

Observatory Operations: Strategies, Processes, and Systems VII

Monday - Friday 11 - 15 June 2018

Conference Sessions At A Glance

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Monday Plenary Session
1: Operations and Data Quality Control I
2: Operations and Data Quality Control II
3: Time Domain and Transient Surveys
 Tuesday Plenary Session
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5: Operations Benchmarking and Metrics I
6: Operations Benchmarking and Metrics II
 Wednesday Plenary Session
7: Program and Observation Scheduling I
8: Program and Observation Scheduling II
9: Archive Operations, Surveys and Datasets
 Posters-Wednesday
 Thursday Plenary Session
10: Science Operations Processes and Workflows I
11: Science Operations Processes and Workflows II
12: Site and Facilities Operations I
13: Site and Facilities Operations II

Important Dates

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Abstract Due:
15 November 2017

Author Notification:
23 February 2018

Manuscript Due Date:
16 May 2018

Conference Committee

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Conference Chairs

[Alison B. Peck](#), Gemini Observatory (United States)
[Robert L. Seaman](#), Lunar and Planetary Lab., The Univ. of Arizona (United States)
[Chris R. Benn](#), Isaac Newton Group of Telescopes (Spain)

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 Todd Boroson, Las Cumbres Observatory Global Telescope Network (United States)
[Dennis R. Crabtree](#), National Research Council Canada (Canada)

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MONDAY 11 JUNE[Show All Abstracts](#)

Monday Plenary Session

Monday 11 June 2018
 8:50 AM - 10:00 AM
 Location: CC Level 1, Ballroom A

Coffee Break 10:00 AM - 10:30 AM

Session 1: Operations and Data Quality Control I

Monday 11 June 2018
 10:30 AM - 12:10 PM
 Location: CC Level 3, Room 9A

Session Chair: [Alison B. Peck](#), Gemini Observatory (United States)

Long-term monitoring of the throughput in Las Cumbres Observatory's fleet of telescopes

Paper 10704-1

Time: 10:30 AM - 10:50 AM


Author(s): Daniel R. Harbeck, Curtis McCully, Andrew Pickles, Nikolaus Volgenau, Conway Patrick, Brook Taylor, Las Cumbres Observatory Global Telescope Network (United States)

[Add To My Schedule](#) **Finding fault: 19 years of fault-tracking during night operations at the Subaru Telescope**

Paper 10704-2

Time: 10:50 AM - 11:10 AM


Author(s): Thomas Winegar, Subaru Telescope, NAOJ (United States)

[Add To My Schedule](#) **VLT unit telescopes performance monitoring**

Paper 10704-3

Time: 11:10 AM - 11:30 AM


Author(s): Vittorio Nurzia, European Southern Observatory (Chile)

[Add To My Schedule](#) **A daytime and nighttime task manager for Paranal Science Operations**

Paper 10704-4

Time: 11:30 AM - 11:50 AM


Author(s): Leonel Rivas, Stéphane Brilliant, Steffen Mieske, Andres Pino Pavez, Cristian Romero, European Southern Observatory (Chile)

[Add To My Schedule](#) **Alignment of wide field corrector against the primary mirror optical axis by spot images on auto guide cameras for prime focus spectrograph of Subaru Telescope**

Paper 10704-5

Time: 11:50 AM - 12:10 PM

Author(s): Yoko Tanaka, Subaru Telescope, NAOJ (United States); Yuki Moritani, Kavi Institute for the Physics and Mathematics of the Universe (Japan); Naruhisa Takato, Subaru Telescope, NAOJ (United States); Naoyuki Tamura, Kavi Institute for the Physics and Mathematics of the Universe (Japan)

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Lunch Break 12:10 PM - 2:00 PM

**Session 2:
Operations and Data Quality Control II**

Monday 11 June 2018

2:00 PM - 2:40 PM


Location: CC Level 3, Room 9A

Session Chair: [David S. Adler](#), Space Telescope Science Institute (United States)**Stray-light calibration and correction for the MetOp-SG 3MI mission**

Paper 10704-7

Time: 2:00 PM - 2:20 PM


Author(s): Lionel Clermont, Céline Michel, Emmanuel Mazy, Ctr. Spatial de Liège (Belgium); Charlotte Pachot, ESA-ESTEC, European Space Agency (Netherlands); Niccolo Daddi, Altran Italia (Italy); Carmine Mastrandrea, Leonardo (Italy); Yvan Stockman, Ctr. Spatial de Liège (Belgium)

[Add To My Schedule](#) **The dirt in astronomy's genie lamp: ThO contamination of Th-Ar calibration lamps**

Paper 10704-8

Time: 2:20 PM - 2:40 PM

Author(s): Gillian Nave, National Institute of Standards and Technology (United States); Florian Kerber, European Southern Observatory (Germany); Elizabeth Den Hartog, Univ. of Wisconsin-Madison (United States); Gaspare Lo Curto, European Southern Observatory (Germany)


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**Session 3:
Time Domain and Transient Surveys**

Monday 11 June 2018

2:40 PM - 5:10 PM

Location: CC Level 3, Room 9A

Session Chairs: [David S. Adler](#), Space Telescope Science Institute (United States) ; Raffaele D'Abrusco, Smithsonian Astrophysical Observatory (United States) **Timekeeping infrastructure for the Catalina Sky Survey**

Paper 10704-10

Time: 2:40 PM - 3:00 PM

Author(s): Robert L. Seaman, Alex Gibbs, The Univ. of Arizona (United States)

[Add To My Schedule](#) **The Zwicky transient facility robotic observing system (Conference Presentation)**

Paper 10704-11

Time: 3:00 PM - 3:20 PM

Author(s): Reed Riddle, John Cromer, David Hale, John Henning, John Baker, Jennifer Milburn, Stephen Kaye, Caltech (United States); Eric C. Bellm, Univ. of California, Berkeley (United States); Richard Walters, Richard Dekany, Roger Smith, Caltech (United States)

[Add To My Schedule](#) **Coffee Break 3:20 PM - 3:50 PM****SALT and SAAO strategy, focusing on the time-domain: process, plans, and challenges**

Paper 10704-12

Time: 3:50 PM - 4:10 PM


Author(s): Petri Väisänen, Lisa Crause, South African Astronomical Observatory (South Africa), Southern African Large Telescope (South Africa); David Gilbank, David A.H. Buckley, South African Astronomical Observatory (South Africa); Johannes C. Coetzee, Southern African Large Telescope (South Africa); Steven M. Crawford, South African Astronomical Observatory (South Africa), Southern African Large Telescope (South Africa); Stephen Potter, Retha Pretorius, South African Astronomical Observatory (South Africa); Encarnacion Romero Colmenero, South African Astronomical Observatory (South Africa), Southern African Large Telescope (South Africa); Ramotholo Sefako, South African Astronomical Observatory (South Africa); Michael Shara, American Museum of Natural History (United States); Amanda Sickafoose, Theodore Williams, South African Astronomical Observatory (South Africa)

[Add To My Schedule](#) **The SOAR Telescope as a node in a time domain followup-network: concepts and plans**

