

***XI INTERNATIONAL CONFERENCE ON PIXE AND ITS
ANALYTICAL APPLICATIONS***



Puebla, Mexico

May 25-29, 2007

**SECOND ANNOUNCEMENT
CALL FOR PAPERS AND REGISTRATION**

Organized by

- Instituto de Física, Universidad Nacional Autónoma de México
- Instituto Nacional de Investigaciones Nucleares
- Benemérita Universidad Autónoma de Puebla
- Sociedad Mexicana de Física, Radiation Physics Division
- In collaboration with the International Atomic Energy Agency

Complete information can be found at www.fisica.unam.mx/pixe2007

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N.R. Rebollo	

MESSAGE FROM THE PRESIDENT OF THE INTERNATIONAL ADVISORY COMMITTEE, G. W. GRIME

It is now over thirty years since the first international PIXE conference was held at the University of Lund, Sweden. Now we are looking forward to meeting for the eleventh conference at Puebla in Mexico. During these three decades, PIXE has matured from being an esoteric spin out of Nuclear Physics to a mainstream analytical technique which is making important contributions in fields as diverse as climate change, salmon fishery policy and cultural heritage. At the Puebla conference we can look forward to discussing the usual exciting mix of new developments in PIXE theory and techniques together with advances in traditional and novel areas of application. On behalf of the International Advisory Committee I would like to extend a warm invitation to all scientists to join us for the 11th conference in the hospitable and vibrant atmosphere of this historic city.



Capilla del Rosario

WELCOME MESSAGE FROM THE ORGANIZING COMMITTEE

The Local Organizing Committee of the Eleventh International Conference on PIXE and its Analytical Applications (PIXE 2007) is pleased to welcome all participants to this conference. This is the first time the PIXE conference has been awarded to a Latin-American country. Therefore, we hope it will be possible to show the international community how this region has contributed to the development of PIXE, other related methods, and their applications. Moreover, we are eager to maintain the friendly environment found in past conferences and to offer the opportunity to visit a few of the prehispanic and colonial attractions existing in Mexico.

SCIENTIFIC PROGRAM

As is traditional in Particle Induced X-ray Emission (PIXE) conferences, there will be lectures by invited speakers, contributed works, and poster sessions. The official language for this Conference is English.

The topics to be covered in PIXE 2007 will be:

- Basic physical principles, improvements in the physical parameters used for PIXE
- Advances in experimental devices and setup
- Use of complementary analytical techniques (IBA or others)
- Fields of application, including, but not limited, to
 - Biology and biomedical sciences
 - Environmental sciences
 - Earth sciences
 - Materials
 - Arts and archaeology
- Quality assurance/Quality control in PIXE analyses
- Commercial services for PIXE

INVITED SPEAKERS

Gregory Lapicki	USA	X-ray emission, ionization by ion impact
Salvador A. Cruz	Mexico	Stopping of ions in matter
Kirsten Johnson	USA	Environmental applications
Andres Kreiner	Argentina	PIXE using high-energy heavy ions
Johnny F. Dias	Brazil	Materials science applications
Ari Ide-Ektassabi	Japan	Biological applications
Thomas Calligaro	France	Archaeometry
Guy Demortier	Belgium	Use of combined techniques (PIXE and AMS)
Noemi R. Rebollo	Mexico	Materials science and combined IBA methods
Jens Höhne	Germany	New developments in instrumentation
Andreas Karydas	Greece	New developments in instrumentation

CALL FOR PAPERS

ABSTRACTS

All the authors willing to have an active participation in the PIXE 2007 Conference are invited to submit abstracts of their contributions. They must be sent as an attachment to an email message written to pixe2007@fisica.unam.mx. The **abstract template** (a MS Word document) can be found in the Conference web site at www.fisica.unam.mx/pixe2007. The deadline for the submission of abstracts will be **January 26, 2007**. The corresponding authors will be notified of the acceptance by **February 16, 2007**. Also, they will be informed if their works shall be presented in an oral or a poster session. Accepted abstracts will be available in the Conference web site, while the attendants will receive a copy of the Book of Abstracts during registration.

MANUSCRIPTS FOR CONFERENCE PROCEEDINGS

In case the authors want to submit full papers for publication in the Conference Proceedings, they should send the text by e-mail to the Conference Secretary not later than **May 11, 2007**. Two printed copies and a diskette per paper must be delivered to the Conference Secretary during first day registration, **May 24, 2007**. The paper should follow the **conference paper template**, available on the Conference web page (as a MS Word document). The contributed papers will be reviewed by referees selected from the Conference participants.

