Schedule

Monday May 26

8:00–9:00 am Registration

9:00–9:10 am Opening
9:10–9:15 am Introductory remarks
9:15–9:55 am John Bally: *My Life in Astronomy: Star Formation, Feedback, and Beyond*

Session 1: Stellar feedback on the molecular cloud scale

9:55–10:35 Joao Alves: *Sculpting the local ISM*
10:35–10:55 Peter Schilke: *Feedback from high-mass star-forming regions*
10:55–11:00 LOC announcements

11:00–11:25 Coffee Break

11:25–11:45 Tom Megeath: *JWST Observations of Feedback from Deeply Embedded (Class 0) Protostars Across the Mass Spectrum*
11:45–12:05 Alena Rottensteiner: *Towards a holistic view of the star formation history of Orion*
12:05–12:25 Jan Forbrich: *Adventures of the Orion Radio All-Stars: intense radio outbursts, X-ray megaflares, and a novel VLBI search for ensuing coronal mass ejections*

12:20–1:45 Lunch

1:45–2:15 Bo Reipurth: *What unifies giant HH jets, stellar mergers, and the IMF? N-body-dynamics!*
2:15–2:45 Adam Ginsburg: *The Orion BN/KL explosion*
2:45–3:05 Sansith Hewapathirana: *The effect of Protostellar Jets on the surrounding ISM*
3:05–3:25 Hector G. Arce: *Protostellar feedback at envelopes scales*
3:25-6:00 Posters

Tuesday May 27

Session 1 continued

8:30–9:00 Anna Rosen: *Feedback by massive protostars: simulations*

9:00–9:30 Megan Reiter: *UV feedback in stellar clusters: photo-evaporation of planet forming disks and proplyds*
9:30–9:50 Patrick Hartigan: *Dynamics Within Carina's Irradiated Western Wall*
9:50–10:10 David Rebolledo: *A resolved view of the impact of massive star formation in the atomic, molecular and ionized gas in the Carina Nebula*
10:10–10:15 LOC announcements

10:15–10:45 Coffee Break

10:45–11:05 Cornelia Pabst: *To Bubble or Not to Bubble: Stellar Feedback in Orion and 30 Doradus*
11:05–11:25 Simon Dannhauer: *The future of FEEDBACK*
11:25–11:45 Marc Pound: *The PhotoDissociation Region Toolbox*
11:45–12:05 Dimitris Souropanis: *Time dependent mechanical feedback during life and death of populations of binary massive stars*
12:05-12:35 Melanie Chevance: *Feedback and the evolution of molecular clouds*

12:35–2:00 Lunch

Session 2: Stellar feedback and galactic ecology

2:00–2:40 Steffie Walch: *Stellar feedback and the ecology of galaxies: Simulations*
2:40–3:10 Angela Adamo: *JWST's view on Feedback and the ecology of galaxies*
3:10–3:40 Anna Mcleod: *Pre-supernova stellar feedback*

3:40–4:10 Coffee Break

4:10–4:40 Natalia Lahen: *Massive star cluster formation in a galactic context*
4:40–5:00 Enrique Vazquez-Semadeni: *Photoionizing feedback: cloud support, cloud formation, or cloud destruction?*
5:00–5:20 Cheryl Lau: *Semi-confined supernovae in HII region bubbles*
5:20–5:40 Ryan Chown: *JWST Imaging of 74 Nearby Galaxies, and Establishing PAH Emission as a Sensitive, High-resolution Tracer of Cold Gas*
5:40-6:00 Laura Posch: *Stellar feedback is driving sequential star formation in the Sco-Cen OB association*

8:00–10:00 Evening session: The contribution of amateurs to professional astronomy

8:00–8:30 Trina Ruhland: *The amateur view of asteroids*
8:30–9:00 Mary Putman: *The MDW Halpha survey*
9:00–9:30 Pranvera Hyseni: *Amateur contributions to astronomy*

Wednesday May 28

8:30–9:00 Sabrina Appel: *The cycle of star formation across scales: stellar feedback as a source of interstellar turbulence*
9:00–9:20 Lise Ramambason: *New constraints on the physics of the embedded feedback phase with JWST*
9:20–9:40 Morten Andersen: *Shaping their masses: The initial mass function across environments*
9:40–10:00 Bronwyn Reichardt Chu: *How star formation-driven outflows regulate star formation*
10:00–10:05 LOC announcements

