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International Conference on High Power Coherent Radiation Generation & its Interaction with Matter

February 12-14, 2016



Organized by
Physics Department
Samrat Ashok Technological Institute
Vidisha (M.P.) 464001 , India

Introduction

The aim of the conference is to provide a platform for researchers to be acquainted with fundamental science, applications and technical aspects related to source development with the experts in the area. Recent developments and applications of electron beam driven radiation for achieving shorter wavelengths, greater power and higher efficiencies will be discussed. Applications of coherent radiations sources in a various field viz. defense, bio-sensing, medical applications, material science, diagnostics, etc. will also be covered.

Topics to be covered but not limited to:

- ◆ Emerging trends in high power generation & applications
- ◆ Fundamentals of radiation generation
- ◆ Lasers & their applications
- ◆ Experiments at RRCAT Indore
- ◆ Microwave sources
- ◆ Laser matter interaction and applications
- ◆ Terahertz radiations
- ◆ Charged particle acceleration
- ◆ Free electron lasers
- ◆ Surface Plasmon and their applications
- ◆ Other relevant areas

Researchers from all disciplines of Science & Engineering are eligible to attend the conference.

About Vidisha

Vidisha is situated about 50 km north of Bhopal, the capital of state of Madhya Pradesh, India., well connected by rail and road. The nearest airport, Bhopal is about 50 km from Vidisha.. It has a rich cultural heritage with the world famous Buddhist Stupas at Sanchi 10 km from Vidisha. Some other prominent monuments in its vicinity are Udaigiri caves, the Heliodorus pillar, (erected in approximately 140 BC), the Shiva Temple at Udaipur, Maladevi Temple at Gyaspur and Dargah of Khwaja Fatehullah at Raisen. Other places of cultural and historical importance are the upper lakes of Bhopal, the Shiva temple at Bhojpur and world famous Bheem Baithaka. During February the temperature ranges from 15C – 27C.

Registration Fee

Research Scholars & Students: Rs.500/-

Faculty members : Rs.1000/-

International participants: US\$500

Fee to be paid in the form of Demand Draft in favor Director, Samrat Ashok Technological Institute, Vidisha (M.P.)

Online transfer of funds facility is also available.

Are al Financial Assistance

Outstation participants will be paid travel assistance (sleeper class) on availability of funds Limited free lodging and boarding in hostels will be provided to participants on prior request. However, subsidized lodging & boarding will be provided in hotels in near vicinity.

Important Dates

Last date for receipt of Abstract: **10.01.2016**

Intimation of paper acceptance **20.01.2016**

Confirmation by participants **27.01.2016**

Free pickup / drop facility from / to Bhopal railway station an airport can be arranged upon request.

Visit to nearby historical places will be arranged for participants upon request..

Advance copy of application & abstract / paper may be submitted through e mail followed by hard copy..

Participants are advised to visit institute web site regularly for updates.

Format & Page limit

Abstract can be submitted on one A-4 size page with 1.5 line spacing and 1 cm margins on each side.

Full length papers must be limited to 4 A-4 size papers with single spacing and 1cm margin on each side.

Typesetting and formatting must be done by following



REGISTRATION FORM

(Coherent radiation generation & applications)

1. Name: _____

2. Affiliation: _____

3. Address for Correspondence: _____

4. Contact details:

Phone (O) _____

Mobile: _____

E mail ID: _____

5. Details of Registration fee: _____

6..Title of paper: _____

7. Preferred mode of presentation: Oral Poster

8. Travel assistance: required ? : Yes No

9. Type of accommodation required (put \surd):

(a) Hostel Hotel

(b) Single Double Shared

10. Accompanying persons: _____