ELECTRONIC CONFERENCE PROCEEDINGS

Accepted papers will be published with an *electronic format* in the **Conference Proceedings**. The Proceedings of the PIXE 2007 Conference will be recorded on CD and distributed by mail to participants several weeks after the end of the Conference, to the address provided by the attendants. The Proceedings will also be available on the Conference home page.

SPECIAL ISSUE OF X-RAY SPECTROMETRY

Some of the invited and contributed papers will be selected by the Conference Program Committee and the International Advisory Committee, for publication as regular papers in a Special Issue of **X-Ray Spectrometry** (XRS), published by *John Wiley & Sons*. The papers will be chosen in order to offer a significant sample of current PIXE research, both for the general audience in the area of X-ray analysis and the specialized reader. The selected papers will be subjected to the ordinary refereeing procedure of XRS. Detailed preparation instructions will be sent to the authors via e-mail, or can be found at the XRS web site. A link to this site is given on the Conference home page. The manuscripts of the papers selected for publication in XRS should reach Conference Secretary by June 9, 2007. Deadline to complete the publishing procedure will be set by XRS.

CONFERENCE LOCATION

The conference venue is the City of Puebla, located 120 km East of Mexico City. Puebla, founded in the mid 16th century, a few years after the conquest of Mexico by the Spaniards, was an obligated stop between the capital of the New Spain and the Gulf of Mexico's main port, Veracruz. Nowadays, it is classified as World Heritage by UNESCO. It has an altitude of 2,100 m above sea level, with a mild weather during the end of spring, when the rainy season is starting. Puebla, besides its colonial architecture, is famous for its fine cuisine, arts and crafts. It is surrounded by many other interesting sites, both prehispanic and colonial, like Cholula, Tlaxcala, and Cacaxtla. Puebla has also a very active cultural life, concert halls and theaters.



The recommended way to travel to Puebla is flying to Mexico City's airport (www.aicm.mx), which is served by most major airlines. There is a bus line (*Estrella Roja*, www.estrellaroja.com.mx) running from the airport to Puebla, taking about 90 minutes. There are departures every 30 minutes, and tickets are purchased at a booth in the airport, at an approximate cost of US\$13.00 one way (only Mexican currency is accepted). Buses arrive to Central de Autobuses de Puebla (CAPU), or the "4 Poniente" bus terminal in downtown (exclusive for the airport bus express), where official taxis (with fixed rates to downtown) are the suggested transport to the hotels. There is also a small airport in Puebla, but flight schedules are very limited.

CONFERENCE VENUE

The Conference will be held at the *Edificio Carolino*, a colonial building in custody of the *Benemérita Universidad Autónoma de Puebla*. The oral presentations and poster sessions will take place in this building. Also, a commercial exhibition and internet rooms will be located in the same area.



La Compañía church, adjacent to the Edificio Carolino.

PRELIMINARY CONFERENCE SCHEDULE

	Thursday, May 24	Friday, May 25	Saturday, May 26	Sunday, May 27	Monday, May 28	Tuesday, May 29
Morning		Registration and Conference opening	Scientific program	Conference trip	Scientific program	Scientific program
Afternoon	Registration	Scientific program	Scientific program		Round table	Conference closing
Evening	Social event	Social event	Round table	Banquet	International Advisory Committee meeting	

CONFERENCE ACTIVITIES

The main part of the Conference will be based on the scientific presentations:

- *Plenary and invited talks*, which are expected to provide either a broad overview of the state of the art in a particular area relevant to PIXE or the most advanced results of current research using PIXE.
- *Contributed works*, including both *oral* presentations and *posters*. They will present results of recent investigations using PIXE.



The Puebla Cathedral, with the Popocatepetl volcano in the back.

BEST POSTER AWARD

There will be an Award to the best poster presentation. This poster will be selected by a special Committee, appointed by the International Advisory Committee. The Award will be given during the Closing Ceremony, on Tuesday, May 29.

ROUND TABLE DISCUSSIONS

Two round tables, programmed for Saturday, May 26 and Monday, May 28, will be organized. The topics will be of interest to a large number of attendants to the Conference.



Colonial church built at the top of the Cholula prehispanic pyramid.

