

IAU Symposium #391

The first chapters of our cosmic history with JWST

6-9th of August 2024 Cape Town, South Africa



KEY SCIENTIFIC THEMES

- Uncovering the physical and chemical properties of first galaxies in the Universe with JWST.
- Determining the role of first stars, galaxies, AGN, and quasars in reshaping the first billion years of the Universe.
- Revealing the rapid mass and dust build up pathways of the first massive galaxies in the early Universe with JWST.
- The abundance and quenching mechanisms of the first massive quiescent galaxies in the Universe.
- The large scale structures of the early Universe uncovered by JWST.
- Simulating the first chapters of our cosmic history with new observational constraints from JWST.
- JWST observatory updates: what have we learnt about the facility in the first 2 years.
- Utilizing JWST effectively with strengths of Hubble and other ground based facilities.
- Addressing critical science that has not been covered with JWST by Cycle 3.

Registration: <https://astronomy2024.org/registration/>

Abstract & Grant submission: <https://astronomy2024.org/abstracts-grants/> (by March 1st 2024)

VISION

To foster a dynamic exchange of innovative scientific ideas of the early cosmos through the lens of JWST and ignite a passion for space among Africa's next generation of scientists.

Invited Speakers

- Rebecca Bowler
- Laure Ciesla
- Pratika Dayal
- Richard Ellis
- Karl Glazebrook
- Nancy Levenson
- Masafusa Onoue
- Laura Pentericci
- Naveen Reddy
- Jorge Zavala

SOC

- Denis Burgarella
- Valentino Gonzalez
- Kathryn Grasha
- Hanae Inami
- Taysun Kimm
- Michael Maseda
- Themiya Nanayakkara
- Irene Shivaiei
- Laurence Tresse