

*Kindly mail this form to:*  
**P. R. Hannurkar, Secretary**  
**ADL, Accelerator Programme**  
**Centre for Advanced Technology**  
**PO: CAT, Indore-452013, (MP)**

#### NATIONAL ADVISORY COMMITTEE

Ahmad S	(CEERI)
Baldev Raj	(IGCAR)
Bhawalkar D D	(CAT)
Chandrachoodan P P	(BRNS)
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Siddappa K	(Manglore Univ.)
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#### NATIONAL ORGANIZING COMMITTEE

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Chaddah P	(CAT)	
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Saxena Y C	(IPR)	
Sethi R C	(BARC)	
Singh Pitamber	(BARC)	
Soni H C	(CAT)	
Singh Gurnam	(CAT)	Convener
Karmarkar M G	(CAT)	Co-convener
Hannurkar P R	(CAT)	Secretary
Bhagwat P. V	(BARC/TIFR)	Co-secretary

#### LOCAL ORGANIZING COMMITTEE

Ahmad T	(CAT)
Bapna S C	(CAT)
Fatnani P	(CAT)

Ghodke A D	(CAT)
Goswami A K	(CAT)
Hannurkar P R	(CAT)
Jain A K	(CAT)
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Karmarkar M G	(CAT)
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Prabhu S S	(CAT)
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Sahoo G K	(CAT)
Sharma P	(CAT)
Shrivastava P	(CAT)
Shukla S K	(CAT)
Singh Beni	(CAT)
Singh Gurnam	(CAT)
Soni H C	(CAT)
Tiwari S R	(CAT)

#### Venue

The conference will be held at Centre for Advanced Technology, Indore. CAT is located at about 2 km from Rajendra Nagar, a southern suburb of Indore and is 13 km away from Airport as well as Indore Railway Station.

#### About Indore

Indore is located in the western Madhya Pradesh of Malwa Plateau at a height of 550 mtrs. above sea level. The weather during February is pleasant with day temperature between 19 –25° C. As evenings and nights are cold, participants are advised to bring woolen clothes.

There are several places of tourist interest around Indore like Mandu, Ujjain, Omkareshwar and Maheswar. Excursion to these places will be a pleasant experience.

#### Checklist for Submitting Manuscripts

\* Send four copies of manuscript (original plus three), and Electronic version of the paper to the secretary, INDIAN PARTICLE ACCELERATOR CONFERENCE-2003, so as to reach before December 15, 2002.

\* Manuscript should not be folded.

\* Indicate your E-mail address.

#### Important Dates

\* Receipts of the manuscripts: **15<sup>th</sup> December 2002**

\*Last date for sending Intimation of participation and request for accommodation: **7<sup>th</sup> January 2003**

## DAE-BRNS INDIAN PARTICLE ACCELERATOR CONFERENCE – 2003

# InPAC-2003

at  
**Centre for Advanced Technology**  
 Indore – 452013, M P

## February 3-6, 2003

Sponsored by  
**Department of Atomic Energy**  
**Board of Research in Nuclear Sciences**  
**(DAE-BRNS)**

## General Information

The DAE – BRNS Indian Particle Accelerator Conference-2003 covering different aspects of Particle Accelerators is being organized at Centre for Advanced Technology (CAT), Indore, during February 3 – 6, 2003. The main objective is to provide a forum for interaction and exchange of views, experience and expertise in the field of particle accelerators. The technical programme of the conference will consist of invited talks, poster and oral presentations of contributed papers.

CAT has major programmes in the field of particle accelerators. Indus-1, India's first synchrotron light source is operational since 1999. Indus-2, a 2.5 GeV, synchrotron light source is in an advanced stage of construction. Besides, CAT has ongoing programmes for the development of industrial and medical accelerators and free electron lasers. CAT has also taken up the development of high intensity proton accelerators. CAT is also participating in the DAE-CERN collaboration and has supplied various components required for Large Hadron Collider (LHC), such as multipole superconducting magnets, jacks and computer software for various applications.

Visits to Indus-1 & other accelerator laboratories will be arranged for the participants during the conference.

