

## ORGANIZING COMMITTEE

### Patron

S. Gurmeet Singh Dhaliwal

### Convenor

Er. Manish Goyal

### Conference Advisory Council

Dr. Nathi Singh

Dr. Manish Bansal

Dr. Pardeep Kaura

### Organizing Secretary

Dr. Manish Gupta

### Executive Members

Er. Jyoti Bansal (Associate Professor)

Er. Gurpreet Singh Deol (Associate Professor)

Er. Kovid Sharma (Assistant Professor)

Mr. B.S. Brar (Assistant Professor)

Er. Sunil Nagpal (Assistant Professor)

Er. Ajay Sidhana (Assistant Professor)

Er. Gurpreet Singh Mann (Assistant Professor)

Er. Hardeep Singh (Assistant Professor)

Er. Harsimran Singh (Assistant Professor)

Er. Shagunveer Singh Sidhu (Assistant Professor)

## INTERNATIONAL ADVISORY COMMITTEE

Dr. Andreas Klappenecker, Texas A&M University, TX, USA

Dr. Simon Litsyn, Tel Aviv University, Israel

Dr. John Michael Rassias, National and Capodistrian University of Athens, Athens, Greece

Dr. Jinqun Luo, University of Bergen, Bergen, Norway

Dr. I. J. Taneja, Florianopolis, SC, Brazil

Dr. S. M. Rizwan, Caledonian College of Engineering, Muscat, Sultanate of Oman

Dr. R. C. Gupta, University of Maine, Orono, USA

Dr. Ing. Reuben Farrugia, University of Malta, Msida, Malta

Dr. Malisa Zizovic, University Singidunum, Serbia

Dr. B. K. Das, Delhi University, New Delhi, India

Dr. R. K. Tuteja, MDU, Rohtak, India

Dr. Ranjan Bose, IIT, Delhi, India

Dr. R. R. Bhargava, IIT Roorkee, India

Dr. H. C. Taneja, Delhi Technical University, Delhi, India.

Dr. Gulshan Taneja MDU, Rohtak, India

Dr. Rajiv Kumar, MDU, Rohtak, India

Dr. J. S. Sikka, MDU, Rohtak, India

Dr. R. C. Hasija, HAU, Hisar, India

Dr. O. P. Vinocha, FCET, Ferozepur, India

Dr. Jaskarn S. Bhullar, MIMIT, Malout, India

Dr. R. P. Singh, Sahibabad, India

Dr. R. K. Narula, PIT, Mansa, India

Dr. Vasundhara, GVP College of Engineering, Madurawada Visakhapatnam, India

## FOR MORE INFORMATION CONTACT

Dr. Manish Gupta

Organising Secretary, Department of Applied Sciences, BFCET, Bathinda

Ph. +919501115418, +919815138274, manishgupta.bti@gmail.com

[babafaridgroup.com/IMS13](http://babafaridgroup.com/IMS13)



# BABA FARID GROUP OF INSTITUTIONS

Muktsar Road, Bathinda Ph. 0164-2786001, 02, 03, 04 / 95011-15001, 02, 03, 04 [www.babafaridgroup.com](http://www.babafaridgroup.com)

Admission Helpline: 1800-4191-005 (Toll-Free)

# International Conference

on

# INFORMATION AND MATHEMATICAL SCIENCES (IMS-13)

24-26 October, 2013

Organized by:



# BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY

In Collaboration with



Indian Society Of Information Theory  
And Its Applications (ISITA)

## ABOUT CONFERENCE

International Conference on 'Information and Mathematical Sciences (IMS-13)' being organized by **Baba Farid College of Engineering & Technology** covers the research areas under different themes related with Information and Mathematical Sciences. Information Sciences has become an integral part of almost any system involving the transmission or storage of digital information, innovations such as digital cellular telephony, digital television, and high-density digital storage, particularly with the emergence of the compact disc, high-speed data modems and digital cellular telephony, commercial applications have proliferated. Unlike the other sciences applications of Mathematics are not very visible. Indeed there is something for everybody to gain from the universal language of mathematics. Today it is virtually impossible to do advanced level work in any branch of science or engineering without the application of Mathematical Sciences. Conference provides opportunities for the delegates to exchange new ideas and innovations to establish research relation for future collaborations. IMS-13 aims to offer a high-level international forum for scientists, researchers and engineers to present the state-of-art of research and applications of Information and Mathematical sciences. The conference will feature plenary session and invited talks by world renowned scholars and regular sessions with broad coverage focusing on popular topics.

## ABOUT HOST INSTITUTE

Baba Farid Group of Institutions is managed by Baba Farid Vidyak Society founded in 1993 under the encouraging patronage of prominent educationists of Malwa Region of Punjab. The society aims at providing quality education at affordable fee along with preparing the young minds to face the competitive world on all fronts. The lush green campus, spread over 50 acres, is situated 4 kilometers away from municipal limits of Bathinda city on Bathinda- Muktsar road. The group is determined to prepare a team of young scholars who are enthusiastic enough to rise to the need of the hour and resolve to fight the evils of the society. Baba Farid Group of Institutions offers a number of Under Graduate courses and Post Graduate courses and has created a niche for itself in the field of education in a very short span of time.

