

# IAU Symposium 302 "Magnetic Fields Throughout Stellar Evolution" (Second announcement)

<http://iaus302.sciencesconf.org>

26-30 August 2013

Biarritz, France

This is the second announcement for the Symposium 302 of the International Astronomical Union, entitled "Magnetic fields throughout stellar evolution". The conference will be held in Biarritz (France), 26-30 August 2013.

-- Presentation:

Magnetic fields are key actors in the evolution of all stellar objects, through their ability to influence the angular momentum evolution, internal mixing or mass-loss of stars, as well as their activity phenomena or star-planet interactions. The present Symposium is aimed at offering a synthetic view of recent progresses in the young and growing domain of stellar magnetism. This research area is now benefiting from the rapid, combined development of observations and numerical simulations, enabling stellar physicists to take magnetic fields into account in most models of stellar structure and evolution.

-- Topics:

- Stellar structure and evolution
- Magnetized accretion and outflows in young stellar objects
- Magnetic braking of PMS stars
- Solar and stellar activity in photospheres, chromospheres and coronae, and stellar cycles
- Magnetism in very low-mass stars and brown dwarfs
- Star-planet interaction
- Stellar dynamos across the HR diagram
- Magnetic field origin and stability in massive stars
- Magnetically-confined winds of massive stars
- Cool active subgiants and giants
- Dynamo and mass-loss in giant and supergiant stars
- Final phases of stellar evolution : magnetism in compact objects

-- Scientific Organizing Committee:

- Gibor Basri (Univ. California, USA)
- Matthew Browning (Univ. Toronto, Canada)
- Corinne Charbonnel (Geneva Observatory, Switzerland)
- Jose-Dias do Nascimento (Univ. Natal, Brazil)
- Siraj Hasan (IIA, India)
- Moira Jardine (Univ. Saint Andrews, Scotland, co-chair)
- Oleg Kochukhov (Univ. Uppsala, Sweden)
- Renada Konstantinova-Antova (Bulgarian Academy of Sciences, Bulgaria)
- Hiroaki Isobe (Univ. Kyoto, Japan)
- Stephen Marsden (James Cook University, Australia)
- Pascal Petit (Univ. Toulouse, France, chair)
- Sami Solanki (MPS, Germany)
- Henk Spruit (MPA, Germany, co-chair)
- Klaus Strassmeier (AIP, Germany)
- Asif ud-Doula (Penn State, USA)
- Gregg Wade (RMC, Canada)

-- Confirmed speakers:

Jonathan Braithwaite - Sacha Brun - Rim Fares - Jason Grunhut - Gaitee Hussain - Oleg Kochukhov - Heidi Korhonen - Ryuichi Kurosawa - Norbert Langer - François Lignères - Stuart Littlefair - Stan Owocki - Ralph Pudritz - Nanda Rea - Ansgar Reiners - Andreas Reisenegger - Karel Schrijver - Saku Tsuneta - Aline Vidotto - Wouter Vlemmings - Lucianne Walkowicz

-- Venue:

The conference will be held at Casino Municipal, Biarritz (France). Situated on the French Atlantic coast, at the western end of the Pyrénées mountain range, Biarritz is a friendly and attractive town benefiting from the mild weather of southern France. It can be easily reached by plane or train and offers more than 2,300 hotel rooms. With 6 km of beaches, Biarritz is the historical capital of surfing in Europe. You can also find there the second oldest golf course in Europe, 5 thalassotherapy centres and a casino.

The town is just a stone's throw away from Spain and is less than 150 km away from Bilbao and its famous Guggenheim museum. Biarritz is also located at less than 200 km from Bordeaux and its world-famous wineries. It is a perfect starting point to explore the Basque country, with its authentic countryside and charming villages. A half-day excursion will bring the participants to selected spots around the town, and the symposium dinner will be the opportunity to enjoy French gastronomy.

-- Accommodation:

Biarritz is very attractive during the month of August, and hotels get fully booked very early. We therefore very strongly recommend to book your hotel as soon as possible! A list of hotels is available here: <http://iaus302.sciencesconf.org/resource/page/id/9>

Social events: