



PROVISIONAL PROGRAMME AS AT 16 OCTOBER 2020

Tuesday, 20 October 2020

| Start | End | |
|----------|----------|---|
| 9:45 AM | 12:30 PM | THE UNVEILING OF THE SAAO AS A NATIONAL HERITAGE SITE |
| 12:30 PM | 2:00 PM | BREAK |
| 2:00 PM | 4:45 PM | KEYNOTE ADDRESSES |
| | | Chairs: Shazrene Mohamed & Rosalind Skelton |
| 2:00 PM | | WELCOME Clifford Nxomani |
| 2:15 PM | | THE SAAO IN THE 21ST CENTURY Petri Vaisanen |
| 2:45 PM | | THE IAU AND ASTRONOMY'S ROLE IN EDUCATION AND DEVELOPMENT Ewine van Dishoeck |
| 3:15 PM | | SKA: BUILDING AN OBSERVATORY TO STUDY THE DAWN OF TIME AND THE ORIGINS OF LIFE Philip Diamond |
| 3:45 PM | | SOCIO-ECONOMIC IMPACT OF SAAO AND SALT Anthony Mietas |
| 4:15 PM | | ASTRONOMY FOR DEVELOPMENT Vanessa McBride |
| 4:45 PM | 5:00 PM | CLOSE OF DAY ONE |

Wednesday, 21 October 2020

| Start | End | |
|----------|----------|--|
| 8:50 AM | 10:10 AM | |
| | | Chairs: Itumeleng Monageng & Daniel Cunnama |
| 8:50 AM | | A GOLDEN AGE FOR ASTRONOMY Bernard Fanaroff |
| 9:10 AM | | THE CAPE OBSERVATORY 1820 - 1972 Ian Glass |
| 9:30 AM | | ROYAL ASTRONOMICAL SOCIETY Emma Bunce |
| 9:50 AM | | USING THE IZIKO PLANETARIUM AND DIGITAL DOME TO BRING SOUTH AFRICAN ASTRONOMY TO THE PUBLIC Sally Macfarlane |
| 10:10 AM | 11:10 AM | BREAK |
| 11:10 AM | 12:50 PM | |
| | | Chairs: Sally Macfarlane & Moses Mogotsi |
| 11:10 AM | | AN UPDATE ON MEERKAT AND PROGRESS TOWARDS THE SKA Rob Adam |
| 11:30 AM | | THE GLEAM 4-JY SAMPLE: THE BRIGHTEST RADIO-SOURCES IN THE SOUTHERN SKY Sarah White |
| 11:50 AM | | THE HISTORY OF SALT: FROM VISION TO REALITY David Buckley |
| 12:10 PM | | SALT AND TESS MONITORING OF CENTRAL STARS OF PLANETARY NEBULAE Kelebogile Bonokwane |
| 12:30 PM | | AFAS THE NEW CONTINENTAL ASTRONOMY PLAYER A TALE OF TWO OBSERVATORIES Jamal Mimouni |
| 12:50 PM | 1:50 PM | BREAK |

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| 1:50 PM | 3:30 PM | |
| | | Chairs: Brad Frank & Naomi Titus |
| 1:50 PM | | OUTREACH AND PUBLICITY - HISTORY AND CURRENT Sivuyile Manxoyi |
| 2:10 PM | | SHARED SKY TO KAROO COSMOS INDIGENOUS KNOWLEDGE AND ETHNO-ASTRONOMY John Parkington |
| 2:30 PM | | NATURAL PHILOSOPHY AND EDUCATION FOR THE COMMON GOOD: PARALLEL ELEMENTS IN THE WORK, LIVES AND THOUGHTS OF VICTORIAN SCIENTISTS Chris Sterken |
| 2:50 PM | | COSMOLOGY WITH THE SKA Roy Maartens |
| 3:10 PM | | MULTIWAVELENGTH VIEWS OF FEEDBACK AND THE BARYON CYCLE Moses Mogotsi |
| 3:30 PM | 3:40 PM | WRAP UP OF DAY TWO |
| 3:40 PM | 4:40 PM | POSTER SESSION |
| Thursday, 22 October 2020 | | |
| Start | End | |
| 8:30 AM | 10:10 AM | |
| | | Chairs: Jordan Collier & Tshamisio Makwela |
| 8:30 AM | | BEFORE THE BIG BANG OF THE SQUARE KILOMETRE ARRAY (SKA): 250 YEARS OF ASTRONOMY IN SOUTH AFRICA Saul Dubow |
| 8:50 AM | | AN E-LEARNING PLATFORM FOR AFRICAN RADIO ASTRONOMY Ruby van Rooyen |
| 9:10 AM | | THE NATIONAL ASTROPHYSICS AND SPACE SCIENCE PROGRAMME (NASSP) Patricia Whitelock |
| 9:30 AM | | LINE-OF-SIGHT-EFFECTS IN STRONG GRAVITATIONAL LENSING Julien Larena |
| 9:50 AM | | HISTORICAL CHALLENGES OF ASTRONOMY TRANSFORMATION IN SOUTH AFRICA Lerothodi Leeuw |
| 10:10 AM | 11:10 AM | BREAK |
| 11:10 AM | 12:50 PM | |
| | | Chairs: Daniel Cunnama & Jacinta Delhaize |
| 11:10 AM | | COSMOLOGY IN SOUTH AFRICA Amanda Weltman |
| 11:30 AM | | THE CONUNDRUM OF HUBBLE CONSTANT: A PHYSICAL SOLUTION Yin-zhe Ma |
| 11:50 AM | | IMAGING BLACK HOLE SHADOWS FROM AFRICAN SOIL Roger Deane |
| 12:10 PM | | A MULTIWAVELENGTH STUDY OF BE XRAY BINARIES IN THE SMALL MAGELLANIC CLOUD Itumeleng Monageng |
| 12:30 PM | | ASTROSTAYS: COMMUNITY-CENTRIC ASTRO-TOURISM FOR LIVELIHOOD CREATION Amidou Sorgho |
| 12:50 PM | 1:50 PM | BREAK |
| 1:50 PM | 3:30 PM | |
| | | Chairs: Kathryn Rosie & Nikki Peceur |
| 1:50 PM | | THE EFFECTS OF ENVIRONMENT ON GALAXY EVOLUTION Rosalind Skelton |
| 2:10 PM | | NICOLAS-LOUIS DE LACAILLE: PIONEER OF SCIENTIFIC CARTOGRAPHY IN SOUTHERN AFRICA Roger Stewart |
| 2:30 PM | | A BRIEF HISTORY OF THE RADCLIFFE OBSERVATORY IN SOUTH AFRICA Robin Catchpole |
| 2:50 PM | | SKA AFRICAN VLBI NETWORK Carla Sharpe |
| 3:10 PM | | BREAKING THE SHACKLES OF TIME: LIBRARY & INFORMATION SERVICES IN ASTRONOMY (LISA) AT THE SAAO Theresa de Young |
| 3:30 PM | 4:00 PM | BREAK |
| 4:00 PM | 5:00 PM | |
| | | Chairs: Daniel Cunnama & Daniël Groenewald |
| 4:00 PM | | SUNNY OUTLOOK FOR COMPUTATIONAL STELLAR ASTROPHYSICS Shazrene Mohamed |
| 4:20 PM | | AFTER GILL: THE SHAPE OF ASTRONOMY IN SOUTH AFRICA, 1907 - 1937 Keith Snedegar |
| 4:40 PM | | DEVELOPING AN ARRAY OF SMALL PARABOLIC ANTENNAS AT MAURITIUS RADIO TELESCOPE (MRT) SITE FOR RADIO ASTRONOMY EXPERIMENTS Albert Forson |
| 5:00 PM | 5:15 PM | CLOSE OF DAY THREE |