10:05-10:35 Coffee Break

Session 3 Stellar feedback in extreme environments

10:35-11:15 Tim Heckman: *Feedback from Stars vs. Black Holes: What is Each Good For?*
11:15–11:35 Svea Hernandez: *Uncovering the effects of star formation in the heart of M83*
11:35–11:55 Jan Palous: *Feeding supermassive black holes by supernova-driven shells*
11:55–12:15 Thomas Stanke: *Molecular clouds roasted by starburst clusters*

Lunch & Excursion

Thursday May 29

8:30–9:00 Mattia Sormani: *Star formation in the Central Molecular Zone: Theory*
9:00–9:30 Steven Longmore: s*tar formation in the Central Molecular Zone: Observations*
9:30–10:00 Gabriele Ponti: *High energy view of galactic center feedback*
10:00–10:20 Ruben Fedriani: *Unveiling the Extreme Conditions of Star Formation in the CMZ with JWST-NIRCam*
10:20–10:25 LOC announcements

10:25–10:55 Coffee Break

10:55–11:15 Samuel Crowe: *Ionized Gas Filamentation in Sgr C: Evidence for Magnetically Dominated HII Regions in the CMZ*
11:15–11:35 Xing Lu: *Cores and filaments in the Central Molecular Zone are unlike those in the Galactic disk clouds*
11:35–11:55 Juergen Ott: *Energized Clouds in the Milky Way Bar: Overshooting, Colliding, and Accreting Gas*
11:55–12:15 Anjali Gupta: *Unveiling the Thermal Structure and Super-Solar Nitrogen Abundance in the Milky Way's Circumgalactic Medium*

12:15–1:40 Lunch

Session 4: Stellar feedback on extragalactic scales

1:40–2:10 Alberto Bolatto: *Galactic Winds from Nuclear Starbursts and Their Super Star Clusters*
2:10–2:30 Diederik Kruijssen: *The Empirically-Motivated Physics (EMP) simulations of galaxy formation and evolution*
2:30–2:50 Frank Bigiel: *"mm-spectroscopy" across nearby galaxies - dense gas fraction and star formation efficiencies from cloud to galaxy*

2:50–5:30 Poster Session

Conference dinner

Friday May 30

Session 4 continued

8:30-9:00 Szabolcs Meszaros: *Chemical feedback of stars and the evolution of the Milky Way galaxy*
9:00–9:20 Zixuan Peng: *Physical Origins of Outflowing Cold Clouds in Local Star-forming Dwarf Galaxies*
9:20–9:40 Sara Beck: *Caught in the Act!: Embedded Star Clusters Accreting and Expelling Molecular Clouds in He2-10*
9:40–10:00 Kengo Tachihara: *A Study of Massive Star Cluster Formation in the Large Magellanic Cloud from Their Kinematic Properties*
10:00–10:20 Emma Kleiner: *Mapping Motions in the Nearest Galaxies*
10:20–10:25 LOC announcements

10:25–10:55 Coffee Break

10:55–11:15 Jin Koda: *Molecular gas evolution and star formation in galactic dynamics*
11:15–11:35 Danial Langeroodi: *Evolution of Gas-phase Metallicity and Dust Attenuation from z ~ 14 to Cosmic Noon*
11:35–11:55 Eric Andersson: *Star-by-star formation of dwarf galaxies in cosmological environments*
11:55–12:15 Matt Orr: *The (Un)Changing ISM in FIRE Galaxies through Cosmic Time*

12:15–1:40 Lunch

Session 5: Summary

1:40–2:10	Bruce Elmegreen *Reflections on the conference*
2:10-2:40	Chris Reynolds: *AXIS view on Feedback and the ecology of galaxies*
2:40–3:10	Mark Krumholz: *A theorist's view on future developments in studies of feedback and the ecology of galaxies*
3:10–3:40	Margaret Meixner: *Summary and future directions*
3:40–3:45	Closing remarks