Paper 10704-13

Time: 4:10 PM - 4:30 PM


Author(s): Jonathan H. Elias, Cerro Tololo Inter-American Observatory (Chile); Cesar Briceno, Cerro Tololo Inter-American Observatory (Chile), National Optical Astronomy Observatory (United States); Todd Boroson, Mark K. Bowman, Las Cumbres Observatory (United States); Rolando Cantarutti, Cerro Tololo Inter-American Observatory (Chile), National Optical Astronomy Observatory (United States); Bryan Miller, Gemini Observatory (Chile); Stephen Ridgway, National Optical Astronomy Observatory (United States); Eric S. Saunders, Las Cumbres Observatory Global Telescope Network (United States); Rachel A. Street, Las Cumbres Observatory (United States)

[Add To My Schedule](#) **A telescope control and scheduling system for the Gravitational-wave Optical Transient Observer (GOTO)**

Paper 10704-14

Time: 4:30 PM - 4:50 PM

Author(s): Martin J. Dyer, Vik S. Dhillon, The Univ. of Sheffield (United Kingdom); Danny Steeghs, Krzysztof Ulaczyk, Paul Chote, The Univ. of Warwick (United Kingdom); Duncan Galloway, Evert Rol, Monash Univ. (Australia)


[Add To My Schedule](#) **Dark energy survey operations: years 4 and 5**

Paper 10704-15

Time: 4:50 PM - 5:10 PM

Author(s): H. Thomas Diehl, Eric Neilsen, Fermi National Accelerator Lab. (United States); Robert A. Gruendl, U. Illinois (United States); Timothy M C Abbott, CTIO (Chile); Sahar Allam, Otto Alvarez, James Annis, Fermi National Accelerator Lab. (United States); Eduardo Babinot, U. Surrey (United Kingdom); Sunayana Bhargava, University of Sussex (United Kingdom); Keith Bechtol, LSST (United States); Gary Bernstein, U. Pennsylvania (United States); Rachana Bhatawdekar, U. Nottingham (United Kingdom); Sebastian Bocquet, University Observatory Munich (Germany); Dillon Brout, U. Pennsylvania (United States); Raffaella Capasso, University Observatory Munich (Germany); Ross Cawthon, U. Chicago (United States); Chihway Chang, Kavli Institute, University of Chicago (United States); Erika Cook, Texas A&M U. (United States); Chris Conselice, U. Nottingham (United States); Jamie Cruz, CTIO (Chile); Chris D'Andrea, U. Pennsylvania (United States); Luiz da Costa, Laboratorio Interinstitutional de e-Astronomia, LINEA (Brazil); Rutuparna Das, U. Michigan (United States); Darren L. DePoy, Texas A&M U. (United States); Alex Drlica-Wagner, Fermi National Accelerator Lab. (United States); Anne E. Elliott, Ohio State U. (United States); Spencer W. Everett, Dept. of Physics, U. California (United States); Josh Frieman, Fermi National Accelerator Lab. (United States); Angelo Fausti-Neto, Laboratorio Interinstitutional de e-Astronomia (Brazil); Agnes Ferte, Institution for Astronomy, U. Edinburgh (United Kingdom); Indiarose Friswell, Institution for Astronomy (United Kingdom); Kate E. Fumell, Liverpool John Moores University (United Kingdom); Landon P. Gelman, U. Illinois (United States); David W. Gerdes, University of Michigan (United States); Mandeep SS Gill, SLAC (United States); Daniel A. Goldstein, University of California, Berkeley (United States); Daniel Gruen, Kavli Institute for Particle Astrophysics and Cosmology (United States); Deborah J. Gullede, Dept. Physics and Astronomy, Austin Peay State University (United States); Stephanie Hamilton, University of Michigan (United States); Devon Hollowood, Dept. Physics, University of California, Santa Cruz (United States); Klaus Honscheid, Ohio State U. (United States); David J. James, Harvard-Smithsonian Center for Astrophysics (United States); Michael D. Johnson, Margaret W. Johnson, U. Illinois (United States); Stephen M. Kent, Fermi National Accelerator Lab. (United States); Richard S. Kessler, Gourav Khullar, Kavli Institute (United States); Eve Kovacs, Argonne National Laboratory (United States); Anthony Kremin, University of Michigan (United States); Richard Kron, Nikolay Kuropatkin, Fermi National Accelerator Lab. (United States); James Lasker, Kavli Institute (United States); Andrew G. Lathrop, Ting S. Li, Fermi National Accelerator Lab. (United States); Marc Manera, Dept. of Physics and Astronomy, University College London (United Kingdom); Marisa March, U. Pennsylvania (United States); Jennifer L. Marshall, Texas A&M U. (United States); Michael Medford, University of California (United States); Felipe Menanteau, U. Illinois (United States); Irshad Mohammed, Fermi National Accelerator Lab. (United States); Martin Monroy, CIEMAT (Spain); Bruno Moraes, Dept. of Physics and Astronomy (United Kingdom); Eric Morganson, U. Illinois (United States); Jessica Muir, U. Michigan (United States); Martin Murphy, Brian Nord, Fermi National Accelerator Lab. (United States); Anthony Pace, Texas A&M U. (United States); Antonella Palmese, Dept. of Physics and Astronomy (United Kingdom); Youngsoo Park, University of Arizona (United States); Francisko Paz-Chinchon, U. Illinois (United States); Maria E. Pereira, Dept. of Physics, Brandeis University (United States); Donald Petrávick, U. Illinois (United States); Andres Plazas, Jet propulsion Laboratory (United States); Jason Poh, U. Chicago (United States); Travis Prochaska, Texas A&M U. (United States); A. Kathy Romer, U. Sussex (United Kingdom); Kevin Reil, Aaron Roodman, SLAC (United States), Kavli Institute (United States); Masao Sako, U. Pennsylvania (United States); Marcus Sauseda, Texas A&M U. (United States); Daniel Scolnic, Kavli Institute (United States); Lucas Secco, U. Pennsylvania (United States); Ignacio Sevilla-Noarbe, CIEMAT (Spain); Nora Shipp, Kavli Institute (United States); John A. Smith, Dept. Physics and Astronomy (United States); Marcelle Soares-Santos, Fermi National Accelerator Lab. (United States); Bjeorn Soergel, Kavli Institute for Cosmology, Univ. Cambridge (United Kingdom); Albert Stebbins, Fermi National Accelerator Lab. (United States); Kyle Story, Kavli Institute for Particle Astrophysics and Cosmology (United States); Katelyn Stringer, Texas A&M U. (United States); Federica Tarsitano, Institute for Astronomy, Dpt. Physics ETH Zurich (Switzerland); Benjamin Thomas, Inst. of Cosmology and Gravitation, Univ. Portsmouth (United States); Douglas L. Tucker, Fermi National Accelerator Lab. (United States); Kathy Vivas, Alistair R. Walker, CTIO (Chile); Mei-yu Wang, Texas A&M U. (United States); Curtis Weaverdyck, Noah Weaverdyck, U. Michigan (United States); William wester, Fermi National Accelerator Lab. (United States); Clare Wethers, Institute of Astronomy, U. Cambridge (United Kingdom); Reece Wilkenson, U. Sussex

(United Kingdom); Hao-Yi Wu, Ohio State U. (United States); Brian Yanny, Fermi National Accelerator Lab. (United States); Alfredo Zenteno, CTIO (Chile); Yuanyuan Zhang, Fermi National Accelerator Lab. (United States)

