

# Why Galaxies Care About AGB Stars III

July 28 - August 1, 2014

Vienna

Stars are conspicuous components of galaxies, and the sites of the creation of most chemical elements. Due to their high luminosity and their production of heavy elements, stars on the Asymptotic Giant Branch (AGB) play an important role in understanding stellar and galactic evolution. This conference aims to build a bridge between AGB research and its application to the modelling of stellar populations and the chemical evolution of galaxies and the universe as a whole. Current developments and challenges on both sides will be discussed to reach an understanding of possibilities, limitations, and needs in both areas, and hence to improve our knowledge about the role of AGB stars in the context of galaxies. This is another follow-up meeting to the successful Viennese conferences on similar topics in 2006 and 2010.

The conference will be hosted by the Austrian Society for Astronomy and Astrophysics and the Department of Astrophysics at the University of Vienna. The meeting is supported by the Robert F. Wing Support Fund at Ohio State University.

This time the focus of the meeting will be:

- 1) Complex Atmospheres: Observation and theoretical understanding
- 2) Living together: Binarity, disks, ISM interaction
- 3) What is left: Dust, yields, AGBs in the cosmic matter cycle
- 4) Resolved and unresolved: AGB star populations in external stellar systems
- 5) Perspectives: ALMA, SKA, SOFIA, JWST, VLT+, ELT

## INVITED SPEAKERS

J. Blommaert, G. Bono, I. Cherchneff, O. Chesneau, A. Chiavassa, N. Cox, L. Girardi, S. Häfner, R. Izzard, M. Maercker, M. Marengo, P. Marigo, J. Menzies, S. Mohamed, K. Ohnaka, G. Perrin, A. Renzini, R. Riffel, R. Schneider, S. Srinivasan, O. Straniero, W. Vlemmings

## SCIENTIFIC ORGANIZING COMMITTEE

H. Olofsson (chair), I. Cherchneff, M. Groenewegen, S. Häfner, R.M. Humphreys, A. Jorissen, A. Karakas, F. Kerschbaum (co-chair), T. Lebzelter, C. Maraston, M. Meixner, B. Plez, P. Whitelock, H. van Winckel, R. Wing, M. Wittkowski

## LOCAL ORGANIZING COMMITTEE

F. Kerschbaum (chair), J. Hron (co-chair), T. Lebzelter, W. Nowotny, R. Ottensamer, T. Posch, et al.

## MEETING FORMAT

The five sub-topics of the meeting will be presented and discussed in a series of oral and poster contributions. The sessions will be centred on invited reviews supplemented by contributed talks offering opportunities to highlight exciting new results. Posters will be on display throughout the meeting.

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## IMPORTANT DEADLINES

Registration for the conference is now open via our webpage <http://www.univie.ac.at/galagb> including the possibility to submit abstracts for invited and contributed talks and posters. Registration fee is 200 EUR for early registration and 240 EUR for late registration.

- Deadline for abstract submission for contributed talks: April 30, 2014
- Deadline for applications for financial support: April 30, 2014
- End of early registration: May 31, 2014
- Deadline for abstract submission for posters: June 15, 2014

## CONTRIBUTIONS

The SOC will select a limited number of contributions for oral presentation on the basis of the submitted abstracts. Proposed oral contributions not selected for the programme can be converted to poster presentations at the author's discretion. Deadline for the submission of abstracts for oral contributions is April 30, 2014.

## REGISTRATION FEE

The registration fee will be 200 EUR for early registration and 240 EUR for late registration (after May 31) and includes welcome reception, coffee breaks and a copy of the conference proceedings.

## CONFERENCE PROCEEDINGS

Proceedings of the conference will be published in a similar way as 2006 and 2010 (see ASP Conf. Ser. Vols. 378 and 445).

## FINANCIAL ASSISTANCE

Limited support for PhD students and young researchers will be available.

If you wish to apply for a supporting grant, please send an email justifying its need to [galagb.astro@univie.ac.at](mailto:galagb.astro@univie.ac.at). Students are asked to arrange a letter of support from their advisor to be sent independently by email. Deadline for applications is April 30, 2014. Supporting letters have to be received by that time as well. Applicants will be informed about the outcome not later than May 20. Please note that the grant can cover only the registration fee.

## CONFERENCE VENUE AND FACILITIES

The conference will be held at the campus of the University of Vienna located close to the city centre. Video and computer display facilities will be available in the lecture room. WIFI is available to all participants. Special needs can be accommodated if we are advised well in advance.

## SOCIAL ACTIVITIES

We invite you to our welcome reception on Sunday evening at the conference venue. Moreover there will be an evening city walk on Tuesday, a trip to the beautiful Wachau valley including a ship cruise on Wednesday afternoon and the conference dinner at the old observatory on Thursday.

## CHILDCARE

We are happy to offer childcare (fee required) during the session hours of our conference. The children's age range must be 2-12 years (from 9 years special