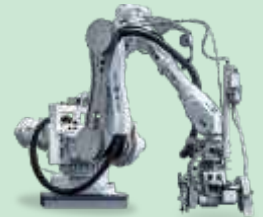


BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY



International Conference on Intelligent Machines (ICIM'19)

15th & 16th March 2019



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ABOUT BFGI

Baba Farid Group of institutions is managed by Baba Farid Vidyak Society founded in 1993 under the encouraging patronage of a prominent educationist of Malwa Region of Punjab with an aim to provide quality education to young minds and to prepare them to face the competitive world. The lush green campus spread over 70 acres. Baba Farid Group of Institutions having more than 10000 students in 60+ Under Graduate & Post Graduate courses.

The infrastructure is equipped with Air-conditioned classrooms, Conference room, Centrally Air conditioned Library, Seminar hall and Computer labs, etc. The institute has separate Air-conditioned hostels for boys and girls having rooms with attached wash rooms. The institute provides a well connected transport services to all the adjacent areas within the radius of 70 kms.

ABOUT BFCET

Baba Farid College of Engineering and Technology is the premier Institute of Malwa Region of the State of Punjab, established in 2008. Baba Farid College of Engineering and Technology is a prominent institute of BFGI approved by AICTE & affiliated to Maharaja Ranjit Singh Punjab Technical University, Bathinda. Step by step College of Engineering and Technology has grown and has risen like a star on academic horizon. The main strength of the institution is to impart the practical skills to the students with the support of excellent infrastructure and highly qualified faculty. The institute offers an inspiring learning environment, which transforms our bright young scholars into talented, creative and disciplined professionals. The Campus offers a host of hi-tech ultra modern facilities to ensure good quality education. The college runs under-graduate course of B.Tech. in the disciplines of Computer Science, Electronics & Communication, Civil, Mechanical & Electrical Engineering & Post-graduate course of M.Tech in CSE & course of D.VOC. in the disciplines of Automobile Servicing, Electronics Manufacturing Servicing, Refrigeration & Air-conditioning.



AIM OF CONFERENCE

The International Conference On Intelligent Machines (ICIM'19) aims to achieve a multi-disciplinary balance between research advancements in theories and methods associated with Artificial Intelligence, Internet of Things (IoT) and Robotics. ICIM'19 is devoted to address the research areas that deepen the understanding of logical, cognitive, and computational foundations of the future perspectives and exploring the most essential issues and innovations in Applied AI, IoT and Robotics in three simultaneous tracks.

The prime objective of the conference is to bring together the scholars, scientists and industrialists from all across the world to a common platform and achieve the following:

To present the ongoing researches in different fields and hence to foster research relations between the Universities and the industry.

Give participants a review of the latest and upcoming trends in the next few years.

Exposing the audience to the need for more development and research for innovation.

Provide the delegates to share their new ideas and the application experiences face to face.

HOW TO REACH

Bathinda is located in the south west region i.e. cotton belt of the Punjab state. It is well connected with New Delhi which is 315 km. away by air, rail and road. The weather at Bathinda during the month of February will be pleasant with mild winter. Light warmers will do.



CONFERENCE TRACKS

Track 1: Artificial Intelligence

- ↗ AI Algorithms
- ↗ Artificial Intelligence Tools & Applications
- ↗ Automatic Control
- ↗ Natural Language Processing
- ↗ CAD Design & Testing
- ↗ Computer Vision and Speech Understanding
- ↗ Data Mining and Machine Learning Tools
- ↗ Fuzzy Logic
- ↗ Heuristic and AI Planning Strategies and Tools
- ↗ Computational Theories of Learning
- ↗ Intelligent System Architectures
- ↗ Knowledge-based Systems
- ↗ Mathematical aspects of Artificial Intelligence
- ↗ Intelligent Transport System
- ↗ Intelligent Waste Management

Track 2: Robotics

- ↗ Kinematics, dynamics, control and simulation of autonomous intelligent systems
- ↗ Design of robotic mechanisms
- ↗ Man-machine interface and integration
- ↗ Robotics-related computer hardware, software, and architectures
- ↗ Vision and other non-contact sensory systems
- ↗ Active sensory processing and control
- ↗ Machine learning and artificial intelligence for robotics
- ↗ Medical and Assistive Robotics
- ↗ Bio-mimetic and Bio-inspired Robotic Systems
- ↗ Navigation of Unmanned vehicles – ground, aerial, underwater

Track 3: Internet of Things (IoT)

- ↗ Vertical Oriented IoT Applications
- ↗ Computer and Devices Technologies for IoT
- ↗ Connectivity for IoT Application and Services Intelligence Systems
- ↗ Geographic Information Systems
- ↗ Intelligent Transportation Industrial IoT for digital transformation in India
- ↗ Storage and Data Management for IoT
- ↗ Bridging the skill gap for next digital revolution - IoT and Human Interface
- ↗ IoT's Impact on Automotive and Mobility
- ↗ Smart Cities and IoT
- ↗ Academic Research in the era of Education 4.0
- ↗ Modern Network and Multimedia Technologies/Adhoc Networks/Wireless Sensor Networks
- ↗ Fog Computing

OUR KEYNOTE SPEAKERS



Valentina E. Balas
University of Arad, Romania.

