

# Why Galaxies Care About AGB Stars

## A Continuing Challenge through Cosmic Time

Symposium at the IAU XXXth GA Vienna, Austria, August 20-23, 2018

### Topics

- Stellar structure and evolution to, on, and past the AGB
- Nucleosynthesis, mixing and rotation
- Basic ingredients for modelling AGB stars
- Pulsation, dynamical atmospheres and dust formation
- Physics of circumstellar envelopes of AGB stars and planetary nebulae
- Binarity, planets and disks
- AGB stars in the cosmic matter cycle
- Resolved and unresolved AGB populations in stellar systems
- Galaxy evolution, including the first AGB stars
- New and future observational perspectives

### Important Deadlines

- Jan. 31, 2018 Early-bird registration
- Feb. 28, 2018 Abstracts & grant application
- May 1, 2018 Final program
- May 31, 2018 Deadline of poster-only submission
- June 30, 2018 Regular registration

### Confirmed Invited Speakers

Sara Bladh, Orsola de Marco, Bernd Freytag, David Gobrecht, Zeljko Ivezic, Atefeh Javadi, Devika Kamath, Tomasz Kaminski, Amanda Karakas, Chiaki Kobayashi, Eric Lagadec, John Lattanzio, Marcelo Miller Bertolami, Sofia Ramstedt, Philip Rosenfield, Raghvendra Sahai, Letizia Stanghellini, Kyung-Won Suh, Eline Tolstoy, Paolo Ventura, Wouter Vlemmings, Patricia Whitelock, Svitlana Zhukovska

### Scientific Organising Committee

Martha Boyer, Martin Groenewegen, Susanne Höfner, Atefeh Javadi, Ciska Kemper, Franz Kerschbaum (co-chair), Maria Lugaro, Claudia Maraston, Paola Marigo (co-chair), Shazrene Mohamed, Keiichi Ohnaka, Hans Olofsson (chair), Angela Speck, Hans Van Winckel, Peter Wood, Albert Zijlstra



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