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### Proceedings of the Conference

Proceedings of the conference and symposium; containing contributed papers, plenary lectures & invited talks will be published after the conference. All the contributed papers presented at the conference will be included after positive review reports from two referees.

### Important Dates

Deadline for Full Paper Submission : September 30, 2012  
Notification of Acceptance : October 15, 2012  
Early Bird Registration : October 31, 2012

### Registration Fee

Registration*	Students	Others
Early Bird Registration (Upto 31 <sup>st</sup> Oct 2012)	Rs. 1000/-	Rs.1200/-
Late Registration (After 31 <sup>st</sup> Oct 2012)	Rs. 1200/-	Rs.1500/-

\* Paper contributor who is not member of GAMS will have to pay Rs. 50/-extra for sessional membership.

For participation in the conference the registration is compulsory. The Registered participants will be provided with free boarding and lodging from 6<sup>th</sup> December afternoon to 10<sup>th</sup> December forenoon.

17<sup>th</sup> ANNUAL CONFERENCE  
OF  
Gwalior Academy of Mathematical Sciences  
and  
NATIONAL SYMPOSIUM  
ON  
Computational Mathematics  
&  
Information Technology



December 7-9, 2012

Sponsored by



DST



DRDO

Organized by:

Dept. of Mathematics & Dept. of CSE  
Jaypee University of Engineering &  
Technology

A.B. Road, Raghogarh  
Distt. Guna – M. P. (INDIA)- 473 226  
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## JUET

Jaypee University of Engineering and Technology, was established in the year 2003 in the name of Jaypee Institute of Engineering & Technology based on the MOU signed between Jaiprakash Sewa Sansthan and the Government of Madhya Pradesh with an aim of becoming a Center of Excellence in Engineering and Technology. The Government of MP has vide gazette extra ordinary no. 3 of 2010 has established Jaypee University of Engineering and Technology (JUET), Raghogarh, Guna as a private university in the State of MP.

This is one of the three institutions of higher learning in the field of Degree level Engineering education established under the Jaiprakash Sewa Sansthan (JSS), which recognizes the role of IT and emerging technologies in improving the quality of life of the people of India. JUET's location at Raghogarh, in Guna district is a well thought out process. It is being developed as a major center to provide competent, well trained technical manpower to the region. Its campus on the national highway linking Agra to Mumbai is being developed on a 100 acres piece of land as modern institution of higher learning in the fields of engineering, technology and sciences. It aims to produce professionals who can be leaders in innovation, entrepreneurship, creativity and management. Presently, this University offers B. Tech., M.Tech. and Doctoral Programmes in Chemical Engineering, Civil Engineering, Computer Science Engineering, Electronics and Communication Engineering, Mechanical Engineering and Applied Sciences. UG & PG Program in mathematics & sciences are being started w.e.f from July 2012.

## GAMS

The Gwalior Academy of Mathematical Sciences (GAMS) was launched by Professor V. P. Saxena the founder President in March 1994; with headquarter at Jiwaji University, Gwalior. The main objective of GAMS is to serve the cause of Mathematical Sciences by promoting its activities in teaching and research. Other objectives of the academy include organization of symposia, seminars and conferences in Applied and Computational Mathematics and Applications of Mathematics and Information Technology in the fields of Biology, Computer Science and Financial studies. This is the only registered Indian Society which is member of International Federation of Societies of Biomathematics. GAMS publish a research journal with an International Editorial Board. Sixteen Annual and Two International Conferences of the academy have taken place at various universities and institutes of national repute. The Sixteenth Annual cum 2<sup>nd</sup> International conference was held at S.S. Dempo College, Goa from September 22 to 25, 2011, under the president ship of Professor R. K. Datta a computer scientist of International repute. 17<sup>th</sup> annual conference of GAMS and National Symposium on Computational Mathematics and Information Technology are being organized from December 7 to 9, 2012 by Jaypee University of Engineering and Technology, Guna.

## Theme of the Conference & Symposium

In recent years there has been exciting developments in all branches of mathematics and information technology. Rapid program in computer related fields based on mathematical sciences have created a lot of gales in the branches. The main objectives of the conference is to bring Mathematicians, Industrialists, Computer Scientists; IT specialists etc. together on one platform to interact with each other, share knowledge, exchange views, and discuss the topics of mutual interests and develop Inter disciplinary groups for fruitful applications of mathematics & IT to Industries. It also aims at presenting and discussing recent developments in mathematics & Information Tech.

## Call for Papers

Original research papers, review of special topics, survey articles on recent developments in applicable mathematics & Information Technology are invited for presentation at the conference. Intended participants are invited to send the abstracts (not exceeding 250 words) of their papers to the below mentioned E-Mail address by September 15 and full paper by September.30. The academic program of the conference will consist of Plenary and Invited Talks and contributed papers presentations in the following areas:

- Information Theory and Coding
- Mathematical Modeling & Computational methods
- Mathematical Models for Signal Processing
- Mathematical Biology and Bioinformatics
- Fluid Mechanics
- Advanced Numerical Techniques
- Applied Graph Theory and Network
- Data Mining and Knowledge Discovery
- Graphics, Entertainment, and Gaming
- Network Communication & Security
- Image Processing & Remote Sensing
- Novel Algorithmic Paradigm and Domain Specific Data Structures
- Distributed Processing & Grid Computing
- Service Oriented Architectures
- Artificial Intelligence & Neural Networks
- Embedded Systems & Fault tolerant Computing
- Software Engineering
- Applied Functional Analysis
- Operational Research & Survival Analysis
- Applied Statistical Methods
- Any relevant field applicable to Industry and Engineering Sciences.

## Registration form

### 17<sup>th</sup> Annual Conference Of Gwalior Academy of Mathematical Sciences & National Symposium On Computational Mathematics & Information Technology December 7 - 9, 2012

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Affiliation : \_\_\_\_\_

Address for correspondence :  
\_\_\_\_\_  
\_\_\_\_\_

Phone : \_\_\_\_\_

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

Accommodation required: Yes/No (If Yes)

From \_\_\_\_\_ To \_\_\_\_\_

Details of DD : \_\_\_\_\_

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

**Note:** Demand draft may be issued in the name of JUET Payable at Guna. Photocopy of this form can also be used.

## Address for Correspondence

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Organizing Secretary

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