

The 1st PANDA Symposium on Products of Astrophysical Outflows

-- Bubbles and Super Bubbles, Planetary Nebulae, Winds and Jets,
AGNs, Supernovae Remnants, Magnetars, and GRBs
Lijiang, Yunnan, China, March 30 to April 3, 2009

First Announcement

*** SCIENTIFIC RATIONALE ***

We are establishing a new Symposia series aiming at establishing and fostering collaborations among young post doctoral fellows (0-6 years from graduation) from the Pacific/Asiatic scientific community with their peers across the globe. Besides enabling scientific mobility and networking, we are also aiming in providing young researchers with a forum to exchange ideas on current and future projects. The Symposia should take place every 2 years and the first three should be held in China near Panda natural reserves.

The First PANDA Symposium will focus on astrophysical outflows. Astrophysical outflows are pervasive on all size scales, over all stellar and galactic evolutionary stages, and throughout the history of the Universe. They influence their surroundings and play an integral role in the further evolution of their environs via the effects of shocks and chemical enrichment. A wide range of observed phenomena owe their properties to outflows driven by winds, jets, and bubbles.

Recent results reveal beautiful examples of winds/bubbles produced by supernovae remnants, magnetars, planetary nebulae, galactic starbursts, and AGN. Interestingly, Gamma-ray bursts (GRBs) may also be one of the sources for production of near-complete ring-like HI super-shells. There is also exciting progress being made to translate what is known from present-day examples into predictions about the effects of bubbles in the early Universe. This workshop will bring together researchers working on phenomena as diverse in origin and scale.

The aim is to provide a stimulating environment to discuss the latest observational and theoretical developments and the best ways forward. The meeting will include several tutorials from senior lecturers during the first day, and three evening lectures, in the following days. The main part will be framed by a series of invited reviews (approximately 35 minutes in length), each chosen to cover the various subtopics represented under the general theme of the meeting, and be supplemented by shorter (about 20-min length) contributed talks. Ample space will be made available for poster displays.

***** LOCATION*****

The meeting will be held during the week of March 30-April 3, 2009, in the world famous Old Town of Lijiang, located in Lijiang City, Yunnan, China. The town is a UNESCO Heritage Site. It has a history going back more than 800 years and was once a confluence for trade along the old tea horse road. It differs from other ancient Chinese cities in architecture, history and the culture of its traditional residents the Nakhi people. Lijiang is easily accessible by plane from a number of major cities (Beijing, Shanghai, Kunming, Guangzhou, Shenzhen and Guiyang). There are more than 10 flights from Kunming to Lijiang every day and is about 40 minutes flight time. The weather in spring should be pleasant, and giving the participants an opportunity to extend their stay to visit the famous view near the town or other parts of China. We will arrange for a one-day tour during the middle of the meeting and help to make arrangements for more extensive touring packages after the meeting.

***** FINACIAL SUPPORT*****

There is limited financial support, preferably allocated to students and postdoctoral fellows. We are currently planning to issue a few individual grants for US participants, each ranging between \$ 500,00 - 1000,00; these grants will be in the form of reimbursable costs, in other words they will be issued to the participant AFTER the travel has been completed. For all other (non-US) participants in need of support, we are planning to cover registration and local expenses in China as the case maybe, so please let us know if financial support is indispensable for your participation. The way of how to apply for the support can be found in the meeting web of registration.

***** IMPORTANT DATES *****

29 Dec. 2008	registration opens
29 Dec. 2008	abstract submission opens
20 Feb. 2009	abstract submission deadline
1 March 2009	final program
15 Feb. 2009	end of early registration

***** ORGANIZAITON *****

The Symposia subject and venue is decided by an International Board of senior members who appoint the **SOC** of each Symposium. The current Board consists of the following members:

Giovanni Bignami (former Director, Italian Space Agency, ASI)

Roger Blandford (Director, Kavli Institute for Particle Astrophysics and Cosmology, and

Stanford University)

Neil Gehrels (NASA/GSFC)

Chryssa Kouveliotou (NASA/MSFC)

Doug Lin (UCSC, Director Kavli Institute Beijing)

Kazuo Makishima (University of Tokyo)

Richard Manchester (Commonwealth Scientific and Industrial Research Organisation
(CSIRO))

Rashid Sunyaev (Director, Max-Planck-Institut für Astrophysik)

Ed van den Heuvel (University of Amsterdam)

Shuang Nan Zhang (Tsinghua University)

*** **Program Committee** ***

Nathan Smith (Convenor, University of California, Berkeley)

Una Hwang (Convenor, NASA/GSFC and Johns Hopkins Univ.)

Don Figer (Convenor, Rochester Institute of Technology)

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G. Q. Liu (Tsinghua Univ., secretary; liuguoqing@tsinghua.edu.cn)

***** MEETING WEBSITE and REGISTRATION *****

More information on the meeting, including early registration, can be found in the meeting website <http://www.ynao.ac.cn/~panda>