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TUESDAY 12 JUNE

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Tuesday Plenary Session

Tuesday 12 June 2018

9:00 AM - 10:00 AM

Location: CC Level 1, Ballroom A

Coffee Break 10:00 AM - 10:30 AM

Session 4: Data Flow and Management

Tuesday 12 June 2018

10:30 AM - 11:50 AM

Location: CC Level 3, Room 9A


Session Chair: [Robert L. Seaman](#), The Univ. of Arizona (United States)

LOFAR operations: lessons learned and challenges

Paper 10704-16

Time: 10:30 AM - 10:50 AM

Author(s): Roberto Pizzo, Astron Corp. (Netherlands)


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ESPRESSO data flow in operations: results of commissioning activities

Paper 10704-17

Time: 10:50 AM - 11:10 AM

Author(s): Paolo Di Marcantonio, INAF - Osservatorio Astronomico di Trieste (Italy); Danuta Sosnowska, Observatoire de Genève (Switzerland); Guido Cupani, Valentina D'Odorico, INAF - Osservatorio Astronomico di Trieste (Italy); Christophe Lovis, Alex Segovia, Observatoire de Genève (Switzerland); Sergio Sousa, Univ. do Porto (Portugal); Jonay I. González Hernández, Instituto de Astrofísica de Canarias (Spain); Giorgio Calderone, Roberto Cirami, INAF - Osservatorio Astronomico di Trieste (Italy); Andrea Modigliani, Gaspere Lo Curto, European Southern Observatory (Germany); Stefano Cristiani, Paolo Molaro, INAF - Osservatorio Astronomico di Trieste (Italy); Francesco Pepe, Denis Mégevand, Observatoire de Genève (Switzerland)


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Concordance: In-flight calibration of x-ray telescopes without absolute references (Conference Presentation)

Paper 10704-18

Time: 11:10 AM - 11:30 AM

Author(s): Herman L. Marshall, MIT Kavi Institute for Astrophysics and Space Research (United States); Vinay Kashyap, Smithsonian Astrophysical Observatory (United States); Matteo Guainazzi, European Space Agency (Netherlands), European Space Research and Technology Ctr. (Netherlands); Yang Chen, Univ. of Michigan (United States); Xufei Wang, Xiao-Li Meng, Harvard Univ. (United States); Jeremy Drake, Smithsonian Astrophysical Observatory (United States)


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Achieving a rolled-up view of SKA TM health status and state: definition and analysis of aggregation methods

Paper 10704-19

Time: 11:30 AM - 11:50 AM

Author(s): Mauro Dolci, INAF - Osservatorio Astronomico di Teramo (Italy); Matteo Canzari, INAF - Osservatorio Astronomico d'Abruzzo (Italy); Matteo Di Carlo, INAF - Osservatorio Astronomico d'Abruzzo (Italy); Riccardo Smareglia, INAF - Osservatorio Astronomico di Trieste (Italy)

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Session 5: Operations Benchmarking and Metrics I

Tuesday 12 June 2018

11:50 AM - 12:10 PM

Location: CC Level 3, Room 9A


Session Chair: [Robert L. Seaman](#), The Univ. of Arizona (United States)

Investigating global instrumental response for the JVLA low band ionosphere and transient experiment (VLITE)

Paper 10704-20

Time: 11:50 AM - 12:10 PM

Author(s): Tracy E. Clarke, Henrique R. Schmitt, Simona Giacintucci, Wendy L. Peters, U.S. Naval Research Lab. (United States) 

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Lunch/Exhibition Break 12:10 PM - 1:40 PM

Session 6: Operations Benchmarking and Metrics II

Tuesday 12 June 2018

1:40 PM - 5:30 PM

Location: CC Level 3, Room 9A


Session Chairs: Antonio Chrysostomou, SKA Organisation (United Kingdom) ; Lisa J. Storrie-Lombardi, Jet Propulsion Lab. (United States)

Diversity and inclusion in observatory operations: Advocating for and implementing positive change

Paper 10704-21

Time: 1:40 PM - 2:00 PM

Author(s): Alysha Shugart, Gemini Observatory (Chile); Claire Rafferty, National Solar Observatory (United States); Stephen Ridgway, National Optical Astronomy Observatory (United States); Stacey Sueoka, National Solar Observatory (United States); Dara Norman, National Optical Astronomy Observatory (United States); Chris Yamasaki, Gemini Observatory (United States)


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Diversity at ESO: Paranal Observatory

Paper 10704-22

Time: 2:00 PM - 2:20 PM

Author(s): Pascale Hibon, European Southern Observatory (Chile); Michèle Péron, Francesca Primas, Eniko Patkos, European Southern Observatory (Germany); Pedro Toledo, Jean-Michel Bonneau, European Southern Observatory (Chile); Olivier Hainaut, European Southern Observatory (Germany); Maria Francisca Labayru, European Southern Observatory (Chile); Markus Kissler-Patig, Steffi Steins, European Southern Observatory (Germany)


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Sex-disaggregated systematics in Canadian time allocation committee telescope proposal reviews

Paper 10704-23

Time: 2:20 PM - 2:40 PM

Author(s): Kristine Spekkens, Royal Military College of Canada (Canada); Nicholas Cofie, Queen's Univ. (Canada); Dennis R. Crabtree, NRC - Herzberg Astronomy & Astrophysics (Canada)


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Every second of science is sacred: automating science operations tracking at JCMT

Paper 10704-24

Time: 2:40 PM - 3:00 PM

Author(s): Jessica T. Dempsey, Sarah Graves, Harriet A. L. Parsons, Craig Walther, Paul Ho, Graham Bell, East Asian Observatory (United States); Michael Pohlen, UKIRT Observatory (United States)


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Keck Observatory telescope control system upgrade status report

Paper 10704-25

Time: 3:00 PM - 3:20 PM

Author(s): Shui Hung Kwok, Kevin Tsubota, Tomas Krasuski, Jim Lyke, Ben McCarney, Jeff Mader, Kevin McCann, W. M. Keck Observatory (United States)

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Coffee Break 3:20 PM - 3:50 PM

Astronomy operations with the Southern African Large Telescope (SALT): SALT is doing great!

Paper 10704-26

Time: 3:50 PM - 4:10 PM

Author(s): Encarnacion Romero Colmenero, South African Astronomical Observatory (South Africa), Southern African Large Telescope (South Africa); Petri Väisänen, Theodore Williams, Johannes C. Coetzee, Steven M. Crawford, Christian Hettlage, Rosalind E. Skelton, Rudolf B. Kuhn, Brent Miszalski, Alexei Kniazev, Marissa Kotze, Éric Depagne, Thea Koen, Veronica Van Wyk, Fred Marang, Anja Schroeder, Nhlawutelo E. Macebele, Anelisiwe S. Mayekiso, South African Astronomical Observatory (South Africa)

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SALT achieving synergy through integrated operations

Paper 10704-27

Time: 4:10 PM - 4:30 PM

Author(s): Johannes C. Coetzee, South African Astronomical Observatory (South Africa); Michael Shara, American Museum of Natural History (United States); Theodore Williams, Petri Väisänen, Encarnacion Romero Colmenero, Keith R. J. Browne, South African Astronomical Observatory (South Africa)


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Preparing the NIRSpec/JWST science data calibration: from ground testing to sky

Paper 10704-28

Time: 4:30 PM - 4:50 PM

Author(s): Catarina Alves de Oliveira, Stephan M. Birkmann, Torsten Böker, European Space Agency (United States); Pierre Ferruit, European Space Research and Technology Ctr., European Space Agency (Netherlands); Giovanna Giardino, European Space Agency (Netherlands); Nora Lützgendorf, Elena Puga, Timothy Rawle, Marco Sirianni, Maurice te Plate, European Space Agency (United States)

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ESO telbib: learning from experience, preparing for the future

Paper 10704-29

Time: 4:50 PM - 5:10 PM


Author(s): Uta Grothkopf, Silvia Meakins, Dominic Bordelon, European Southern Observatory (Germany)

[Add To My Schedule](#) **A bibliometric analysis of observatory publications for the period 2012-2016**

Paper 10704-30

Time: 5:10 PM - 5:30 PM

Author(s): Dennis R. Crabtree, NRC - Herzberg Astronomy & Astrophysics (Canada)

[Add To My Schedule](#) **WEDNESDAY 13 JUNE**[Show All Abstracts](#)**Wednesday Plenary Session**

Wednesday 13 June 2018

9:00 AM - 10:00 AM

Location: CC Level 1, Ballroom A

Coffee Break 10:00 AM - 10:30 AM**Session 7:
Program and Observation Scheduling I**

Wednesday 13 June 2018

10:30 AM - 12:10 PM


Location: CC Level 3, Room 9A

Session Chair: [Alison B. Peck](#), Gemini Observatory (United States)**Science operations rehearsals: planning and scheduling of the James Webb Space Telescope**

Paper 10704-31

Time: 10:30 AM - 10:50 AM


Author(s): David S. Adler, Brigette E. Hesman, Kristen B. Wymer, Space Telescope Science Institute (United States)

[Add To My Schedule](#) **Implementation and Results of the QSO-SNR mode at the Canada-France-Hawaii telescope**

Paper 10704-32

Time: 10:50 AM - 11:10 AM

Author(s): Daniel Devost, Billy Mahoney, Nadine Manset, Canada-France-Hawaii Telescope (United States); Claire Moutou, Canada-France-Hawaii Telescope (United States), Lab. d'Astrophysique de Marseille (France); Todd Burdullis, Canada-France-Hawaii Telescope (United States); Stephed D.J. Gwyn, National Research Council of Canada (Canada)

[Add To My Schedule](#) **Optimal scheduling and science delivery of spectra for millions of targets in thousands of fields: the operational concept of the Maunakea spectroscopic explorer (MSE)**

Paper 10704-33

Time: 11:10 AM - 11:30 AM


Author(s): Nicolas Flagey, Canada-France-Hawaii Telescope (United States); Alan W. McConnachie, NRC - Herzberg Astronomy & Astrophysics (Canada); Kei Szeto, Canada-France-Hawaii Telescope (United States); Patrick Hall, York Univ. (Canada); Alexis Hill, Calum Herveu, Canada-France-Hawaii Telescope (United States)

[Add To My Schedule](#) **Design of the observation queue scheduler for WEAVE on the WHT**

Paper 10704-34



Time: 11:30 AM - 11:50 AM

Author(s): Cecilia Fariña, Lilian Domínguez-Palmero, Isaac Newton Group of Telescopes (Spain), Instituto de Astrofísica de Canarias (Spain); Chris Benn, Isaac Newton Group of Telescopes (Spain); Steve Guest, STFC Rutherford Appleton Lab. (United Kingdom); Sergio Picó, Isaac Newton Group of Telescopes (Spain); Huw Morris, STFC Rutherford Appleton Lab. (United Kingdom); Don Carlos Abrams, Isaac Newton Group of Telescopes (Spain); J. Alfonso L. Aguerri, Instituto de Astrofísica de Canarias (Spain); Piercarlo Bonifacio, GEPI, Observatoire de Paris, Univ. PSL, CNRS (France); Esperanza Carrasco, INAOE (Mexico); Gavin Dalton, Dept. of Physics, University of Oxford and RALSpace, STFC Rutherford Appleton Lab (United Kingdom); Kevin Middleton, STFC Rutherford Appleton Lab. (United Kingdom); Scott Trager, Kapteyn Institut, RUG (Netherlands); Antonella Vallenari, Osservatorio Astronomico di Padova (Italy)

[Add To My Schedule](#) **Design of observational and control system of imaging system of a 1.2-meter-aperture telescope**

Paper 10704-35

Time: 11:50 AM - 12:10 PM

Author(s): Ming-hao Jia, Hong-fei Zhang, Ya-qi Chen, Jin-ting Chen, Guang-yu Zhang, Jie Chen, Feng-xin Jiang, Yi-ling Xu, Yi Feng, Zhen-feng Sheng, Chen-wei Yang, Univ. of Science and Technology of China (China); Liang Chang, Yunnan Observatories (China); Jian Wang, Univ. of Science and Technology of China (China) [Add To My Schedule](#) **Lunch/Exhibition Break 12:10 PM - 1:40 PM**

Session 8: Program and Observation Scheduling II

Wednesday 13 June 2018

1:40 PM - 3:00 PM

Location: CC Level 3, Room 9A


Session Chair: [Robert L. Seaman](#), The Univ. of Arizona (United States)

STARS: framework for scheduling telescopes and space missions like CARMENES, TJO and ARIEL-ESA (Conference Presentation)

Paper 10704-36

Time: 1:40 PM - 2:00 PM

Author(s): Álvaro García-Piquer, Josep Colomé, Juan Carlos Morales, Ignasi Ribas, Josep Guàrdia, Jaume Castroviejo, Emma de Ona Wilhelmi, Diego F. Torres, Francesc Vilardell, Institut de Ciències de l'Espai (Spain)


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The abstract observatory: an interface for networking telescopes

Paper 10704-37

Time: 2:00 PM - 2:20 PM

Author(s): Eric S. Saunders, Mark K. Bowman, Todd A. Boroson, Rachel A. Street, Las Cumbres Observatory Global Telescope Network (United States)


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Autonomous observation scheduling in astronomy

Paper 10704-38

Time: 2:20 PM - 2:40 PM

Author(s): Ruby Van Rooyen, SKA South Africa (South Africa); Deneys Maartens, Southern African Large Telescope (South Africa); Peter Martinez, Univ. of Cape Town (South Africa)


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Observation scheduling with a free bug tracking software: redmine 4 obs

Paper 10704-39

Time: 2:40 PM - 3:00 PM

Author(s): Claus A. Gössl, Univ.-Sternwarte München (Germany); Jan M. Snigula, Max-Planck-Institut für extraterrestrische Physik (Germany); Ulrich Hopp, Univ.-Sternwarte München (Germany), Max-Planck-Institut für extraterrestrische Physik (Germany)

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Session 9: Archive Operations, Surveys and Datasets

Wednesday 13 June 2018

3:00 PM - 5:50 PM

Location: CC Level 3, Room 9A


Session Chairs: [Robert L. Seaman](#), The Univ. of Arizona (United States) ; [Lisa J. Storrie-Lombardi](#), Jet Propulsion Lab. (United States)

Astronomical data archives as Instruments: accelerating and sustaining scientific discovery (Conference Presentation)

Paper 10704-40

Time: 3:00 PM - 3:20 PM

Author(s): Raffaele D'Abusco, Glenn E. Becker, Michael L. McCollough, Arnold H. Rots, Sinh A. Thong, David W. Van Stone, Sherry L. Winkelman, Smithsonian Astrophysical Observatory (United States)

