

**XIII INTERNATIONAL CONFERENCE  
ON THE PHYSICS OF  
NON-CRYSTALLINE SOLIDS  
Yichang Three Gorges, Hubei, P.R. China, Sept 16-20, 2012**

中華人民共和國 湖北省 宜昌三峽

**Background and Scope**

The XIII International Conference on the Physics of Non-Crystalline Solids is continued after a series of successful meetings started by Professor V.D. Frechette (USA), back in 1958. Eleven conferences have been organized ever since, with the latest one organized by Professor Edgar Dutra Zanotto of the Federal University of Sao Carlos (Brazil) in 2009. The XIII PNCS will provide an international forum on the most recent developments on the physics of non-crystalline materials following the tradition of the conference.

1. Alfred, USA, 1958 (Prof. V. D. Frechette)
2. Delft, The Netherlands, 1964 (Prof. J. A. Prince)
3. Sheffield, UK, 1970 (Prof. R. W. Douglas)
4. Clausthal, Germany, 1976 (Prof. G. H. Frischat)
5. Montpellier, France, 1982 (Prof. J. Zarzycki)
6. Kyoto, Japan, 1987 (Prof. S. Sakka)
7. Cambridge, UK, 1991 (Prof. D. Pye)
8. Turku, Finland, 1995 (Prof. K. Karlsson)
9. Tuscon, USA, 1999 (Prof. M. Weinberg)
10. Parma, Italy, 2003 (Prof. A. Montenero)
11. Rhodes, Greece, 2006 (Prof. G. Kordas)
12. Foz do Iguaçu, PR, Brazil, 2009 (Prof. E. Zanotto)

Located in central China and the northwest part of Hubei Province, Yichang is a city with beautiful natural scenes and rich cultural heritages. It is the gate to the Three Gorges of Yangtze River and connects Hubei with Sichuan province and the Chongqing City. The Chu culture, one branch of traditional Chinese cultures in the Hubei area, dated back to 2800 years ago in the East Zhou Dynasty. Hubei also has strong research and industrial tradition on glass and amorphous materials. For example, the Optical Valley of China is located in Wuhan, the capital city of Hubei. It also has the largest optic fiber manufacturer in the world, the largest silica glass producer and the largest optic glass producer in China. The most ancient Chinese glass produced 2400 years ago was found in Hubei.

**Topics Covered will include, but are not limited, to the following**

- ◆ Amorphous state
- ◆ Inorganic (including metallic), organic and hybrid glasses
- ◆ Glass transition and Relaxation phenomenon
- ◆ Rheology and glass problems
- ◆ Phase separation, nucleation, crystallization and Glass-ceramics
- ◆ Glass structure and theoretical or computer modeling
- ◆ Glass properties (optical and photonic, thermal, mechanical, electrical and electronic, rheological, chemical properties, etc.)
- ◆ Micro or Nano-structured non-crystalline materials
- ◆ Glass preparation, including sol-gel, CVD and so on.
- ◆ Novel Glasses and applications in photonics, electronics, energy generation, medicine, dentistry and biotechnology, etc.
- ◆ Archaeological glass

**Important Deadlines:**

Abstract submission: March 15, 2012

Acceptance/rejection notification: May 15, 2012

Early registration (reduced fee): May 31, 2012

**Conference Chair**

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General Information and on-line registration: <http://>