Baba Farid College of Engineering and Technology established in the year 2008 is affiliated to Punjab Technical University, Jalandhar and approved by AICTE. The College runs under graduate courses of B.Tech. (4 Years) in the disciplines of Computer Science and Engineering(CSE), Electronics & Communication Engineering(ECE), Information Technology(IT), Civil Engineering(CE), Mechanical Engineering(ME) & Electrical Engineering(EE) and Post graduate courses of M.Tech in Computer Science & Engineering(CSE) and Electronics & Communication Engineering(ECE). At present college has a strength of about 1500 students.

## ABOUT ISITA

Society was established on 25th May, 1995 with REGD. No. 5/27955 registered in Delhi at all India basis norms, under the following founder office bearer of the society: Late Dr. J.N. Kapur as the president; Dr. R. K. Tuteja & Dr. R. P. Singh as General Secretary; Dr. Om Parkash as Joint Secretary; Dr. (Ms.) Anju Rani as Treasurer and many distinguished scientists as members of the council. Present office bearer of the society are Dr. R. K. Tuteja as president; Dr. P. L. Maggu as Sr. Vice President; Dr. B. K. Dass, Dr. O.P. Vinocha & Dr. R.C.Hasija are Vice President; Dr. R. P. Singh as General Secretary; Dr. Gulshan Taneja as Joint Secretary; Dr. Anju Rani as Treasurer and Members of the Council of the society are Prof. D.S. Hooda, Prof. Grover, Prof. H.C. Tajena, Dr. Om Prakash, Dr. Madhu Jain, Dr. S.K. Arora, Dr. Jagdish Prasad, Dr. Rajneesh Kumar, Dr. Prem Nath, Dr. V.K. Tyagi, Dr. J.S. Bhullar, Dr. Rajeev Kumar.

## CALL FOR PAPERS

Original research papers are invited in the conference. The intended may send their abstracts (not exceeding 300 words) by e-mail to organizing secretary at [manishgupta.bti@gmail.com](mailto:manishgupta.bti@gmail.com) before 15<sup>th</sup> July, 2013. Submission must be handled electronically. The abstract must be prepared in MS-Word and must incorporate the title, author's name, address with email id. Authors may send the full length paper after the acceptance of abstracts. After peer-reviewing the papers will be published in conference proceedings with ISBN/ISSN number.

## The following topics will be covered in IMS-13 (but not limited to)

- ▲ Communication Theory and Systems
- ▲ Information Theory and Coding Theory
- ▲ Quantum Information and Coding
- ▲ Wireless & Mobile Communications
- ▲ Satellite Communications
- ▲ Network Information Theory
- ▲ Cryptography
- ▲ RF & Microwave Communications
- ▲ Signal Processing for Communication
- ▲ Image & Video Signal Processing
- ▲ Speech & Audio Processing
- ▲ Language Identification/Processing
- ▲ Computational Science
- ▲ Information Systems and Applications
- ▲ Algebraic Topology
- ▲ Control Theory
- ▲ Discrete Mathematics
- ▲ Field Theory and Polynomials
- ▲ Fluid Mechanics and Solid Mechanics
- ▲ Functions of a Complex Variable
- ▲ Fuzzy Mathematics
- ▲ Graph Theory
- ▲ Group Theory and Generalizations
- ▲ Linear and Multilinear Algebra
- ▲ Mathematical Physics
- ▲ Measure Theory and Integration
- ▲ Number Theory
- ▲ Numerical Analysis
- ▲ Operations Research, Optimization
- ▲ Ordinary and Partial Differential Equations
- ▲ Rings and Algebras
- ▲ Statistical Mechanics, Structure Of Matter
- ▲ Recent Machining & Welding Techniques
- ▲ Thermal Spray Process
- ▲ Fluid & Thermodynamics
- ▲ Manufacturing Technologies
- ▲ Stochastic Models
- ▲ Applications of Mathematics

## REGISTRATION FEES

Category	Delegates from INDIA	Delegates from SAARC Countries (Other than India)	Delegates from other Countries
Academician/ Faculty	₹ 2000	\$ 50	\$ 150
Student/ Research Scholar	₹ 1500	\$ 40	\$ 100
Industry Persons	₹ 2500	\$ 60	\$ 150

Registration fees for ISITA members will be ₹ 1200 /-

## MODE OF PAYMENT

Registration is compulsory for all participants. The delegates are requested to register well in advance to ensure participation. The fees may be sent in the form of Demand Draft in favour of Principal, Baba Farid College of Engineering and Technology payable at Bathinda. For direct transfer of Registration Fees **Bank Name is Punjab National Bank, Account No. of 0050000102011688 IFS Code- PUNB 0005000.**

## IMPORTANT DEADLINES

Abstract Submission	15th July, 2013
Acceptance Notification	1st August, 2013
Paper Submission	30 September, 2013
Registration	10th October, 2013