



**The First Circular for
The International Radiation Symposium (IRS2008):
Current Problems in Atmospheric Radiation**

**August 03-08, 2008
Mabu Thermas & Resort – Congress and Exposition Center
Foz do Iguaçu, Brazil**

1. General Information

The International Radiation Symposium (IRS2008) on Current Problems in Atmospheric Radiation will be held during August 3-8, 2008 at Mabu Thermas & Resort – Congress and Exposition Center, Foz do Iguaçu, Brazil. The Symposium is organized every four years by the International Radiation Commission (IRC, President: Dr. Teruyuki Nakajima), and this edition will be hosted jointly by Instituto de Astronomia, Geofísica e Ciências Atmosféricas (IAG) and Instituto de Física (IF) from Universidade de São Paulo (USP), Centro de Previsão de Tempo e Estudos Climáticos from Instituto Nacional de Pesquisas Espaciais (CPTEC/INPE), Centro de Tecnologia from Universidade Federal do Rio de Janeiro (CT/UFRJ) and Instituto de Recursos Naturais from Universidade Federal de Itajubá (IRN/UNIFEI).

This will be the first edition in South America and is an opportunity to share ideas and experiences on the current problems in atmospheric radiation from theory and modeling to measurements and applications on weather and climate. The official language of this symposium is English. Follow the updates and news at the official website: <http://www.irs2008.org.br>.

2. Symposium Topics

Session A: Topical Union Session

Session B: Radiative Transfer Theory and Modeling

Session C: Molecular Radiative Properties

Session D: Particle Radiative Properties

Session E: General Remote Sensing

Session F: Satellite Measurements

Session G: Surface Measurements and Field Experiments

Session H: Radiative Budget and Forcing

Session I: Weather and Climate Applications

Session J: Interaction of biosphere and atmosphere

3. Program Committee and Local Committee

Scientific Organizing Committee

Prof. Teruyuki Nakajima (Center for Climate System Research, The University of Tokyo, Japan)
Dr. Robert Ellingson (Department of Meteorology, Florida State University, USA)
Dr. Robert Cahalan (NASA Goddard Space Flight Center, USA)
Dr. Carmine Serio (Dipartimento di Ingegneria e Fisica dell'Ambiente, Università della Basilicata, Italy)
Prof. Peter Bernath (Department of Chemistry, University of York, Heslington, York, UK)
Dr. Claude Camy-Peyret (LPMAA, UPMC and CNRS, Paris, France)
Dr. Bernhard Mayer (Deutsches Zentrum fuer Luft- und Raumfahrt, Germany)
Dr. Alexander Marshak (NASA Goddard Space Flight Center, USA)
Dr. Tadahiro Hayasaka (Research Institute for Humanity and Nature, Japan)
Dr. Paolo di Girolamo (Lidar Laboratory at DIFA - Univ. of Basilicata, Italy)
Dr. Peter Koepke (Dep. for Atmospheric Radiation and Remote Sensing, Meteorologisches Institut, University Munchen/Theresienstrasse 37, Germany)
Dr. Allen Larar (NASA Langley, USA)
Dr. Yuriy Timofeyev (Research Institute of Physics, St.Petersburg State University, Russia)
Dr. Michael King (NASA/Goddard Space Flight Center, USA)
Dr. Paul Menzel (Cooperative Institute for Meteorological Satellite Studies, Space Science & Engineering Center, University of Wisconsin, USA)
Dr. Rolf Stuhlmann (EUMETSAT, Darmstadt, Germany)
Dr. Guang Yu Shi (Institute of Atmospheric Physics, Chinese Academy of Sciences, China)
Dr. José Vanderlei Martins (UMBC, NASA/Goddard Space Flight Center, USA)
Dr. Bruce Forgan (Bureau of Meteorology, Australia)
Dr. Brian Soden (NOAA Geophysical Fluid Dynamics Laboratory, Princeton University, USA)
Dr. Eugene Rozanov (PMOD/WRC, Switzerland)
Dr. Byung-Ju Sohn (Global Hydrology and Climate Center, The Earth Science Department of Seoul National University, Korea)
Dr. Allen Huang (University of Wisconsin, USA)
Dr. Bruce McArthur (York University, Canada)
Prof. Pedro Leite da Silva Dias (IAG-USP, Brazil)
Prof. Paulo Artaxo (IFUSP, Brazil)

Local Committee

Local Organizing Committee (LOC)

