. Vitali, INAF, Osservatorio Astronomico di Roma (Italy); D. Loreggia, INAF, Osservatorio Astronomico di Torino (Italy); C. Baffa, INAF, Osservatorio Astrofisico di Arcetri (Italy); P. Y. Kern, L. Jocou, F. Malbet, P. Rabou, Univ. J. Fourier, CNRS, Lab. d'Astrophysique de Grenoble (France)
- 7013 31 **Opto-mechanical design of the spectrometers of GRAVITY: the 6-Baseline K-Band interferometer for the VLTI** [7013-109]
C. Straubmeier, Univ. of Cologne (Germany); F. Eisenhauer, Max-Planck-Institute for Extraterrestrial Physics (Germany); G. Perin, Lab. d'Etudes Spatiales et d'Instrumentation en Astrophysique (France); W. Brandner, Max-Planck-Institut für Astronomie (Germany); A. Eckart, Univ. of Cologne (Germany)
- 7013 32 **MATISSE: concept analysis** [7013-111]
S. Lagarde, B. Lopez, R. G. Petrov, CNRS H. Fizeau, UNS, OCA (France); K. H. Hofmann, S. Kraus, Max Planck Institut für Radioastronomie (Germany); W. Jaffe, Leiden Observatory (Netherlands); P. Antonelli, Y. Bresson, CNRS, H. Fizeau, UNS, OCA (France); Ch. Leinert, Max Planck Institut für Astronomie (Germany); A. Matter, CNRS, H. Fizeau, UNS, OCA (France)
- 7013 34 **Preparation of the calibration unit for LINC-NIRVANA** [7013-114]
L. Labadie, F. de Bonis, S. Egner, T. Herbst, P. Bizenberger, M. Krürster, Max-Planck-Institut für Astronomie (Germany); A. Delboulé, Lab. d'Astrophysique de Grenoble (France)
- 7013 35 **Analysis of LBT LINC-NIRVANA simulated images of galaxies and young stellar objects** [7013-115]
P. Ciliegi, INAF, Osservatorio Astronomico di Bologna (Italy); A. La Camera, G. Desiderá, DISI, Genova Univ. (Italy); S. Antonucci, INAF, Osservatorio Astronomico di Roma (Italy); C. Arcidiacono, INAF, Osservatorio Astronomico di Padova (Italy); M. Lombini, E. Diolaiti, E. Bellocchi, INAF, Osservatorio Astronomico di Bologna (Italy); F. Mannucci, INAF, Osservatorio Astrofisico di Arcetri (Italy); M. Bertero, P. Boccacci, DISI, Genova Univ. (Italy); D. Lorenzetti, B. Nisini, INAF, Osservatorio Astronomico di Roma (Italy)
- 7013 36 **LINC-NIRVANA observation preparation software: a flexible approach** [7013-116]
A. Pavlov, J. Trowitzsch, W. Gässler, J. Berwein, Max-Planck-Institut für Astronomie (Germany)
- 7013 37 **The LINC-NIRVANA Fringe and Flexure Tracker: the testbed interferometer** [7013-117]
T. Bertram, B. Lindhorst, E. Tremou, S. Rost, Y. Wang, I. Wank, G. Witzel, C. Straubmeier, A. Eckart, Univ. of Cologne (Germany)
- 7013 38 **The LINC-NIRVANA Fringe and Flexure Tracker: testing piston control performance** [7013-118]
S. Rost, T. Bertram, B. Lindhorst, C. Straubmeier, E. Tremou, Y. Wang, G. Witzel, A. Eckart, Univ. of Cologne (Germany)

7013 39 **NIC: LBTI's nulling and imaging camera** [7013-119]
P. M. Hinz, E. Solheid, O. Durney, W. F. Hoffmann, Steward Observatory, The Univ. of Arizona (United States)

7013 3A **LMIRcam: an L/M-band imager for the LBT combined focus** [7013-120]
J. C. Wilson, Univ. of Virginia (United States); P. M. Hinz, Univ. of Arizona (United States); M. F. Skrutskie, Univ. of Virginia (United States); T. Jones, Univ. of Minnesota (United States); E. Solheid, Univ. of Arizona (United States); J. Leisenring, Univ. of Virginia (United States); P. Garnavich, Univ. of Notre Dame (United States); M. Kenworthy, Univ. of Arizona (United States); M. J. Nelson, Univ. of Virginia (United States); C. E. Woodward, Univ. of Minnesota (United States)

POSTER SESSION: SYSTEMS

7013 3B **Adaptive optics for the CHARA Array** [7013-121]
S. T. Ridgway, NOAO (United States); H. A. McAlister, T. ten Brummelaar, A. Merand, J. Sturmann, L. Sturmann, N. Turner, CHARA (United States)

7013 3C **General performance analysis of a Fizeau interferometer** [7013-122]
S. E. Egner, T. M. Herbst, Max-Planck-Institute for Astronomy (Germany); C. Arcidiacono, INAF, Osservatorio Astrofisico di Padova (Italy)

7013 3E **Innovative pupil topographies for sparse aperture telescopes and SNR** [7013-124]
J. Breckinridge, N. Bryant, J. Lorre, Jet Propulsion Lab. (United States)