SOCIAL PROGRAM

Several social activities are planned during the Conference:

- First day get-together, to take place on Thursday, May 24, evening, after the first registration is closed;
- Welcome reception, to which all participants and accompanying persons are invited. This reception will take place on Friday, May 25, at a site near the Conference Venue.
- Conference trip, organized for Sunday, May 27. The traditional trip in the PIXE Conferences will include the prehispanic sites of Cacaxtla and Xochitécatl, as well as the colonial cities of Cholula and Santa María Tonanzintla. The trip would depart from the Conference site, in the early morning.
- Conference banquet, on the evening of Sunday, May 27, starting at 20:00.
- International Advisory Committee meeting, planned for Monday, May 28, in a site to be announced.

EXHIBITION AND SPONSORSHIP

An exhibition of companies is considered among the Conference activities, with several options for participation, from advertising on the web site and/or the abstract book, to a display booth during the conference. Also, many sponsorship options will be available, including event sponsorship and student support. In case you have interest in exhibiting or sponsoring during the conference, please contact the conference secretary.

ACCOMPANYING PERSONS PROGRAM

We are also planning a program for accompanying persons, which includes guided visits to some of the most impressive places in the City of Puebla, as well as to the nearby City of Tlaxcala. The registration fee will include these tours, the Conference trip, and the social events on May 24 and May 25.

REGISTRATION

REGISTRATION FEE

Payment until March 2, 2007	Payment after March 2, 2007
<input type="checkbox"/> US\$ 350.00 Full registration	<input type="checkbox"/> US\$ 400.00 Full registration
<input type="checkbox"/> US\$ 200.00 Student*	<input type="checkbox"/> US\$ 220.00 Student*
<input type="checkbox"/> US\$ 200.00 Accompanying person	<input type="checkbox"/> US\$ 250.00 Accompanying person
<input type="checkbox"/> US\$ 50.00 Banquet	<input type="checkbox"/> US\$ 50.00 Banquet

*Recommendation letter or copy of official college updated registration is required.

The full registration fee for participants includes: delivery of the conference materials, copy of XRS special issue, free admissions to welcome reception and conference excursion. For accompanying persons, it will cover the attendance at welcome reception and conference trip, as well as the especial excursions to nearby interesting locations.

Registration grants may be available for a very limited number of participants. They are intended for junior researchers, graduate students, post-docs, and attendees from *developing countries*.

REGISTRATION FEE PAYMENT METHODS

- Bank transfer to *Sociedad Mexicana de Fisica*. The transfer fees charged by the bank must be paid by the attendant.
- Credit card (Preferably MasterCard or Visa). A 5% fee must be added by the attendant, charged by the credit card companies.
- Cash during registration at the Conference site.

Details for payment are given in the web site, where the *Registration and Payment Form* must be downloaded. After filling the form, it must be faxed **both** to the Organizing Committee and the *Sociedad Mexicana de Fisica* offices.



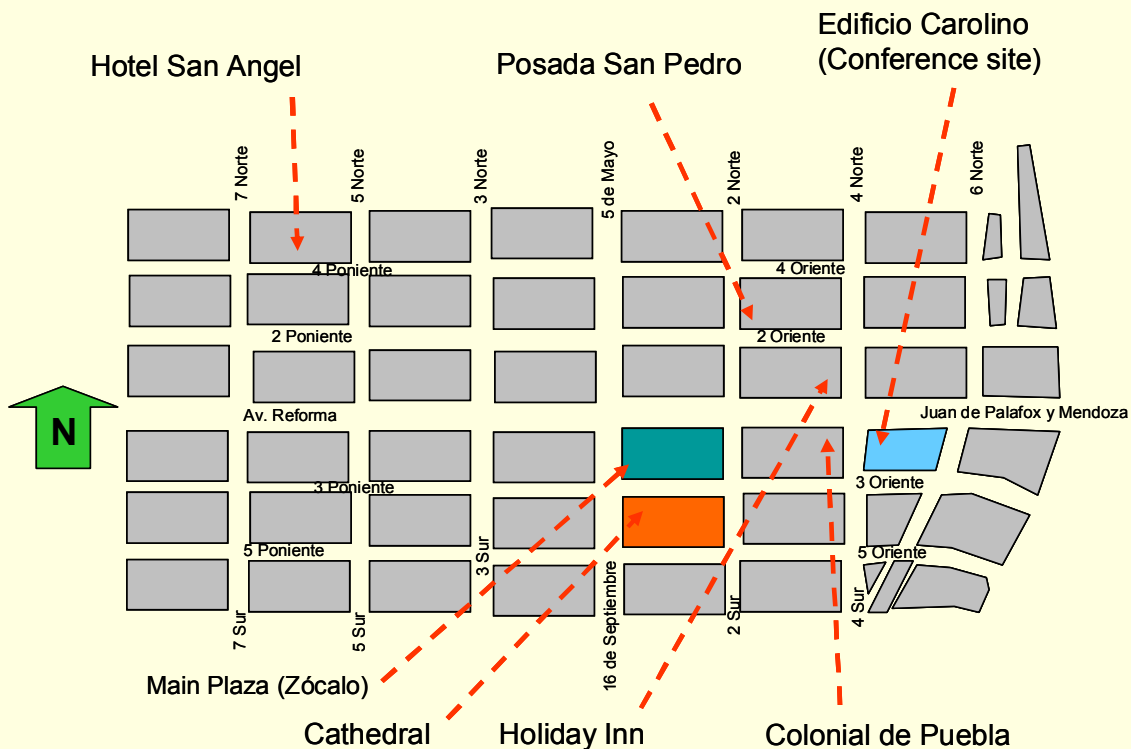
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LODGING

