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- **Subject:** IAU Symposium 373 announcement

FIRST ANNOUNCEMENT

IAU Symposium 373: Resolving the Rise and Fall of Star Formation in Galaxies

Dates: 9-11 August 2022 (General Assembly runs 2-11 August)

Venue: IAU GA XXXI, BEXCO, Busan, Republic of Korea

Website: <https://iausymp373.web.illinois.edu>

Scientific Rationale:

IAU Symposium 373, one of the seven symposia scheduled during the IAU GA XXXI, will focus on the impact that resolved studies of galaxies, both observational and theoretical, are having on the understanding of star formation on all scales. With improvements in spatial resolution, new multi-wavelength capabilities (including ALMA and soon JWST), and our ability to probe strongly lensed systems at high redshift, the characterization of star-forming regions is no longer limited to the nearest galaxies. Furthermore, advances in imaging spectroscopy (particularly integral field units, IFUs) are providing key diagnostics across galaxy bulges and disks, overcoming the aperture limitations of previous spectroscopic surveys. At the same time, our ability to model the coupled evolution of gas, stars, and dark matter has grown dramatically. The goal of the meeting will be to update the community on the latest advances in understanding star formation in its galactic context (via resolved studies) and how it drives galaxy evolution.

Registration and Abstract Submission:

Registration takes place through the main IAU GA website ([www.iauga2022.org](http://www.iauga2022.org)). Speakers must register at the in-person rate even if the talk is to be delivered remotely. Remote delivery of talks must be approved by the SOC/LOC. Virtual participants may register at a discounted rate and submit abstracts for brief pre-recorded talks (e-talks) or e-posters. Because of the short duration of GA Symposia, the number of available speaking slots is very limited, and requests for talks may be assigned as e-talks or e-posters. The SOC will make every effort to ensure a diverse slate of presenters.

- Alberto Bolatto (U. Maryland, USA)
- Barbara Catinella (UWA, Australia)
- Aeree Chung (Yonsei U., Korea)
- Elisabete da Cunha (UWA, Australia)
- Emanuele Daddi (CEA, France)
- Miroslava Dessauges-Zavadsky (U. Geneva, Switzerland)
- Yu Gao (Xiamen U., China)
- Philip Hopkins (Caltech, USA)
- Adam Leroy (Ohio State U., USA)
- Lihwai Lin (ASIAA, Taiwan)
- Vincenzo Mainieri (ESO, Germany)
- Kentaro Nagamine (Osaka U., Japan)
- Eve Ostriker (Princeton U., USA)
- Yingjie Peng (Peking U., China)
- Annalisa Pillepich (MPIA, Germany)
- Bianca Poggianti (INAF Padova, Italy)
- Sebastián Sánchez (UNAM, Mexico)
- Rachel Somerville (Flatiron, USA)
- Kazuo Sorai (Hokkaido U., Japan)
- Catherine Zucker (STScI, USA)

Scientific Organizing Committee:

- Tony Wong (U. Illinois, USA): co-chair
- Eva Schinnerer (MPIA, Germany): co-chair
- Guillermo Blanc (U. Chile, Chile)
- Sara Ellison (U. Victoria, Canada)
- Robert C. Kennicutt Jr. (U. Arizona, USA)
- Woong-Tae Kim (Seoul National U., Korea)
- Johan Knapen (IAC, Spain)
- Kotaro Kohno (U. Tokyo, Japan)
- Claudia Lagos (UWA, Australia)
- Janice C. Lee (NOIRLab, USA)
- Karín Menéndez-Delmestre (UFRJ, Brazil)
- Yingjie Peng (Peking U., China)
- Amelie Saintonge (UCL, UK)

You are encouraged to download our PDF flyer and share it with colleagues:

[https://iausymp373.web.illinois.edu/wp-content/uploads/2021/11/iaus373\\_flyer.pdf](https://iausymp373.web.illinois.edu/wp-content/uploads/2021/11/iaus373_flyer.pdf)

For SOC inquiries please e-mail: [iau373@lists.astro.illinois.edu](mailto:iau373@lists.astro.illinois.edu)

For general inquiries about the GA please e-mail: [sec@iauga2022.org](mailto:sec@iauga2022.org)

Disclaimer: Planning for the Symposium follows the latest guidance from the IAU GA organizers. The global pandemic situation remains in flux.

Interested participants are advised not to make final travel arrangements