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Coffee Break 3:20 PM - 3:50 PM

Overview of the Mikulski Archive for space telescopes for the James Webb Space Telescope data archiving

Paper 10704-41

Time: 3:50 PM - 4:10 PM

Author(s): Anthony Marston, Jonathan Hargis, Karen Levay, Peter Forshay, Susan Mullally, Richard A. Shaw, Space Telescope Science Institute (United States)


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Enabling new science with MAST community contributed data collections

Paper 10704-42

Time: 4:10 PM - 4:30 PM

Author(s): Richard A. Shaw, Scott Fleming, Karen Levay, Randy Thompson, Anton Koekemoer, Shui-Ay Tseng, Peter Forshay, Jonathan Hargis, Brian McLean, Space Telescope Science Institute (United States); Anthony Marston, European Space Agency (United States); Susan Mullally, Joshua Peek, Bernard Shiao, Richard L. White, Space Telescope Science Institute (United States)

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The TESS science data archive

Paper 10704-43

Time: 4:30 PM - 4:50 PM

Author(s): Daryl A. Swade, Scott Fleming, Space Telescope Science Institute (United States); Jon M. Jenkins, NASA Ames Research Ctr. (United States);

David W. Latham, Harvard-Smithsonian Ctr. for Astrophysics (United States); Edward Morgan, MIT Kavli Institute for Astrophysics and Space Research (United States); Susan E. Mullally, William Sparks, Space Telescope Science Institute (United States); Roland Vanderspek, MIT Kavli Institute for Astrophysics and Space Research (United States)


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The ESO science archive: supporting and enhancing science from the La Silla Paranal Observatory

Paper 10704-44

Time: 4:50 PM - 5:10 PM

Author(s): Martino Romaniello, Stefano Zampieri, Nausicaa Delmotte, Vincenzo Forchi, Olivier Hainaut, Alberto Micol, Jörg Retzlaff, Ignacio Vera, Nathalie Fourniol, Ahmed Mubashir Kahn, Uwe Lange, European Southern Observatory (Germany); Devendra Sisodia, Pactum Ltd. (United Kingdom); Malgorzata Stellert, TEKOM GmbH (Germany); Felix Stoehr, Magda Amaboldi, Chiara Spiniello, European Southern Observatory (Germany); Laura Mascetti, Terma GmbH (Germany); Michael F. Sterzik, European Southern Observatory (Germany)


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14 years of Spitzer publications: data use and reuse

Paper 10704-45

Time: 5:10 PM - 5:30 PM

Author(s): Elena Scire, Caltech (United States)


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Indicators of the science impact of an observatory

Paper 10704-46

Time: 5:30 PM - 5:50 PM

Author(s): Sherry L. Winkelman, Raffaele D'Abrusco, Arnold H. Rots, Smithsonian Astrophysical Observatory (United States)

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Posters-Wednesday

Wednesday 13 June 2018

6:00 PM - 8:00 PM

Location: CC Level 1, Exhibit Hall 2

Posters in this session may be displayed beginning at 10.00 on the designated day and will be available for extended viewing. The interactive poster session with authors in attendance will be Wednesday evening from 6:00 to 8:00 PM. Authors should remove their posters at the end of the poster session. Posters left displayed will be considered unwanted and will be discarded.


Poster presentation guidelines are available [online](#).

Observing in higher humidity

Paper 10704-82

Time: 6:00 PM - 8:00 PM

Author(s): Eben Wiid, Keith R. J. Browne, Jonathan Love, Johannes C. Coetzee, Thabelo Makananise, Paul Rabe, Etienne L. Simon, Johan Hendricks, SALT Foundation (South Africa)


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The WEAVE observatory control system

Paper 10704-83

Time: 6:00 PM - 8:00 PM

Author(s): Sergio Picó, Don Carlos Abrams, Chris Benn, Isaac Newton Group of Telescopes (Spain); Lilian Domínguez-Palmero, Cecilia Fariña, Isaac Newton Group of Telescopes (Spain), Instituto de Astrofísica de Canarias (Spain); Jose Miguel Delgado, Instituto de Astrofísica de Canarias (Spain); Carlos Martín, Diego Cano, Isaac Newton Group of Telescopes (Spain); Bernardo Salasnich, INAF - Osservatorio Astronomico di Padova (Italy); Steve Guest, STFC Rutherford Appleton Lab. (United Kingdom); Frank Gribbin, Jure Skvarc, Emanuel Gafton, Isaac Newton Group of Telescopes (Spain); Gavin Dalton, STFC Rutherford Appleton Lab. (United Kingdom), Univ. of Oxford (United Kingdom); Kevin Middleton, STFC Rutherford Appleton Lab. (United Kingdom); Scott Trager, Kapteyn Astronomical Institute (Netherlands); J. Alfonso L. Aguerrí, Instituto de Astrofísica de Canarias (Spain); Piercarlo Bonifacio, Observatoire de Paris à Meudon (France), PSL Research Univ (France); Antonella Vallenari, INAF - Osservatorio Astronomico di Padova (Italy); Esperanza Carrasco, Instituto Nacional de Astrofísica, Óptica y Electrónica (Mexico)


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Weather trends at the Magdalena Ridge Observatory

Paper 10704-84

Time: 6:00 PM - 8:00 PM

Author(s): Daniel Klinglesmith, Magdalena Ridge Observatory (United States); David Buscher, Univ. of Cambridge (United Kingdom); Michelle Creech-Eakman, Dylan Etscom, Erica Garcia, Colleen Gino, Magdalena Ridge Observatory (United States)


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Photometry of transients and variable sources at the Osservatorio Polifunzionale del Chianti (OPC)

Paper 10704-85

Time: 6:00 PM - 8:00 PM

Author(s): Luca Naponiello, Univ. degli Studi di Firenze (Italy), Osservatorio Polifunzionale del Chianti (Italy); Damiano Trisciani, Osservatorio Polifunzionale del Chianti (Italy); Lorenzo Betti, Univ. degli Studi di Firenze (Italy), Osservatorio Polifunzionale del Chianti (Italy); Alfredo Biagini, Osservatorio Polifunzionale del Chianti (Italy), Univ. degli Studi di Firenze (Italy); Ruggero Stanga, Maila Agostini, Mauro Focardi, Emanuele Pace, Univ. degli Studi di Firenze (Italy), Osservatorio Polifunzionale del Chianti (Italy)

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Preparing SALT's software for the future

Paper 10704-86

Time: 6:00 PM - 8:00 PM

Author(s): Christian Hettlage, Encarnacion Romero Colmenero, Steven M. Crawford, Nhluvutelo E. Macebele, Anelisiwe S. Mayekiso, Rosalind E. Skelton, Rudolf B. Kuhn, Petri Väisänen, Janus Brink, Anthony Koeslag, Stephen Hulme, South African Astronomical Observatory (South Africa), Southern African Large Telescope (South Africa)


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Implementation of a building automation system for the W.M. Keck Observatory summit facilities

Paper 10704-89

Time: 6:00 PM - 8:00 PM

Author(s): John Baldwin, Grant M. Hill, W. M. Keck Observatory (United States)

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Base facility operations (BFO) at Gemini Observatory after two and half years implementation (Canceled)

Paper 10704-90

Time: 6:00 PM - 8:00 PM


Author(s):