Prof. Márcia Akemi Yamasoe (IAG-USP)
Dr. Alexandre Lima Correia (NASA/GSFC)
Prof. Aline Sarmiento Procópio (CT/UFRJ)
Dr. Juan Carlos Ceballos (CPTEC/INPE)
Dr. Karla Maria Longo (CPTEC/INPE)
Dr. Luiz Augusto Toledo Machado (CPTEC/INPE)
Prof. Marcelo de Paula Corrêa (IRN-UNIFEI)
Prof. Maria Assunção Faus da Silva Dias (CPTEC/INPE and IAG-USP)
Prof. Paulo Artaxo (IF-USP)
Prof. Pedro Leite da Silva Dias (IAG-USP)
Dr. Regina Célia dos Santos Alvalá (CPTEC/INPE)
Dr. José Vanderlei Martins (UMBC and NASA/GSFC)

4. Call for Papers

All participants are requested to submit their abstracts in English, using the “**On-Line Submission**” system provided on the conference website

<http://www.irs2008.org.br>, available early November, no later than **20 January 2008**. In the on-line submission, authors are asked to indicate the most preferred session (oral or poster) in which the authors like to present their paper. After reviewing the papers, the Program Committee (IRC officers plus main session conveners) may change/rearrange submitted papers to other oral/poster program sessions despite author's preference.

The abstract will be used to judge the suitability for oral or poster presentation of an appropriate session. Therefore, it is in author's own interest to prepare the abstracts with enough scientific information for review by the Program Committee.

5. Registration

Various registration fees are given in the following table in Brazilian currency (reais)*:

Category	Up to 1 May 2008	Up to 15 June 2008	Late Registration
Regular participants	R\$ 540	R\$ 650	R\$ 720
Students & special group+	R\$ 110	R\$ 145	R\$ 180
Accompanying persons	R\$ 110	R\$ 145	R\$ 180

*Exchange rate on 5 October 2007: USD \$1 = R\$ 1.80. In Brazil, official currency has to be used.

+Special group includes participants from Developing Countries.

The registration form and on-line registration will be available on the conference website around 1 March 2008. Pre-registration forms must be accompanied by payment: credit card (Visa or American Express) to the account of LOC. Confirmation of pre-registration will be sent once the form has been processed.

6. Extended Abstract

In this edition, participants who want to submit an extended abstract for IRS2008 book will be able to submit it electronically at the official webpage. During registration they will be asked to do so, if interested. The deadline of extended abstract submission is 1 July 2008.

7. Background information on Foz do Iguaçu, Brazil

Foz do Iguaçu (or Iguassu Falls, use this when looking for air-ticket on the web!) city is located at the triple-national border between Brazil, Argentina and Paraguay (25.83° S, 54.50° W, 173 m above sea level) and is one of the most popular scenic venues in Brazil, with several nature and wildlife features, like Iguassu National Park. The park covers more than 100 km² and is neighbor to the Iguazu National Park in Argentina. Both parks are included in UNESCO's World Heritage List for their exceptional natural beauty and for being the habitat of rare and endangered species. They share one of the world's largest and most impressive waterfall complex surrounded by luxuriant subtropical rain forest which is a biodiversity hotspot, hosting 9 species listed as threatened on a world scale.

Climate

Foz do Iguacu has a sunny sub-tropical climate, with daily summer (DJF) temperature variation ranging from 16°C to 34°C (61-93°F), and daily winter (JJA) variation from about 8°C to 24°C (46-75°F). However, in recent years observed temperatures remained a few degrees above these climatological values. Humidity remains between 80-85% throughout the year. Monthly precipitation during the summer period is about 150-200 mm, and 100-150 mm during winter. Local time will be GMT-3 during IRS2008.

Getting there

Foz do Iguacu International Airport is located at the highway that connects downtown to the Falls. Mabu Hotel Resort, the IRS2008 Symposium venue, is on the same highway, nearly midway between the airport and the city. Other very good hotels lay in the same highway which can be alternatives during the conference. The airport operates 24 hours a day, with an average of 16 daily flights connecting major cities in Brazil, and has full facilities including restaurants, currency exchange, car rental, police, etc. The optional nearby Argentinian airport (Cataratas de Iguazu International Airport) is located in Puerto Iguazu and offers 5 daily flights to Sao Paulo (Brazil), Cordoba and Buenos Aires (Argentina). In Paraguay, the Guarani International Airport offers direct flights to Sao Paulo, Brazil.

8. Accommodation

The list of hotels will be given on the conference website in due time. Reservation form will be provided on the website around December 2007.

9. Important Dates

Abstract Submission Deadline (20 January 2008; Web Submission)

Announcement of Approved Abstracts (1 March 2008)

Registration Information (March 2008)

Accommodation Information (November 2007)

Travel Information (November 2007)

Extended Abstract Submission Deadline (1 July 2008; web submission)

10. Contact Point

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