

Science with the Hubble and James Webb Space Telescopes VI

Entering a golden age for UV – Optical - IR space astronomy

Agenda

(Times are in CET)

11-15 July 2022, Stockholm

Monday, July 11th

Session 1:

Chair: Paule Sonnentrucker

- 09:30 Registration / Coffee
- 10:30 Conference Opening & Welcome: Göran Östlin (Stockholm)
- 10:40 Welcome: Markus Kissler-Patig (ESA)
- 10:50 Welcome: Nancy Levenson (STScI)
- 11:00 Adam Riess: Surprises from the Expansion of the Universe
- 11:30 Hakon Dahle: Time Delays in Cluster Lenses as An Independent Avenue for Measuring H_0
- 11:50 Daniel Schaerer: Insight on The Sources of Cosmic Reionization: From HST Towards JWST
- 12:10 Rachana Bhatawdekar: Studying the Epoch of Reionization Combining JWST With the Power of Gravitational Lensing
- 12:40 Lunch

Session 2:

Chair: Matthew Hayes

- 14:00 Dan Coe: Discovering the First Galaxies with Gravitational Lensing
- 14:20 Brian Welch: The light of Earendel: A Massive Star at $z = 6.2$
- 14:50 Guillaume Mahler: The Next Generation of Extraordinary Cluster Lenses for JWST - Dark Matter Distribution & High- z Universe
- 15:10 Coffee

Session 3:

Chair: Markus Kissler-Patig

- 15:40 Göran Östlin: The Legacy of The Lyman Alpha Reference Sample in The JWST Era
- 16:10 Lorenz Roth: A Decade of HST Searches for Plumes on Jupiter Moon Europa & Prospects For JWST
- 16:40 Panel discussion: HST
- 17:30 Close
- 18:00 Welcome reception / networking

Tuesday, July 12th

Session 4:

Chair: Angela Adamo

- 10:00 Coffee available
- 10:30 Dan Stark: Spectroscopy of Metal Poor Galaxies in the Reionization Era
- 11:00 Svea Hernandez: Uncovering the Fueling Star Formation History Through Cosmic Time: M83 As a Local Probe of CO-Dark Gas
- 11:20 Marika Giuliatti: Illuminating the Dark Side of Cosmic Star Formation at $z > 3$
- 11:40 Kalliopi Dasyra: Observable Pressure Gradients Can Show the Dynamical Fate of Molecular Clouds In Outflows
- 12:00 Tara Fetherolf: The MOSDEF Survey: Probing Resolved Stellar Populations At $z \sim 2$ Using A New Bayesian-Defined Morphology Metric
- 12:20 Andy Bunker: Spectroscopy with the JWST Advanced Deep Extragalactic Survey (JADES) – the NIRSspec/NIRCAM GTO Galaxy Evolution
- 12:40 Lunch

Session 5:

Chair: Jennifer Wisemann

- 14:00 Danielle Berg: Bridging Galaxy Evolution Across Cosmic Time with The CLASSY Survey
- 14:30 Arjan Bik: Super Star Cluster Feedback in Nearby Luminous Blue Compact Galaxies: HST And VLT In Concert

- 14:50 Martha Boyer: Finally Solving Thermally-Pulsing AGB Stars with HST And JWST
- 15:10 Poster presentations
- 15:30 Coffee

Session 6:

- 16:30-17:30 **JWST FIRST SCIENCE RELEASE**
- 18:30 Public Event at the Nobel Museum feat. Adam Riess & Daniela Calzetti

Wednesday, July 13th

Session 7:

Chair: Matthew Hayes

- 09:00 Coffee available
- 09:30 JWST Keynote – Roberto Maiolino: NIRSpec
- 10:00 Angela Adamo: Star Cluster Formation and Feedback in The Local Universe: Setting the Stage for JWST Observations of Local Star-Forming Galaxies
- 10:30 Linda Smith: HST Observations of Very Massive Stars in Young Super Star Clusters
- 10:50 Elena Sabbi: Time-Domain Study of The Young Massive Cluster Westerlund 2 With HST
- 11:10 Guido De Marchi: New Light on Star Formation in Massive Clusters
- 11:30 Short break

Session 8:

Chair: Daniela Calzetti

- 11:45 JWST Keynote – Pierre-Olivier Lagage: MIRI
- 12:15 Heidi Hammel: Solar System Science With JWST
- 12:45 Close
- 18:00 Conference dinner at Vasa Museum

Thursday, July 14th

Session 9:

Chair: Chris Evans

- 10:00 Coffee available
- 10:30 Julia Roman-Duval: ULLYSES Harnesses the Spectroscopic Powers of Hubble: Overview and Initial Results of This Stellar Program and Application to Astrophysics of The Interstellar Medium
- 11:00 Elena Sacchi: Unlocking IR Stellar Populations in The Local Volume: The Power of Combining HST and JWST
- 11:20 Matteo Correnti: Constraining Globular Cluster Properties Using IR Photometry: New Breakthroughs and Future Prospects
- 11:40 Anna Francesca Pala: Synergies Between HST & Gaia: A Test for Current Models of Binary Evolution
- 12:00 Poster presentations
- 12:30 Lunch

Session 10:

Chair: Giovanna Tinetti

- 14:00 JWST Keynote – Martha Boyer: NIRCам
- 14:30 JWST Keynote – David Lafrenière: NIRISS
- 15:00 David Wilson: Measurements of The Ultraviolet Spectral Characteristics of Low-Mass Exoplanetary Systems (Mega-MUSCLES)
- 15:20 Coffee

Session 11:

Chair: Chris Evans

- 15:50 Fabio Favata: Future ESA program & Voyage 2050
- 16:20 Panel discussion: JWST / HST+JWST synergies
- 17:20 Close

Friday, July 15th

Session 12:

Chair: Giovanna Tinetti

- 10:00 Coffee available
- 10:30 Pat Irwin: New insights into Uranus and Neptune
- 11:00 Angelos Tsiaras: Water Vapor Detection on The Habitable-Zone Planet K2-18b
- 11:30 Nicholas Ballering: Observing Ices in Protoplanetary Disks with JWST
- 11:50 Elisabeth Matthews: Direct Detection of Exoplanets with JWST
- 12:20 Markus Kissler-Patig: Conference wrap-up & future perspectives
- 12:45 Close