Valentina E. Balas is currently Full Professor at “Aurel Vlaicu” University of Arad, Romania. She is author of more than 300 research papers. Her research interests are in Intelligent Systems, Fuzzy Control, Soft Computing. She is Editor-in Chief to International Journal of Advanced Intelligence Paradigms (IJAIP) and to IJCSE. She is member of EUSFLAT, ACM and a SM IEEE, member in TC – EC and TC-FS (IEEE CIS), TCSC (IEEE SMCS), Joint Secretary FIM.



Narendra S. Chaudhari
Indian Institute of Technology,
Indore

Narendra S. Chaudhari is currently with Indian Institute of Technology, Indore since Aug 2009 as a Professor of Computer Science and Engineering. He was Director of Visvesvaraya National Institute of Technology (VNIT) Nagpur (M.S.) since June 2013 till June 2018 (five year term). He was Dean - Research and Development (Dean - R&D), IIT Indore. Since 2001 to July 2009, he was with the School of Computer Engineering, Nanyang Technological University (NTU), Singapore. He had also worked with M.Sc. DRDO Program, Ministry of Defense (Govt. of India) at Devi Ahilya University, Indore.



Jude Hemanth
Karunya University, Coimbatore,
India

D. Jude Hemanth received his B.E degree in ECE from Bharathiar University in 2002, M.E degree in communication systems from Anna University in 2006 and Ph.D. from Karunya University in 2013. His research areas include Computational Intelligence and Image processing. He has authored more than 100 research papers in reputed International Journals. He has authored 1 book with (VDM-Verlag, Germany) and 11 edited books with reputed publishers such as Springer and Inderscience. He has been serving as Associate editor of various International Journals with Publishers such as IEEE, Springer (Sensing and Imaging), Inderscience (IJAIP, IJICT, IJCVR, IJBET), IOS Press etc.



Praveen Kumar Khosla
Executive Director, C-DAC, Mohali

Praveen Kumar Khosla, a senior scientist from the DRDO, has been appointed as Executive Director of the Centre for Development of Advanced Computing (C-DAC), Mohali. Prior to this, he was Associate Director at the DRDO's Terminal Ballistics Research Laboratory here. He has an experience of over 30 years in the DRDO and his achievements include the Scientist of the Year Award.

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Lise Getoor

University of California, Santa Cruz, USA

Malte Helmert

Professor, University of Basel, Switzerland

Percy Liang

Stanford University, USA

Emma Brunskill

Carnegie Mellon University, USA

Dr. Jasbir Singh Hundal

Registrar & Dean R&D, MRSPTU, Bathinda

Dr. Savina Bansal

Campus Director, GZSCET, Bathinda

Dr. Ashok Kumar Goel

Director, College Development & Council,

MRSPTU, Bathinda

Dr. Buta Singh Sidhu

Dean (Planning & Development)

MRSPTU, Bathinda

Edith Elkind

University of Oxford, United Kingdom

Holger Hoos

University of British Columbia, Canada

Adrian Pearce

The University of Melbourne, Australia

Carolyn P. Rose

Carnegie Mellon University USA.

Roberto Martinez-Maldonado

University of Technology Sydney, Australia

Tanja Mitrovic

University of Canterbury, New Zealand

Ulrich Hoppe

University of Duisburg-Essen, Germany

Vania Dimitrova

of Leeds, United Kingdom

Diego Zapata-Rivera

Educational Testing Service, Princeton, USA

James Lester

North Carolina State University, USA

Rajendra Akerkar

Western Norway Research Institute,
Norway

Georg Gottlob

Oxford University, UK

Frank Van Harmelen

Vrije Universiteit Amsterdam

Matthias Klusch

German Research Center for Artificial Intelligence,
Germany

Yuefeng Li

Queensland University of Technology, Australia

Hiroshi Motoda

Osaka University, Japan

Toyoaki Nishida

Kyoto University, Japan

Shankar K. Pal

Indian Statistical Institute, India

Gabriella Pasi

University of Milano-Bicocca, Italy

Sudipta Roy

Washington University, Saint Louis

Ahmed A. Elngar

Beni-Suef University, Egypt

Technical Collaboration



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BFGI HIGHLIGHTS

BFGI INTERNATIONAL FEST

VIBGYOR



TECHNO WORLD



MAGNET



WINNER OF MR. & MRS. VIBGYOR-18



CULTURAL PERFORMANCE



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AMUSEMENT PARK



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TANURA



Babbu Maan



Kamal Heer



Nimrat Khaira



Harf Cheema



INTERNATIONAL CONFERENCE on FOOD SECURITY, NUTRITION AND SUSTAINABLE AGRICULTURE-EMERGING TECHNOLOGIES

Technical Collaboration



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BFCET HIGHLIGHTS



Two Engineering NCC Cadet Students from Baba Farid College of Engineering & Technology Participated in National level Republic Day 2k19 Parade at New Delhi



