

# Second Circular

The Structure and Signals of Neutron Stars, from Birth to Death  
(March 24-28, 2014; Florence, Italy)

## Important Dates

Registration, abstract submission, and request for financial support are now open with the following deadlines:

**15 Dec. 2013:** Conference Registration, Request of Support

**15 Dec. 2013:** Abstract Deadline

**1 Feb. 2014:** Abstract and Support Notification

**24 March 2014:** Start of the Conference

## Confirmed Invited Speakers

- Mark Alford (St. Louis University, USA)
- Almudena Arcones (TU/GSI Darmstadt, Germany)
- Andrei Beloborodov (Columbia University, USA)
- Edo Berger (Harvard, USA)
- Nicholas Chamel (Universite Libre de Bruxelles, Belgium)
- Deepto Chakrabarty (MIT, USA)
- Pawel Danielewicz (Michigan State University, USA)
- Jurgen Schaffner-Bielich (University of Frankfurt, Germany)
- Hans-Thomas Janka (Max Planck Munich, Germany)
- Alice Harding (NASA, USA)
- Craig Heinke (University of Alberta, Canada)
- Tanya Hinderer (Caltech, USA)
- Kostas Kokkotas (University of Tuebingen, Germany)
- Andrew Melatos (University of Melbourne, Australia)
- Christian Ott (Caltech, USA)
- Benjamin Owen (Penn State, USA)
- Dany Page (UNAM, Mexico)
- Elena Pian (INAF, Italy)
- Robert Pisarski (Brookhaven National Lab, USA)
- Jose Pons (University of Alicante, Spain)
- Enrico Ramirez-Ruiz (UC Santa Cruz, USA)
- Scott Ransom (NRAO, USA)
- Nanda Rea (University of Barcelona, Spain)
- Luciano Rezzolla (Max Planck AEI Potsdam, Germany)

- Friedrich Röpke (University of Wurzburg, Germany)
- Hans-Josef Schulze (INFN Catania, Italy)
- Peter Senger (GSI Darmstadt)
- Kohsuke Sumiyoshi (Numazu College of Technology, Japan)
- Dmitry Yakovlev (Joffe Institute, Russia)

## Venue

The conference will be held at the **Auditorium al Duomo**,  
Via de' Cerretani, 54r - 50123 Firenze - Italia - Tel. 055/2381752 - Fax 055/268308,  
E-mail: info@auditoriumalduomo.com

The Auditorium is located in the vibrant center of Florence, which can easily be reached by public transportation (bus or metro). Close to the venue are various other hotels, restaurants, and shopping centers. Coffee breaks are provided, but participants will be responsible for lunch and dinner (there are many restaurants withing walking distance of the conference venue).

## Registration and Payment of Registration Fee

Registration is open via the webpage link.

The registration fee will be 200€ until December 15, 2013 (Early registration). After that date, registration fee will be 250€ (Late registration). The fee for students will be 100€ and 130€, respectively for Early and Late registration. The registration fee for participants includes coffee breaks, welcome reception, conference dinner, and conference materials.

Accompanying persons wishing to participate in conference activities are welcome. They will be charged an extra fee of 80€ to attend the welcome reception party and conference dinner.

Payment of the registration fee for participants and accompanying persons should be made in advance by money transfer to the following account (payment should indicate 'Conferenza NS2014 at GGI'):

IBAN: IT 38 T 02008 39105 000102577558

SWIFT: UNCRITM1385

Bank Name: UNICREDIT S.p.A.

Branch Name: Filiale di Frascati ENEA 31213

Bank Address: Via Enrico Fermi 44 - C-O I.N.F.N. FRASCATI

Account Holder: Istituto Nazionale di Fisica Nucleare I.N.F.N.

Via Enrico Fermi, 40 - 00044 Frascati (Roma)

Payment of the registration fee can be made on site at the conference with cash, **but note that credit card cannot be accepted.**

## Abstract Submission

Abstract submission is now open on the website via the “Call of Abstracts” link. Note that to submit an abstract you must sign up for an Indico account. An explanation of how to obtain an Indico account is provided on the website under the link “Problems with Indico Account” on the left menu. Submissions will be reviewed and assigned as oral or poster contributions.

The deadline for abstract submission is **December 15, 2013**.

## Financial Support

The Organizing Committee encourages the participation of young scientists, in particular PhD students and starting postdocs working on topics relevance to the conference and workshop. Please submit your request for financial support to the organizers at the email: [drago@fe.infn.it](mailto:drago@fe.infn.it), including the following information

- Application letter including the following details: Name, institution, occupation, and reason for applying
- Students should include a CV

Preference will be given to applicants who have submitted an abstract. Results of the request will be sent by February 1, 2014.

## Accommodation

**Conference participants are responsible for making their own hotel accommodations in Florence.** A list of suggested hotels within walking distance of the conference venue is given on the conference website: <http://indico.cern.ch/e/NS2014>. A limited number of rooms have been reserved for conference participants at a reduced price. We highly advise early booking since March is a busy season in Florence and hotels fill up fast.

## Social Program

A welcome reception and conference dinner will be organized. Conference excursions are currently planned for participants and accompanying persons. Participants and accompanying persons wishing to participate in the conference excursions will be charged an extra fee TBD in addition to the registration fee.

## Conference Sponsor

This conference is supported in part by the European network CompStar.



## GGI Workshop

A six week workshop overlapping with the conference will be held at the Galileo Galilei Institute, also in Florence, from March 10-April 18. Additional details and registration information can be found at the workshop website:

<http://www.ggi.fi.infn.it/index.php?p=workshops.inc&id=120>

The workshop will be articulated in a series of shorter sub-workshops, each lasting 2 weeks, covering the different aspects of neutron stars (equation of state and nuclear properties, gravitational waves, explosive phenomena, observational properties of compact systems). But since the idea is to maintain as much as possible the interdisciplinary character of the field, will aim to produce substantial overlap between participants in the various sub-workshops.

Lectures aimed at graduate students and starting postdocs will be organized throughout the workshop on various topics related to neutron star physics. Some financial aid is available. Please communicate this opportunity to your students.

Topics covered each week and student lecturers are summarize below:

- Week 1 (March 10-14)
  - Isaac Vidana (University of Coimbra) - Nuclear matter EoS: hyperons
  - Maria Paola Lombardo (LNF) - Lattice QCD
  - Massimo Mannarelli (LNGS) - Color Superconductivity
- Week 2 (March 17-21)
  - Marcello Baldo (CT) - Superfluidity: theoretical approaches
  - Dmitry Yakovlev (Joffe Institute) - Superfluidity: Impact on Neutron Star Cooling
  - Brian Metzger (Columbia University) - Gamma-Ray Bursts
- Week 3 (March 24-28), Conference (No Lectures)
- Week 4 (March 31-April 4)
  - Tanja Hinderer (University of Maryland) - Compact binary coalescence and the equation of state
- Week 5 (April 7-11)
  - Nanda Rea (API-Barcelona) - Observational Techniques
  - Jose Pons (University of Alicante) - Evolution of Magnetic Fields
  - Brynmor Haskell (AEI) - Pulsar Glitches
- Week 6 (April 14-28)
  - TBD

More lecturers and topics will be added as the schedule is finalized.