HOTEL	ADDRESS	PHONE/FAX/EMAIL	SINGLE	DOUBLE	TRIPLE
POSADA SAN PEDRO ☆☆☆☆☆	2 Oriente # 202 Centro Histórico Puebla, Pue.	Phone: +52 (222) 246-5077 +52 (222) 246-5370 ventas@hotelposadasanpedro.com.mx www.hotelposadasanpedro.com.mx	US\$55.00 Plus 17 % Tax and tips	US\$55.00 Plus 17 % Tax and tips	US\$60.00 Plus 17 % Tax and tips
HOLIDAY INN CENTRO HISTORICO ☆☆☆☆☆	2 Oriente # 211 Centro Historico Puebla, Pue.	Phone: (222) 223-6600 Fax: (222) 242-1176 pilar@hipuebla.com.mx	US\$71.00 Plus 17 % Tax and tips	US\$71.00 Plus 17 % Tax and tips	
COLONIAL DE PUEBLA ☆☆☆	4 Sur # 105 Centro Historico Puebla, Pue.	Phone: + 52 (222) 246-4612 Fax: + 52 (222) 246-0818 hotelcolonial@colonial.com.mx	US\$52.00 Includes tax	US\$62.00 Includes tax	US\$68.00 Includes tax
HOTEL SAN ANGEL ☆☆☆	4 Poniente # 504 Centro Historico Puebla, Pue.	Phone/Fax: +52 (222) 232-2766 ext. 208 hotelesenpuebla@hotmail.com www.hotelesenpuebla.com	US\$27.00 Includes tax and breakfast	US\$35.00 Includes tax and breakfast	US\$42.00 Includes tax and breakfast

IMPORTANT NOTES: MEALS ARE NOT INCLUDED IN MOST HOTELS. PLEASE BE AWARE THAT THE EXCHANGE RATE MAY VARY.

The deadline for hotel reservation is **May 11, 2007**. Full details for payment are given in the web site, where the *Hotel Registration Payment Form* can be downloaded. After filling the form, it must be faxed **both** to the Organizing Committee offices and the respective Hotel where the reservation is desired.



USEFUL INFORMATION

Visa information

Only visitors from a limited number of countries are allowed to enter Mexico without a visa. The full listing of those countries is given in the Conference web site. Participants from other nations must contact the Organizing Committee secretary (pixe2007@fisica.unam.mx) and look for the nearest Mexican embassy or consulate to apply for the entrance visa. If required, the Organizing Committee will assist the visa applicants whenever it is possible. Also, a link to the Mexican Ministry of Foreign Affairs (*Secretaría de Relaciones Exteriores*) can be found at the PIXE 2007 web site. There is a list of Mexican embassies and consulates in the corresponding page.

Currency

The official currency is the Mexican Peso (MX\$). As of November, 2006, the exchange rate is about MX\$11.00 per US dollar.

Credit cards

Most hotels, restaurants and shops accept credit cards such as MasterCard, Visa or American Express.

Personal insurance

Neither the PIXE 2007 organization nor the organizers will be responsible for any medical expenses incurred by participants and/or accompanying persons and will not accept any liability for personal injuries sustained, or for loss or damage of property belonging to Conference participants, either during or as a result of the Conference or any tours. Participants are strongly advised to secure their own health and travel insurance before leaving their home country.

IMPORTANT DATES

Call for papers and registration opening:	December 7, 2006
Abstract submission deadline:	January 26, 2007.
Notice of acceptance:	February 16, 2007.
Early registration payment deadline:	March 2, 2007.
Submission of papers and hotel registration deadline:	May 11, 2007.
Conference site registration:	May 24, 2007.
Conference opening:	May 25, 2007.

SPONSORS