Friday, 23 October 2020

| Start | End | |
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| 8:30 AM | 10:10 AM | |
| | | Chairs: Nicolas Erasmus & Mokhine Motsoaledi |
| 8:30 AM | | HOW AGN STUDIES ARE BENEFITING ASTRONOMY DEVELOPMENT IN ETHIOPIA AND AFRICA? Mirjana Povic |
| 8:50 AM | | THE ASTRONOMICAL SOCIETY OF SOUTHERN AFRICA Chris Stewart |
| 9:10 AM | | GAMMA-RAY ASTRONOMY IN SOUTHERN AFRICA AND SCIENTIFIC SYNERGIES BETWEEN SAAO, SKA AND HIGH-ENERGY ASTROPHYSICS Garret Cotter |
| 9:30 AM | | SOUTHERN AFRICAN LARGE TELESCOPE SPECTROSCOPY OF BLAZARS FOR THE CHERENKOV TELESCOPE ARRAY PROJECT Eli Kasai |
| 9:50 AM | | PUBLIC ENGAGEMENT AT SAAO: ASTRONOMY IN THE COMMUNITY Tana Joseph |
| 10:10 AM | 11:10 AM | BREAK |
| 11:10 AM | 12:50 PM | |
| | | Chairs: Lee Townsend & Jacinta Delhaize |
| 11:10 AM | | DARK ENERGY WITH HIRAX 21CM INTENSITY MAPPING Kavilan Moodley |
| 11:30 AM | | THE STRUCTURE OF A QUASI KEPLERIAN DISC AROUND A MILLISECOND X-RAY PULSAR Edward Juruu |
| 11:50 AM | | IMPACT OF ASTRONOMY IN TRANSFORMING AFRICA Solomon Tessema |
| 12:10 PM | | WHAT CAN THE SIMBA GALAXY FORMATION SIMULATIONS DO FOR YOU? Romeel Dave |
| 12:30 PM | | STAR CLUSTERS AND RADIO AGNS AS VITAL TOOLS TO STUDY STAR FORMATION AND GALAXY EVOLUTION Zara Randriamanakoto |
| 12:50 PM | 1:50 PM | BREAK |
| 1:50 PM | 3:30 PM | |
| | | Chairs: Zara Randriamanakoto & Rudi Kuhn |
| 1:50 PM | | THE UK SALT CONSORTIUM - 50 YEARS OF UK ASTRONOMERS' COLLABORATION WITH SOUTH AFRICA Phil Charles |
| 2:10 PM | | SLIT MASKS IFUS (SMI) FOR THE ROBERT STOBIE SPECTROGRAPH ON SALT Sabyasachi Chattopadhyay |
| 2:30 PM | | A HIGH RESOLUTION STUDY OF A SUPERNOVA EVOLUTION Naftali Kimani |
| 2:50 PM | | MULTIWAVELENGTH ASTRONOMY IN NAMIBIA Michael Backes |
| 3:10 PM | 3:40 PM | BREAK |
| 3:40 PM | 4:45 PM | |
| | | Chairs: Zara Randriamanakoto & Marcin Glowacki |
| 3:40 PM | | 50 YEARS OF ASTRONOMY AT UCT Patrick Woudt |
| 4:00 PM | | MACHINE LEARNING APPLICATIONS IN SOUTH AFRICA Michelle Lochner |
| 4:20 PM | | THE AGE OF AI: THE NEXT 200 YEARS Bruce Bassett |
| 4:40 PM | 4:55 PM | CLOSE OF SAAO 200 SYMPOSIUM |