Development of the Arizona Robotic Telescope Network

Paper 10704-91

Time: 6:00 PM - 8:00 PM

Author(s): Benjamin Weiner, David Sand, The Univ. of Arizona (United States); Pavel Gabor, Vatican Observatory Research Group (United States); Chris Johnson, Scott Swindell, The Univ. of Arizona (United States); Petr Kubánek, Large Binocular Telescope Observatory (United States); Victor Gasho, The Univ. of Arizona (United States); Taras Golota, Vatican Observatory Research Group (United States); Buell Jannuzi, Peter Milne, Nathan Smith, Dennis Zaritsky, The Univ. of Arizona (United States)

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Fast photometry of stars

Paper 10704-92

Time: 6:00 PM - 8:00 PM

Author(s): Fernando Ángeles, Valeri Orlov, Univ. Nacional Autónoma de México (Mexico); Adam Popowicz, Silesian University of Technology, Institute of Automatic Control (Poland)


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Framework to use modern big data software tools to improve operations at the Paranal Observatory

Paper 10704-93

Time: 6:00 PM - 8:00 PM

Author(s): Eduardo Peña, Ricardo Schmutzer, Christian Stephan, Claudio Reinero, Julien Milli, Juan C. Guerra, Juan Osorio, European Southern Observatory (Chile)


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ALMA engineering fault detection framework

Paper 10704-94

Time: 6:00 PM - 8:00 PM

Author(s): José L. Ortiz, ALMA (Chile); Rodrigo A. Carrasco, Univ. Adolfo Ibáñez (Chile)


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The role of the US National Office in the Gemini partnership

Paper 10704-96

Time: 6:00 PM - 8:00 PM

Author(s): Kenneth Hinkle, Letizia Stanghellini, Dara Norman, Sharon Hunt, National Optical Astronomy Observatory (United States)

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The calibration scheme for ELT/METIS**(Canceled)**

Paper 10704-97

Time: 6:00 PM - 8:00 PM


Author(s):

Molding Chandra's public face: twitter for data products and more

Paper 10704-98

Time: 6:00 PM - 8:00 PM

Author(s): Glenn E. Becker, Sherry L. Winkelman, Raffaele D'Abrusco, Smithsonian Astrophysical Observatory (United States)


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Airplanes and satellites: how to keep LGS operations efficient and safe at the Large Binocular Telescope Observatory

Paper 10704-99

Time: 6:00 PM - 8:00 PM

Author(s): Gustavo Rahmer, Michael J. Lefebvre, Julian C. Christou, Large Binocular Telescope Observatory (United States)

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Conducting Spitzer Space telescope microlensing parallax observations (Canceled)

Paper 10704-100
Time: 6:00 PM - 8:00 PM
Author(s):


Expected observing efficiency of the Maunakea Spectroscopic Explorer (MSE)

Paper 10704-101
Time: 6:00 PM - 8:00 PM
Author(s): Nicolas Flagey, Kei Szeto, Maunakea Spectroscopic Explorer (United States); Kevin Ho, Billy Mahoney, Canada-France-Hawaii Telescope (United States); Alan W. McConnachie, Maunakea Spectroscopic Explorer (United States), NRC - Herzberg Astronomy & Astrophysics (Canada); Alexis Hill, Calum Hervieu, Maunakea Spectroscopic Explorer (United States)

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RFI mitigation through prediction and avoidance

Paper 10704-102
Time: 6:00 PM - 8:00 PM
Author(s): Balthasar T. Indermuehle, Lisa Harvey-Smith, Malte Marquarding, John Reynolds, CSIRO Astronomy and Space Science (Australia)

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THURSDAY 14 JUNE

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Thursday Plenary Session

Thursday 14 June 2018
8:30 AM - 10:00 AM
Location: CC Level 1, Ballroom A

Coffee Break 10:00 AM - 10:30 AM


Session 10: Science Operations Processes and Workflows I

Thursday 14 June 2018
10:30 AM - 12:10 PM
Location: CC Level 3, Room 9A

Session Chair: [Christian Veillet](#), Large Binocular Telescope Observatory (United States)


The square kilometre array: challenges of distributed operations and big data rates

Paper 10704-47
Time: 10:30 AM - 10:50 AM
Author(s): Antonio Chrysostomou, Rosie C. Bolton, Gary R. Davis, SKA Organisation (United Kingdom)

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Celebrating 20 years of scientific and technical results with the INAF-TNG Telescope

Paper 10704-48
Time: 10:50 AM - 11:10 AM
Author(s): Adriano Ghedina, Fundación Galileo Galilei - INAF (Spain); Cesare Barbieri, Università degli studi di Padova (Italy); Favio Bortoletto, INAF-Osservatorio Astronomico di Padova (Italy); Sperello di Serego Alighieri, Ernesto Oliva, INAF-Osservatorio Astronomico di Arcetri (Italy); Guido Ceppatelli, Fundación Galileo Galilei - INAF (Spain); Emilio Molinari, INAF-Osservatorio Astronomico di Cagliari (Italy); Ennio Poretti, Fundación Galileo Galilei - INAF (Spain); Roberto Ragazzoni, INAF-Osservatorio Astronomico di Padova (Italy); Walter Boschin, Fundación Galileo Galilei - INAF (Spain)


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Las Cumbres Observatory operations: balancing new developments with long-term sustainability (Canceled)

Paper 10704-49
Time: 11:10 AM - 11:30 AM
Author(s):

Transforming the Canada France Hawaii Telescope (CFHT) into the Maunakea Spectroscopic Explorer (MSE): a conceptual observatory building and facilities design

Paper 10704-66
Time: 11:10 AM - 11:30 AM
Author(s): Steven E. Bauman, Greg Barrick, Tom Benedict, Canada-France-Hawaii Telescope (United States); Armando Bilbao, IDOM Consulting (Spain); Alexis Hill, Maunakea Spectroscopic Explorer (United States); Nicolas Flagey, MSE Project Office (United States); Casey Elizares, Canada-France-Hawaii Telescope (United States); Mike Gedig, Dynamic Structures Ltd (Canada); Greg Green, Canada-France-Hawaii Telescope (United States); Eric Grigel, M3 Engineering & Technology Corp. (United States); David Lo, Dynamic Structures Ltd (Canada); Ivan Look, Canada-France-Hawaii Telescope (United States); Thomas Lorentz, IDOM Consulting (Spain); Nathan Loewen, Sightline Engineering (Canada); Eric Manuel, M3 Engineering & Technology Corp. (United States); Alan McConnachie, Maunakea Spectroscopic Explorer (United States); Ronny Muller, Dynamic Structures Ltd (Canada); Gaizka Murga, IDOM Consulting, Engineering, Architecture (Spain); Rick Murowinski, Maunakea Spectroscopic Explorer (United States); Federico Ruan, M3 Engineering & Technology Corp. (United States); Derrick Salmon, Canada-France-Hawaii Telescope (United States); Kei Szeto, Maunakea Spectroscopic Explorer (United States); José Teran, M3 Engineering & Technology Corp. (United States); Rafael Urrutia, IDOM Consulting (Spain)

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Insight-HXMT science operations

Paper 10704-50

Time: 11:30 AM - 11:50 AM


Author(s): Shumei Jia, Xiang Ma, Yue Huang, Chinese Academy of Sciences (China); Wenzhao Zhang, Beijing Normal University (China); Ge Ou, Institute of High Energy Physics, CAS (China); Liming Song, Jinlu Qu, Shu Zhang, Chinese Academy of Sciences (China); Li Chen, Beijing Normal University (China)