## Topics to be covered

### Beam Dynamics

### DC Accelerators

### Linear Accelerators

### Cyclotrons

### Microtrons

### Synchrotrons

### Synchrotron Light Sources

### Free Electron Lasers

### Electron & Ion Sources

### Radio-active Ion Beams

### Beam Transfer Lines

### RF and Microwave Systems

### Medical and Industrial Accelerators

### Accelerator Control Systems

### Magnet Design and Technology

### Magnet Power Supplies

### Superconducting Technology

### Vacuum Systems

### Status of Accelerators

### Radiation Safety

### Applications of Accelerators

### Other related topics

## Manuscript for Contributed Papers

Authors wishing to present their work are requested to send four copies (one original plus three) of their manuscript, and an electronic version (E-mail or floppy) using MS word 97 or higher version. The length of the manuscript of the contributed papers should be restricted to two pages (including figures and references). The manuscript must be in a camera-ready form. It should reach to the Secretary, Indian Particle Accelerator Conference-2003 latest by Dec 15, 2002

## Guidelines for Preparing Manuscripts

1. Use A4 (210 mm x 297 mm) size paper leaving 25 mm margin from all sides of paper.
2. Use Times New Roman font for whole text of the paper. Title of the paper should be bold in font size 12 (not underlined). Authors name with initials in capital should be two spaces below in font size 12. Institution's address should be one space below in font size 10. It should be followed by the e-mail address of the corresponding author. The text should start from two spaces below the address (normal font size 10 justified in 1.5 line space). For uniformity, please send the manuscript printed on a laser/inkjet printers. Figures should be suitably reduced and pasted/embedded in the text neatly at appropriate places. Avoid half tone photographs.
3. Tables and figures should be identified by numerals and captions.
4. In the text, references should be given as superscripts. References should be given at the end leaving two lines after text and numbered according to the occurrence in the text. (e.g. 1.2.3.)

*Since the manuscript will be used for direct printing or Xerox or offset printing, please adhere strictly to these guidelines.*

## Proceedings

Proceedings of the conference will be made available to the participants during the conference.

## Presentation Facilities

Arrangement will be made for projecting 35 mm slides, OHP films and Powerpoint presentation using a computer. For each poster presentation, 1 m x 1 m area will be provided.

## Accommodation

Accommodation will be arranged mostly in hotels since accommodation in guesthouses is limited. Hotels tariffs range between Rs. 250/- to Rs. 600/- per day for single occupancy and Rs. 250 to Rs. 400 on twin sharing basis. Assistance in booking hotel accommodation, if required, will be provided.

## Financial Assistance

Financial assistance towards travel by train and local hospitality will be provided to a limited number of deserving candidates.

## Registration Fee and Intimation of Participation

Category	Fee
I Students	Rs. 200/-
II Delegates from educational institutions and Govt. organizations	Rs. 600/-
III Delegates from public sector undertakings and industries	Rs. 1000/-

Registration fee shall be paid in the form of a DD in favour of **InPAC-2003** payable at Indore. The DD along with the registration/ accommodation booking form should be sent so as to reach the Secretary, InPAC-2003 on or before 7<sup>th</sup> January 2003.

## For details and enquiry, please contact:

**Gurnam Singh**, Convener, InPAC-2003  
Centre for Advanced Technology  
Indore- 452 013, M P  
E-mail : [c-inpac@cat.ernet.in](mailto:c-inpac@cat.ernet.in)  
Tel : 0731- 488053  
Fax : 0731-488000

**P. R Hannurkar**, Secretary, InPAC-2003  
Centre for Advanced Technology  
Indore- 452 013, M P  
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*For updates visit our website:*  
<http://www.cat.gov.in/inpac2003>

DAE-BRNS  
**Indian Particle Accelerator Conference-2003**  
**InPAC - 2003**  
**Feb 3 - 6, 2003**  
**Information of participation**

Name (in capitals) \_\_\_\_\_  
(Last name) (Initials)

Sex: *Male/Female*

Designation \_\_\_\_\_  
(Prof./Reader/Lecturer/Sci. Off/RA/Student etc.)

Registration fee category: I/II/III

Address \_\_\_\_\_  
\_\_\_\_\_

Pin code : \_\_\_\_\_

Tel : \_\_\_\_\_

Fax : \_\_\_\_\_

Email : \_\_\_\_\_

Proposed Contribution: *Paper/Exhibits/Participation only*

Financial Assistance\* : Full/Partial/Not required

Accommodation : *Required (Single/Family)/Not required*

Hotel : *Single/Twin Sharing*

Accommodation required from Feb \_\_\_\_ to \_\_\_\_ 2003

My expectation/entitlement for Hotel is up to Rs. \_\_\_\_/-per day (*Unless this column is filled, it will not be possible to arrange the accommodation*)

Date \_\_\_\_\_ Signature \_\_\_\_\_

Please mail (by post or e-mail) this form for registration so as to reach the Secretary, at Indore by 7<sup>th</sup> January 2003.

\* Can be provided to a very limited number of deserving candidates only, for whom their institutes are unable to pay. Please attach a letter recommendation from the concerned institute.

**This form can be xeroxed for additional copies.**