

4th Spitzer Conference: "The Evolving ISM in the Milky Way and Nearby Galaxies": FINAL SCHEDULE / AGENDA

Sunday, December 2

17:00–19:00 Welcome Reception (Hilton Hotel / International Ballroom) Everyone is strongly encouraged to attend. 1/2 hr scheduled program + drinks and hors d'oeuvres.



Monday, December 3

WELCOMING REMARKS & LOGISTICS

08:30–08:40 President Jean-Lou Chameau (CIT)– Welcome
08:40–08:50 Tom Soifer – Opening Remarks
08:50–09:00 Alberto Noriega–Crespo and Kartik Sheth – Logistics

Session I: Gas in the Interstellar Medium – An Observational Overview

Session Chair: Ed Churchwell

09:00–09:45 Bob Benjamin – Invited Review Talk (Milky Way)
09:45–10:30 Margaret Meixner – Invited Review Talk (Nearby Galaxies)
10:30–10:45 Selected poster presentations

10:45–11:30 *Coffee break / Posters*

Session II: Special Session on the Warm Spitzer Mission

Session Chair: Mike Werner

11:30–11:45 Lisa Storrie–Lombardi – Warm Mission Overview
11:45–12:00 Pat McCarthy – Science in the Warm Spitzer Era
12:00–12:15 George Helou – ISM Themes in the Warm Spitzer Era
12:15–12:30 Questions and Discussion

12:30–14:00 *Lunch break*

Session III: Gas in the Interstellar Medium: A Multi-Wavelength Synthesis

Session Chair: Francine Marleau

14:00–14:15 Jin Koda – ISM Evolution in M51
14:15–14:30 Felix Lockman – Dust in the Galactic ISM at High Latitudes:
the FIR/H_i Correlation
14:30–14:45 Edvige Corbelli – The Gas to Star Conversion in Local Group
Spirals
14:45–15:30 Eve Ostriker – Invited Review Talk (Theory)
15:30–15:45 Selected poster presentations

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15:45-16:30 *Coffee break / Posters*

Session IV: Gas in the Interstellar Medium: H₂ and PAHs: From the Celestial Laboratory to the Terrestrial

Session Chair: Patrick Ogle

- 16:30-16:45 David Neufeld - Probing Warm Molecular Hydrogen with Spitzer/IRAC
16:45-17:00 Gordon Stacey - Pure Rotational Line Emission from the Disk of NGC 891
17:00-17:15 Caroline Bot - Diagnostic Value of Mid-Infrared Fine Structure Lines in Galaxies
17:15-17:30 Christine Joblin - A Global Picture of the Physical and Chemical Evolution of the Mid-IR Emitters, from Spitzer to the Laboratory
17:30-17:45 Frederic Galliano - The PAH and Dust Contents of an Evolutionary Sequence of Nearby Galaxies

17:45-18:45 "Happy Hour" (Cocktails served)



Tuesday, December 4

Session V: Dust in the Interstellar Medium – An Observational Overview

Session Chair: Peter Martin

- 08:30-09:15 Francois Boulanger - Invited Review Talk (Milky Way)
09:15-10:00 Karl Gordon - Invited Review Talk (Nearby Galaxies)
10:00-10:15 Selected poster presentations

10:15-10:45 *Coffee break / Posters*

Session VI: Understanding Dust and Its Ubiquitous Presence

Session Chair: Ciska Markwick-Kemper

- 10:45-11:30 Xander Tielens - Invited Review Talk (Theory)
11:30-11:45 Bruce Draine - Dust Masses, PAH Fractions, and Starlight Intensities in the SINGS Galaxies
11:45-12:00 Eli Dwek - Stellar Evolutionary Effects on the Abundances of PAH and SN-Condensed Dust in Galaxies
12:00-12:15 Jan Cami - Modeling the PAH Bands
12:15-12:30 Els Peeters - The Infrared Spectra of Very Large, Compact, Symmetric Polycyclic Aromatic Hydrocarbons (VLP AHs)

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12:30–14:00 *Lunch break*

Session VII: A Dusty, Dusty Universe **Session Chair: Bill Reach**

14:00–14:15 Joannah Hinz – The Spatial Distribution of Cold Dust in
Nearby Galaxies
14:15–14:30 Alberto Bolatto – The Spitzer Surveys of the SMC
14:30–14:45 You–Hua Chu – Formation and Feedback of Massive Stars in
the LMC
14:45–15:00 Sean Carey – Infrared Extinction Profiles of Dense Molecular
Cores
15:00–15:15 Selected poster presentations

15:00–16:00 PANEL DISCUSSION: ISM Gas and Dust, and Star Formation **(PANELISTS: Sean Carey, Bruce Elmegreen, and Eve Ostriker)**

16:00–16:45 *Coffee break / Posters*

Session VIII: From Gas and Dust to Stars: Quantifying Star Formation **Session Chair: Alberto Noriega-Crespo**

16:45–17:30 Daniela Calzetti – Invited Review Talk: Rates and Diagnostics
of Star Formation in the Milky Way and Nearby Galaxies
17:30–17:45 Selected poster presentations

CONFERENCE DINNER (Twin Palms Restaurant)

18:00–19:00 **Cocktails**
19:00– **Dinner**



Wednesday, December 5

Session IX: Star Formation – An Observational Overview **Session Chair: Kartik Sheth**

09:00–9:45 Charles Lada – Invited Review Talk (Milky Way)
09:45–10:30 Rob Kennicutt – Invited Review Talk (Nearby Galaxies)
10:30–10:45 Selected poster presentations

10:45–11:15 *Coffee break / Posters*

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Session X: Starbursts and Their Environment

Session Chair: Jeonghee Rho

11:15–11:30 Jeff Kenney – Spitzer Observations of Environmental Effects on Virgo Cluster Galaxies

11:30–11:45 Tom Jarett – The Impact and Fate of the ISM in Compact Groups of Galaxies

11:45–12:00 Takashi Onaka – The 22 Micron Emission Feature in Supernova Remnants and Massive Star-Forming Regions

12:00–12:15 Frank Bigiel – The Star Formation Law at Sub-kpc Resolution in THINGS

12:15–12:30 Susan Stolovy – Massive Star Formation in the Galactic Center

12:30–14:00 Lunch break

Session XI: The Physics of Star Formation

Session Chair: Lynn Matthews

14:00–14:45 Barb Whitney – Invited Review Talk (Theory)

14:45–15:00 Elizabeth Tasker – Simulating the ISM in Global Disc Galaxies

15:00–15:15 Sukanya Chakrabarti – "Observing" Galaxy Simulations with RADISH: Understanding the Star Formation Histories of Galaxies

15:15–16:00 Bruce Elmegreen – Invited Review Talk: IMF Observations and Theory

16:00–16:15 Selected poster presentations

16:15–17:00 Coffee break / Posters

Session XII: Conference Summary and Discussion

17:00–18:00 Nick Scoville, Stuart Vogel, and Pauline Barmby – Invited Review with Open Discussion of Science / Warm Mission / Future Directions

18:00–19:00 "Happy Hour" (Cocktails served)