University Champion of MRSPTU (Youth Festival 2018)



2nd Position in Inter College Cricket Tournament at MRSPTU, Bathinda

UNIVERSITY POSITION HOLDERS

MRSPTU & IKGPTU



Ms. Ramandeep Kaur
M.Tech. (CSE) 3rd Sem.



Ms. Shivani Singh
B.Tech. (IT) 3rd Sem.



Mr. Satyam Kumar
B.Tech. (EE) 3rd Sem.



Ms. Manvinder Kingra
B.Tech. (CE) 6th Sem.



Ms. Komalpreet kaur
B.Tech. (CE) 6th Sem.



Mr. Gagandeep Garg
B.Tech. (EE) 6th Sem.



Ms. Sumit Rani
B.Tech. (EE) 6th Sem.

OUR ALUMNI PLACED AT PRESTIGIOUS COMPANIES



Prajwal Sharma
BYJU'S



Apurva Thakker
BYJU'S



Amangreet Singh
BYJU'S



Navleen Sharma
Infosys



Abhay Ranjan
Infosys



Diksha Bhatta
TCS



Shaija
HCL



Harmanjeet Kaur
Zinnov



Gurjibal Singh Sandhu
JLF Construction



Rohit Goyal
LAHRI



Manpreet Singh
HERO



Shri Nath Mourya
BOSCH



Lovepreet Kaur
WIPAC



Nilesh Kumar Sharma
TCS



Puneet Goyal
TCS

and many more ...

BFGI SCHOLARSHIP POLICY (2019-20)

(In Memory of Late S. Kuldeep Singh Gill (Director Finance, BFGI))

worth
₹ 3 Crore

Category	Percentage in 10 th	Percentage in 10+2 or UG	Scholarship
New Admission in 10+1, UG & PG classes	Merit Holder	Merit Holder	100% of Academic Fee
	90% Above	85% Above	100% of 1st Sem. Tuition fee
	85-89.99%	80-84.99%	50% of 1st Sem. Tuition fee
	80-84.99%	75-79.99%	25% of 1st Sem. Tuition fee
	75-79.99%	70-74.99%	15% of 1st Sem. Tuition fee

Category	Positions	Scholarship
New Admission Based on Cultural Sports Event	Position holder at National/Inter-University Level	100% of 1st Sem. Tuition fee
	Position holder at State/University Level	50% of 1st Sem. Tuition fee

Category	Positions in Entrance Test	Scholarship
New Admission Based on State Level Entrance Test	TOP 500 positions	100% of 1st Sem. Tuition fee
	501 to 1500 positions	50% of 1st Sem. Tuition fee
	1501 to 3000 positions	25% of 1st Sem. Tuition fee
New Admission Based on National Level Entrance Test	TOP 1000 positions	100% of 1st Sem. Tuition fee
	1001 to 5000 positions	50% of 1st Sem. Tuition fee
	5001 to 10000 positions	25% of 1st Sem. Tuition fee

Category	Positions	Scholarship
Enrolled Students	Top 3 Positions in University Merit List	100% of Tuition fee of subsequent semester
	4 th to 10 th Positions in University Merit List	50% of Tuition fee of subsequent semester
	Students obtaining 85% or above marks in University/Board	20% of Tuition fee of subsequent semester
	*Position holder of Game/event at National/Inter University level	Rs 10,000/- (Individual Participation), 2100/- (Each, Incase of Team)
	*Position holder of Game/event at State/University level	Rs 5,000/- (Individual Participation), 1100/- (Each, Incase of Team)

***Incase of game-1st three Positions will be considered. *Incase of event-1st two Positions will be considered.**

Category	Percentage in Eligible Class	Scholarship
Economically Weaker*	85% Above	100% of Academic fee
	80-84.99%	50% of Academic fee

CATEGORY	Scholarship
For the children of Martyrs	100% of Academic fee through out the course
For the children of Defence personnel/Ex-Servicemen	50% of 1st Semester Tuition fee
For those students who have passed 10 th / 10+2/ UG class from BFGI and seeking admission in next higher class	50% of 1st Semester Tuition fee
For the single girl child	25% of Tuition fee through out the course
For the children of employees of BFGI	25% of Academic fee through out the course
For the children of Principals of Secondary Schools/Colleges	20% of Academic fee through out the course
For the children of Press Reporters	20% of Academic fee through out the course

Note: If a student is eligible for Scholarship in more than one category, he/she can avail Scholarship only in one category

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