POSTER SESSION: SUBSYSTEMS

7013 3F **Simultaneous observation of two stars using the PRIMA Star Separator** [7013-125]
J. Nijenhuis, H. Visser, H. de Man, B. Dekker, J. Mekking, F. Kamphues, TNO Science & Industry (Netherlands)

7013 3H **MROI's automated alignment system** [7013-127]
A. V. Shtromberg, C. A. Jurgenson, Magdalena Ridge Observatory, New Mexico Institute of Mining and Technology (United States); D. F. Buscher, C. A. Haniff, J. S. Young, Univ. of Cambridge, Cavendish Lab. (United Kingdom); F. G. Santoro, M. T. Paz, J. M. Steenson, L. Berger, Magdalena Ridge Observatory, New Mexico Institute of Mining and Technology (United States)

POSTER SESSION: NEW CONCEPTS

7013 3J **Steps toward hypertelescopes on Earth and in space** [7013-129]
A. Labeyrie, Collège de France and Observatoire de la Côte d'Azur (France); H. Le Coroller, Observatoire de Haute-Provence (France); J. Dejonghe, Collège de France and Observatoire de Haute-Provence (France)

Part Three

POSTER SESSION: OPTICAL TECHNOLOGY, INTEGRATED OPTICS AND FIBERS

- 7013 3K **Mount-induced deflections in eight-inch flat mirrors at the Navy Prototype Optical Interferometer** [7013-130]
J. H. Clark III, Naval Research Lab., NPOI (United States); F. E. Penado, Northern Arizona Univ. (United States); M. DiVittorio, U.S. Naval Observatory Flagstaff Station (United States); J. P. Walton, Talus Engineering, NPOI (United States)
- 7013 3L **Extracting the zero-gravity surface figure of a mirror** [7013-131]
E. E. Bloemhof, J. C. Lam, V. A. Fera, Z. Chang, Jet Propulsion Lab. (United States)
- 7013 3M **The Magdalena Ridge Observatory Interferometer: custom near-IR beamsplitter and AR coatings** [7013-132]
E. K. Block, C. A. Jurgenson, New Mexico Institute of Mining and Technology, Magdalena Ridge Observatory (United States); D. F. Buscher, C. A. Haniff, J. S. Young, Univ. of Cambridge, Cavendish Lab. (United Kingdom); M. J. Creech-Eakman, New Mexico Institute of Mining and Technology, Magdalena Ridge Observatory (United States); A. Jaramillo, R. Schmell, Optical Surface Technologies, LLC (United States)
- 7013 3N **Developing high-performance reflective coatings for the tunable filter and the high-order interferometer of the 3D-NTT** [7013-133]
M.-M. de Denus-Baillargeon, Lab. d'Astrophysique Expérimentale, Univ. de Montréal (Canada) and Institut Fresnel, Domaine Univ. St-Jérôme (France); L. Abel-Tibérini, M. Lequime, Institut Fresnel, Domaine Univ. St-Jérôme (France); C. Carignan, Lab. d'Astrophysique Expérimentale, Univ. de Montréal (Canada), Observatoire d'Astrophysique de l'Univ. de Ouagadougou (Burkina Faso), and Lab. d'Astrophysique de Marseille, Observatoire Astronomique de Marseille-Provence (France); B. Épinat, J.-L. Gach, Lab. d'Astrophysique de Marseille, Observatoire Astronomique de Marseille-Provence (France); O. Hernandez, Lab. d'Astrophysique Expérimentale, Univ. de Montréal (Canada); M. Marcelin, Lab. d'Astrophysique de Marseille, Observatoire Astronomique de Marseille-Provence (France)
- 7013 3O **Far-Infrared Interferometric Telescope Experiment (FITE): sensor optics (Best Poster Award)** [7013-134]
T. Kohyama, Nagoya Univ. (Japan); H. Shibai, Osaka Univ. (Japan); M. Kawada, T. Watabe, Nagoya Univ. (Japan); T. Matsuo, Osaka Univ. (Japan); A. Ohkubo, Nagoya Univ. (Japan); E. Katoh, T. Kanoh, Osaka Univ. (Japan); M. Suzuki, S. Mochizuki, Y. Matsumoto, H. Morishita, K. Yamamoto, R. Kanoh, A. Nakashima, M. Tanabe, Nagoya Univ. (Japan); Y. Doi, The Univ. of Tokyo (Japan); M. Narita, Institute of Space and Astronautical Science, JAXA (Japan)
- 7013 3P **Single-mode LiNbO₃-based waveguides for L-band interferometry** [7013-135]
G. Martin, E. Anselm, T. Seure, T. Moulin, A. Delboulbé, L. Jocou, Lab. d'Astrophysique de Grenoble (France); N. Bodin Courjal, FEMTO-ST, Univ. de Franche-Comté (France); O. Caballero, J. Olivares, Univ. Autónoma de Madrid (Spain)
- 7013 3Q **Characterization of silver halide fiber for modal filtering on mid-infrared: imaging, nulling, and spectral transmission** [7013-136]
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