[Add To My Schedule](#) **Lessons learned in extended-extended Spitzer Space Telescope operations**

Paper 10704-51

Time: 11:50 AM - 12:10 PM

Author(s): Lisa J. Storrie-Lombardi, Bolinda Kahr, Joseph Hunt, Jet Propulsion Lab. (United States); Sean J. Carey, Carson Lee Bennett, Nancy Silbermann, Elena Scire, William A. Mahoney, Patrick J. Lowrance, Caltech (United States), IPAC (United States)

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Lunch/Exhibition Break 12:10 PM - 1:40 PM

**Session 11:
Science Operations Processes and Workflows II**

Thursday 14 June 2018

1:40 PM - 5:30 PM


Location: CC Level 3, Room 9A

Session Chairs: Todd A. Boroson, Las Cumbres Observatory Global Telescope Network (United States) ; [Alison B. Peck](#), Gemini Observatory (United States)**Eight years of solar observations with PICARD**

Paper 10704-52

Time: 1:40 PM - 2:00 PM


Author(s): Mustapha Meftah, LATMOS (France); Thierry Corbard, Frédéric Morand, Catherine Renaud, Rabah Ikhlef, Mammour Fodil, Observatoire de la Côte d'Azur (France); André-Jean Vieau, Luc Damé, LATMOS (France)

[Add To My Schedule](#) **The Gemini Observatory large and long programs**

Paper 10704-53

Time: 2:00 PM - 2:20 PM


Author(s): Steven J. Margheim, Gemini Observatory (Chile)

[Add To My Schedule](#) **Reshaping the user experience at the Large Binocular Telescope Observatory (LBTO)**

Paper 10704-54

Time: 2:20 PM - 2:40 PM


Author(s): Michelle L. Edwards, Doug Summers, Joseph Astier, Igor Suarez Sola, Petr Kubánek, Christian Veillet, Jennifer Power, Andrew Cardwell, Shane Walsh, Large Binocular Telescope Observatory (United States)

[Add To My Schedule](#) **Observing recommendations for JWST MIRI users**

Paper 10704-55

Time: 2:40 PM - 3:00 PM


Author(s): Macarena Garcia-Marin, European Space Agency (United States); George Rieke, The Univ. of Arizona (United States); Michael Ressler, Jet Propulsion Lab. (United States); Daniel Dicken, CEA-Ctr. de SACLAY (France); Tom Greene, NASA's Aims Research Center (United States); Jane Morrison, The Univ. of Arizona (United States); Sarah Kendrew, Space Telescope Science Institute (United States); Stacey Alberts, The Univ. of Arizona (United States); Michael Regan, David Law, Ori Fox, Tea Temim, Dean Hines, Space Telescope Science Institute (United States); Pierre-Olivier Lagage, CEA-Ctr. de SACLAY (France); Pamela Klaassen, UK Astronomy Technology Ctr. (United Kingdom); John Pye, University of Leicester (United Kingdom); Gillian Wright, Alistair Glasse, UK Astronomy Technology Ctr. (United Kingdom)

[Add To My Schedule](#) **Target acquisition for multi-object spectroscopy with JWST NIRSpec**


Paper 10704-56

Time: 3:00 PM - 3:20 PM

Author(s): Charles D. Keyes, Tracy L. Beck, Maria Peña-Guerrero, Space Telescope Science Institute (United States); Catarina Alves de Oliveira, European Space Agency (United States); Pierre Ferruit, European Space Agency (Netherlands); Peter Jakobsen, Univ. of Copenhagen (Denmark); Giovanna Giardino, European Space Agency (Netherlands); Marco Sirianni, Torsten Böker, Stephan M. Birkmann, European Space Agency (United States); Charles Proffitt, Space Telescope Science Institute (United States)

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Coffee Break 3:20 PM - 3:50 PM


Flexible and dynamic observing at the ESO Very Large Telescope 

Paper 10704-57

Time: 3:50 PM - 4:10 PM

Author(s): Thomas Bierwirth, European Southern Observatory (Germany); Beatrice Amarandei, Top IT Services (Germany); Giacomo Beccari, European Southern Observatory (Germany); Stéphane Brillant, European Southern Observatory (Chile); Bogdan Dumitru, Informatel International SA/NV (Belgium);

Steffen Mieske, European Southern Observatory (Chile); Moreno Pasquato, European Southern Observatory (Germany); Michael Pruemmm, Informatel International SA/NV (Belgium); Marina Rejkuba, Paula Santos, Lowell E. Tacconi-Garman, Ignacio Vera, European Southern Observatory (Germany)


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The Paranal Observatory eavesdropping mode (POEM), and remote observing at ESO (Conference Presentation)

Paper 10704-58

Time: 4:10 PM - 4:30 PM

Author(s): George Hau, Steffen Mieske, Stéphane Brillant, Marcus Pavez, Ivo Saviane, Stéphane Marteau, European Southern Observatory (Chile)


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Connecting ELT to the current VLT operations scheme: how the telescope and instrument operators, as well as other groups at Paranal Observatory, are preparing the staff for the ELT era

Paper 10704-59

Time: 4:30 PM - 4:50 PM

Author(s): Andres Pino Pavez, Stéphane Brillant, Susana Cerda Hernández, Claudia Cid, Xavier Haubois, Steffen Mieske, Julien Milli, Juan Carlos Muñoz-Mateos, Julio Navarrete, Diego Parraguez, Leonel Rivas, Cristian Romero, Alain Smette, European Southern Observatory (Chile)

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A new sky subtraction optimised flat field calibration system for the 3.9m Anglo-Australian telescope (Conference Presentation)

Paper 10704-61

Time: 4:50 PM - 5:10 PM

Author(s): Anthony J. Horton, Chris Lidman, Doug Gray, Pascal Xavier, Australian Astronomical Observatory (Australia)


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The science calibration challenges of next generation highly multiplexed optical spectroscopy: the case of the Maunakea Spectroscopic Explorer

Paper 10704-62

Time: 5:10 PM - 5:30 PM

Author(s): Alan W. McConnachie, NRC - Herzberg Astronomy & Astrophysics (Canada); Nicolas Flagey, Maunakea Spectroscopic Explorer (United States); Patrick Hall, York Univ. (Canada); Will Saunders, Australian Astronomical Observatory (Australia); Kei Szeto, Alexis Hill, Maunakea Spectroscopic Explorer (United States); Shan Mignot, GEPI, Observatoire de Paris, PSL Research University, CNRS, Univ. Paris Diderot (France)

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FRIDAY 15 JUNE

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Session 12: Site and Facilities Operations I

Friday 15 June 2018

8:30 AM - 12:00 PM

Location: CC Level 3, Room 9A


Session Chairs: [David S. Adler](#), Space Telescope Science Institute (United States); Todd A. Boroson, Las Cumbres Observatory Global Telescope Network (United States)

Using near real-time satellite data for severe weather protection of remote telescope facilities

Paper 10704-80

Time: 8:30 AM - 8:50 AM

Author(s): Balthasar T. Indermuehle, Lisa Harvey-Smith, Malte Marquarding, John Reynolds, CSIRO Astronomy and Space Science (Australia)


