

**IAU Symposium : Planetary Science, Exoplanets in the Era of James Webb Space Telescope. Cap Town, South Africa - August 13 - 15, 2024**

| Cap Town<br>(SAST, GMT+2)          | Speakers                                      |   | Type of<br>Participation |
|------------------------------------|---|---|--------------------------|
|                                    | Name  | Title   |                          |
| <b>Tuesday August, 13th 2024</b>   |   |   |                          |
| 08:30 - 10:00                      | N/A   | N/A   | In person                |
| 10:00 - 10:30                      | <b>Posters &amp; coeffe break</b>             |   |                          |
|                                    | <b>Chair: Andrew Szentgyorgyi</b>             |   |                          |
| 10:30 - 11:00                      | <b>Invited: Knicole Colon</b>                 | <b>The Dawn of a New Era for Exoplanet Detection and Characterization with JWST</b>                                       | In-person                |
| 11:00 - 11:15                      | Thomas Greene                                 | The JWST MANATEE program: Atmospheric compositions, clouds, chemistry, and processes of a diverse exoplanet               | In-person                |
| 11:15 - 11:30                      | Zouhair Benkhaldoun                           | TRAPPIST-North at the Oukaimeden Observatory: a success story in the field of planetary sciences.                         | In-person                |
| 11:30 - 11:45                      | Alexander Wolszczan                           | A Search for White Dwarf Planets by Detecting the Unipolar Star-Planet Interaction  | In-person                |
| 11:45 - 12:00                      | Edward Gomez                                  | Exoplanets in education: rise of the robotic telescopes   | In-person                |
| 12:00 - 13:30                      | Lunch   |   |                          |
|                                    | <b>Chair: Zouhair Benkhaldoun</b>             |   |                          |
| 13:30 - 14:00                      | <b>Invited: Mark Clampin</b>                  | <b>The Habitable Worlds Observatory</b>   | In-person                |
| 14:00 - 14:15                      | Chima McGruder                                | Exploring Correlations of High-Altitude Aerosol Formation in Planetary Systems with Similar Parameters                    | In-person                |
| 14:15 - 14:30                      | Amri Wandel                                   | Observing Biosignatures from Exoplanets outside the Conservative Habitable Zone   | In-person                |
| 14:30 - 14:45                      | Dominique Petit dit de la Roche               | The importance of ground-based transmission spectra in characterising stellar activity for JWST                           | In-person                |
| 14:45 - 15:00                      | Engin Keles                                   | Probing Lava World atmospheres: Using ground-based facilities complementary to JWST                                       | In-person                |
| 15:00 -15:30                       | <b>Posters &amp; coeffe break</b>             |   |                          |
|                                    | <b>Chair: Dominique Petit dit de la Roche</b> |   |                          |
| 15:30 - 16:00                      | <b>Invited: Jian Ge</b>                       | <b>The Earth 2.0 (ET) Space Mission</b>   | In-person                |
| 16:00 - 16:15                      | Lisa Crause                                   | Equipping SALT's High-Resolution Spectrograph for Precision Radial Velocity Science                                       | In-person                |
| 16:15 - 16:30                      | Stefano Bellotti                              | Characterising the magnetic field and space environment of known exoplanet hosts: the case of GJ 436 and HD 63433         | In-person                |
| 16:30 - 16:45                      | Rena Lee                                      | Pinning down the masses of ultra-short-period earth-sized planets with extreme-precision radial velocities as prospective | In-person                |
| 16:45 - 17:00                      | Zakaria Belhaj                                | Bridging the Cosmos: Exploring Exoplanet Detection in Astronomy Education and Outreach                                    | Virtual                  |
| 17:15- 18:30                       | N/A   | N/A   | In-person                |
| <b>Wednesday August, 14th 2024</b> |   |   |                          |
| 08:30 - 09:15                      | Geronimo Villanueva                           | A new era in solar system astronomy with JWST   | In person                |
| 09:15 - 10:00                      | Andrew Szentgyorgyi                           | Searching for Evidence of Life Beyond the Solar System with the GMT at the Dawn of the ELT/NWO Era                        | In person                |
| 10:00 - 10:30                      | <b>Posters &amp; coeffe break</b>             |   |                          |
|                                    | <b>Chair: Vincent Kofman</b>                  |   |                          |
| 10:30 - 11:00                      | <b>Invited: Marie-Eve Naud</b>                | <b>Exoplanets in the Classroom - Bilingual Astronomy Resources for Educators, by Educators</b>                            | Virtual                  |
| 11:00 - 11:15                      | Thomas Fauchez                                | The CUISINES Project: Exoplanet Model Intercomparisons in the JWST era  | In person                |
| 11:15 - 11:30                      | Jamila Chaouqar                               | Surface pressure impact on nitrogen-dominated USP super-Earths atmospheres  | In person                |
| 11:30 - 11:45                      | Emma Esparza-Borges                           | JWST and cross-correlations: A faster alternative for atmospheric studies   | Virtual                  |
| 11:45 - 12:00                      | Claudia Mignone                               | Bringing the night sky to the living room: Reflections on 3+ years live streaming astronomical events                     | Virtual                  |