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Past and future evolution of Gemini operations

Paper 10704-63

Time: 8:50 AM - 9:10 AM

Author(s): Steven J. Margheim, Gemini Observatory (Chile); Andrew J. Adamson, Atsuko Nitta, Sandy Leggett, Gemini Observatory (United States); Rene Rutten, Bryan Miller, Gemini Observatory (Chile); Inger Jorgensen, Gemini Observatory (United States); Morten Andersen, Gemini Observatory (Chile)

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Visiting instruments as part of a strategic plan

Paper 10704-64

Time: 9:10 AM - 9:30 AM


Author(s): Alison B. Peck, Andrew J. Adamson, Scot J. Kleinman, Laura Ferrarese, Stephen J. Goodsell, Gemini Observatory (United States); Markus Kissler-Patig, European Southern Observatory (Germany)

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Sharing and optimizing operations and resources between Maunakea Observatories

Paper 10704-65

Time: 9:30 AM - 9:50 AM

Author(s): Jessica T. Dempsey, East Asian Observatory (United States); Andrew J. Adamson, Gemini Observatory (United States); Richard H. Matsuda, W. M. Keck Observatory (United States) 


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Las Campanas Observatory

Paper 10704-67

Time: 9:50 AM - 10:10 AM

Author(s): Francesco Di Mille, Konstantina Boutsia, Leopoldo Infante, David J. Osip, Povilas Palunas, Mark M. Phillips, Las Campanas Observatory (Chile)

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Coffee Break 10:10 AM - 10:40 AM

LBTO's long march to full operation: step 3 (Conference Presentation)

Paper 10704-68

Time: 10:40 AM - 11:00 AM


Author(s): Christian Veillet, Large Binocular Telescope Observatory (United States)

[Add To My Schedule](#) **MeerKAT operations in the era of large astronomical telescopes**

Paper 10704-69

Time: 11:00 AM - 11:20 AM


Author(s): Rosly Renil, Ruby van Rooyen, SKA South Africa (South Africa)

[Add To My Schedule](#) **APEX beyond 2016: the evolution of an experiment into an efficient and productive Submillimeter Wavelength Observatory**

Paper 10704-70

Time: 11:20 AM - 11:40 AM


Author(s): Thomas Klein, Francisco Montenegro, Mirosław Ciechanowicz, Claudio Agurto, Juan Pablo Aranedo, Oriel Arriagada, Francisco Azagra, Michael Cantzler, Mauricio Cardenas, European Southern Observatory (Chile); Patricio Caro, MT Mecatronica SpA (Chile); Michael Dumke, Edouard Gonzalez, Christian Herrera, Felipe Mac Auliffe, Rodrigo Parra, Juan Pablo Perez-Beaupuits, Jorge Ramirez, Jorge Santana, Karl Torstensson, Paulina Venegas, European Southern Observatory (Chile)

[Add To My Schedule](#) **Merging operations on the survey telescopes at PAO**

Paper 10704-71

Time: 11:40 AM - 12:00 PM

Author(s): Susana Cerda Hernandez, Steffen Mieske, Stéphane Brilliant, Andres Pino Pavez, Cristian Romero, Carlos La Fuente, European Southern Observatory (Chile)

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Lunch Break 12:00 PM - 1:30 PM

**Session 13:
Site and Facilities Operations II**

Friday 15 June 2018

1:30 PM - 5:20 PM

Location: CC Level 3, Room 9A


Session Chairs: Antonio Chrysostomou, SKA Organisation (United Kingdom) ; Raffaele D'Abrusco, Smithsonian Astrophysical Observatory (United States)

Technical operations and maintenance activities at the Paranal Observatory

Paper 10704-72

Time: 1:30 PM - 1:50 PM

Author(s): Maxime Boccas, Eva Diaz, Michel Frantz, Sergio Gonzalez, Gerd Hüpdepohl, Ismo Kastinen, Vittorio Nurzia, Matteo Pozzobon, Christian Ramirez, Claudio Reinero, Fernando Salgado, Christian Stephan, Javier Valenzuela, European Southern Observatory (Chile)

[Add To My Schedule](#) **Study on application of quality management system to Subaru telescope
(Canceled)**

Paper 10704-73

Time: 1:50 PM - 2:10 PM


Author(s):

Testing of the LSST's photometric calibration strategy at the CTIO 0.9 meter telescope

Paper 10704-74

Time: 2:10 PM - 2:30 PM

Author(s): Michael Coughlin, Harvard Univ. (United States); Susana Deustua, Space Telescope Science Institute (United States); Augustin Guyonnet, Nicholas Mondrik, Harvard Univ. (United States); Joseph P. Rice, National Institute of Standards and Technology (United States); Christopher W. Stubbs, Harvard Univ. (United States); John T. Woodward, National Institute of Standards and Technology (United States)


[Add To My Schedule](#) **The Observatorio Astrofísico de Javalambre: engineering for empowering observatory operations**

Paper 10704-75

Time: 2:30 PM - 2:50 PM

Author(s): Axel Yanes Díaz, Sergio Rueda-Teruel, Rafael Bello, Juan Luis Antón, Carlos López SanJuan, David Cristobal Hornillos, Mikel Domínguez, Alessandro Ederoclite, Fernando Rueda Teruel, Guillermo López Alegre, Andrés Javier Cenarro Lagunas, Antonio Marín Franch, Sergio Chueca, César Íñiguez, Javier Garzarán, Samuel Bielsa, Ildefonso Soriano, Juana Jiménez, Tamara Civera, Juan Castillo, Jesús Varela, Héctor Vázquez Ramiro, Carlos Hernández Monteagudo, Miguel Chioare Díaz Martín, Ramón Iglesias Marzoa, Ctr. de Estudios de Física del Cosmos de Aragón (Spain)




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Operation of the astronomical monitoring stations at Mt. Wumingshan

Paper 10704-76

Time: 2:50 PM - 3:10 PM

Author(s): Yu Liu, Xiaobo Li, Xuefei Zhang, Tengfei Song, Jingxing Wang, Mingyu Zhao, Yunnan Observatories (China); Lidong Xia, Shandong Provincial Key Laboratory of Optical Astronomy and Solar-Terrestrial Environment (China); Qiwu Song, Purple Mountain Observatory (China)

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Coffee Break 3:10 PM - 3:40 PM

More effective fault management at SALT

Paper 10704-77

Time: 3:40 PM - 4:00 PM

Author(s): Keith R. J. Browne, Christian Hettlage, South African Astronomical Observatory (South Africa)


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SALT integrated safety management system

Paper 10704-78

Time: 4:00 PM - 4:20 PM

Author(s): Etienne L. Simon, Johannes C. Coetzee, Keith R. J. Browne, Eben Wiid, Theodore Williams, South African Astronomical Observatory (South Africa)


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Deskilling SALT primary mirror recoating process

Paper 10704-79

Time: 4:20 PM - 4:40 PM

Author(s): Jonathan Love, Johannes C. Coetzee, Hitesh Gajjar, Martin Wilkinson, South African Astronomical Observatory (South Africa)

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A bottom-up and top-down approach to cloud detection

Paper 10704-81

Time: 4:40 PM - 5:00 PM

Author(s): Robert J. Smith, Marco C. Lam, Jonathan M. Marchant, Iain A. Steele, Liverpool John Moores Univ. (United Kingdom)

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