| 12:00 - 13:30                      | Lunch   |   |                          |
|                                    | <b>Chair: Xian Shi</b>                        |   |                          |
| 13:30 - 14:00                      | <b>Invited: Maram KAIRE</b>                   | <b>Education and outreach in planetary science</b>  | In-person                |
| 14:00 - 14:15                      | Liton Majumdar                                | Linking Gas-Giant Atmospheres with Planetary Formation Constrained by JWST Observations                                   | Virtual                  |
| 14:15 - 14:30                      | Salma Salhi                                   | Using score-based diffusion models for correlated 1/f noise reduction in JWST spectral data                               | In-person                |
| 14:30 - 14:45                      | Vincent Kofman                                | Observables of 3D atmospheric and surface effects in JWST observations  | In-person                |
| 14:45 - 15:00                      | Rafael Luque                                  | Complejo Astronomico Los Coloraos: an outreach oasis in the Andalusian desert   | In-person                |
| 15:00 -15:30                       | <b>Posters &amp; coeffe break</b>             |   |                          |
|                                    | <b>Chair: Dennis Bodewits</b>                 |   |                          |
| 15:30 - 16:00                      | <b>Invited: Geronimo Villanueva</b>           | <b>A new era in solar system astronomy with JWST</b>  | In-person                |
| 16:00 - 16:15                      | Sara Faggi                                    | CO2 and CO heterogenous outgassing and their isotopic ratios in Centaur 29P/S-W1 with JWST                                | In-person                |
| 16:15 - 16:30                      | Cyrielle Opitom                               | A link between the size and composition of comets?  | In-person                |
| 16:30 - 16:45                      | Andrew Rivkin                                 | JWST Observations of Ceres, Pallas, and Hygiea: Surviving Planetary Embryos from Our Solar System's Formation             | In-person                |
| 16:45 - 17:00                      | Meryem Guennoun                               | Unveiling New Parent Bodies in Meteor Showers: A Robust Methodological Approach   | In-person                |
| 17:15- 18:30                       | N/A   | N/A   | In-person                |
| <b>Thursday August, 15th 2024</b>  |   |   |                          |
| 08:30 - 10:00                      | N/A   | N/A   | In person                |
| 10:00 - 10:30                      | <b>Posters &amp; coeffe break</b>             |   |                          |
|                                    | <b>Chair: Youssef Moulane</b>                 |   |                          |
| 10:30 - 11:00                      | <b>Invited: Leigh Fletcher</b>                | <b>JWST: A New Explorer for Giant Planet Systems</b>  | Virtual                  |
| 11:00 - 11:15                      | Ewine van Dishoeck                            | Probing the gas that builds planets: results from the JWST MINDS disk program   | In person                |
| 11:15 - 11:30                      | Itziar de Gregorio-Monsalvo                   | Water at the earliest stages of star and planet formation   | In person                |
| 11:30 - 11:45                      | Antonio Garufi                                | Hunting Protoplanets. The planet formation seen by ground-based telescopes.   | In person                |
| 11:45 - 12:00                      | Anastasiia Topchieva                          | Ices on pebbles in protoplanetary discs   | In person                |
| 12:00 - 13:30                      | Lunch   |   |                          |
|                                    | <b>Chair: Itziar de Gregorio-Monsalvo</b>     |   |                          |
| 13:30 - 14:00                      | <b>Invited: Bin Yang</b>                      | <b>Physical Characterization of Intriguing Distant Comets with JWST</b>   | In-person                |
| 14:00 - 14:15                      | Ian Wong                                      | JWST Observations of KBOs, Centaurs, and Trojan asteroids: A unique window into the dynamical history of the outer        | Virtual                  |
| 14:15 - 14:30                      | Dennis Bodewits                               | First detection of water vapor surrounding a main-belt comet  | In-person                |
| 14:30 - 14:45                      | Colin Snodgrass                               | The Comet Interceptor mission   | In-person                |
| 14:45 - 15:00                      | Youssef Moulane                               | Implementing an AstroLab Project in Africa  | In-person                |
| 15:00 -15:30                       | <b>Posters &amp; coeffe break</b>             |   |                          |
|                                    | <b>Chair: Meryem Guennoun</b>                 |   |                          |
| 15:30 - 16:00                      | <b>Invited: Soumaya Saad</b>                  | <b>Planetary science and Exo-Planets from James Webb to public outreach and education</b>                                 | Virtual                  |
| 16:00 - 16:15                      | James Miley                                   | The interactions between debris discs exoplanets: A multi-wavelength view towards Beta Pic                                | In person                |
| 16:15 - 16:30                      | Susanne Pflazner                              | Connecting disk lifetime variety to planet diversity  | In person                |
| 16:30 - 16:45                      | Tamara Molyarova                              | Volatiles and C/O ratios as a result of dust drift in self-gravitating protoplanetary discs                               | In person                |
| 16:45 - 17:00                      | Anne Chamberlain                              | Empowering Communities: Project Panoptes and the Wisdom of "Ananse and the Pot of Wisdom"                                 | In person                |
| 17:15- 18:30                       | N/A   | N/A   | In-person                |