

3rd International Conference

on Advanced Computing Technologies & Applications

ICACTA 2024

12th & 13th APRIL 2024

Organized By -

Faculty of Computer Applications

CAMPUS: Invertis Village, Highway NH-24, Bareilly, U.P. -243123 Ph.: +91(0581) 2460442, 2460443, 3501350 **Jointly Organised By:**



Centre for Global Business Studies Howard University Washington, DC, USA



ABOUT THE UNIVERSITY

Invertis is a leading University offering a wide range of courses pertaining to different fields of studies. Established in the year 1998, Invertis has grown immensely and today it stands as a full-fledged University with 9 different institutes under its umbrella. Invertis is a delightful destination for the students not only in terms of acquiring academic prowess but also for holistic development and studying in a world class learning environment. The teaching methodology adopted by Invertis is based on learning beyond academics which ensures all-round development of the students through warmth from the faculty, guidance from the management and direction for the life ahead through career shaping. We offer a range of Doctoral, Post Graduate & Under Graduate programmes in Management, Law, Commerce, Computer Applications, Pharmacy, Education, Journalism & Mass Communication, Bio-Science & Technology, Science, Fashion Design and Engineering & Technology. At Invertis, we believe that the success of a teacher comes along with the achievements of a student. To ensure that our students succeed, we make sure that they get the very best, that's why our faculty comes from premier institutes like IITs, IIMs & NITs. Invertis pioneered the concept of holistic development, an approach of more than just text book studying and an all-round approach of learning. "Technology is best when it brings people together".

ABOUT THE CONFERENCE

It gives us immense pleasure to announce that Department of Computer Applications, Invertis University, Bareilly, Uttar Pradesh, India, is organizing an International conference on "Advanced Computing Technologies & Applications" (ICACTA 2024) on 12th and 13th April, 2024.

We would like to invite research papers based on original work from researchers, academicians, corporate leaders and students to gather and discuss the latest changes in the field of computing. The present era is going to change the scenario of the world in the time to come. During the last two decades, the major changes that have taken place in the field of computing have brought revolution in the work and life management of people. It has developed enormous job opportunities in the country and abroad. The applications of technologies like Cloud Computing, Parallel Computing, Big Data, Machine Learning and Soft Computing etc. are increasing day by day, which is changing the entire horizon of computing applications. The conference will be highlighting new opportunities in research and development of advanced computing technologies. The objective of this International e-conference is to facilitate the sharing of research based knowledge.

Computer applications education in India has emerged as a significant and integral discipline across industries, government sectors, and educational institutions. With the rapid growth of the IT industry, its importance has further amplified.

ABOUT THE DEPARTMENT

Invertis University's Department of Computer Applications offers a range of undergraduate, postgraduate, and doctoral programs aimed at cultivating proficient professionals capable of navigating modern technologies. These programs cover diverse topics including programming languages, software engineering, computer networks, database systems, and more.

The department boasts experienced faculty members with diverse research interests, supported by well-equipped laboratories housing various software packages for hands-on learning. Students also benefit from internship opportunities, industry collaborations, and participation in conferences and workshops to stay abreast of the latest advancements in the field.

"There is no innovation and creativity without failure. Period." - Brene Brown

ICACTA 2024

CONFERENCE TRACKS

The Conference invites extended abstract in any of the following domains :

Technology Trends

- Internet of Things
- Blockchain
- Cyber-Physical Systems
- Big Data
- Smart Cities
- Machine to Machine
- Data Analytics
- Mobile Applications
- Digital Transformation
- Social Computing

Computing

- Quantum Computing
- High Performance Computing
- Distributed and parallel systems
- Cognitive Computing
- Cloud Computing
- Grid Computing
- Embedded Computing
- Scalable Computing
- Human-centred Computing
- Mobile computing

Artificial Intelligence

- Deep Learning
- Neural Networks
- Fuzzy Logic
- Expert Systems
- Agents and Multi-agent Systems
- Natural Language Processing
- Data Mining
- Computational Optimization
- Robotics
- Sentiment Analysis

Machine Vision

- Human Computer Interaction
- Computer Vision
- Image Processing
- Brain-Machine Interface
- Geographic Information Systems
- Video Analysis
- Medical Diagnosis
- Segmentation Techniques
- Augmented Reality
- Virtual Reality

Security

- Privacy
- Surveillance
- Biometrics
- Internet Security
- Intrusion Detection
- Web Services and Performance
- Secure Transactions
- Cryptography
- Secure Protocols
- Cyber Security

Communication

- Connected Machines
- Networking
- Wireless/ Mobile Communication
- Signal Processing
- Satellite Communication Systems
- 4G/5G Network Evolutions
- Mobile Adhoc Networks
- Open Spectrum Solutions
- Communication Protocols
- Cognitive Radio

Ambient Intelligence

- Smart Cities
- Smart Grids and Energy Networks
- Sensing and Sensor Networks
- Ambient Assisted Living
- Smart Healthcare
- Intelligent Transportation
- Data Science
- Affective computing
- Agents and Multi-agent Systems
- Context-aware pervasive systems

e-Learning

- e-Learning Tools
- Mobile Learning
- e-Learning Organisational Issues
- Gamification
- Collaborative Learning
- Curriculum Content Design
- Educational Systems Design
- Virtual Learning Environments
- Web-based Learning
- Delivery Systems and Environments

Patron



Dr. Umesh Gautam Chancellor

Guest of Honor

Chief Guests



Prof. Manoj Mishra IIT, Roorkee



Prof. YDS Arya Invertis University, Bareilly



Dr. Gaurav Tripathi

Senior Scientist, Bharat Electronics Limited

Prof. Narendra Rustagi Director, Centre for Global Business Studies Howard University, USA



Mr. Parth Gautam **Executive Director**

Keynote Speakers



Dr. Sarsij Tripathi Associate Professor, MNNIT Allahabad



Adobe, Delhi



Dr. C. Matt Graham University of Maine



Mr. Santosh Kumar Invertis University,





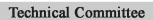
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Prof. R.K. Shukla Invertis University, Bareilly



Dr. Jitendra Nath Shrivastava Invertis University, Bareilly





Dr. Archana Saxena Invertis University, Bareilly

Dr. Krishna Kumar

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Dr. Danish Ather Amity University, Tashkent, Uzbekistan



Prof. Zubair Khan Saudi Arabia University, Saudi Arabia



Prof. Ravi Shankar Shukla Saudi Electric University, Saudi Arabia



Dr. Ajay Indian Central University, Rajasthan

Director Conference



Dr. Arvind Kumar Shukla Invertis University









CALL FOR ABSTRACT

Participants are requested to submit an article, research paper on any of the Subthemes. Above identified issues/sub-themes are only illustrative. Participants may select related topics covered under the main theme.

- Paper should be in standard IEEE format including the name of the author (s) with e-mail id and institution name written at the top.
- Best five research papers will be published in the Invertis Journal of Science and Technology (IJST). For further information you may visit our University website.
- The research paper must be submitted through the following link only: <u>https://forms.gle/2Y9mYXny3RNSyyng7</u>

Important Dates

Abstraction Submission Last Date : 02^{nd} April,2024Abstraction Acceptance Notification : 06^{th} April, 2024Full Length Paper : 08^{th} April, 2024Registration :Till 10^{th} April, 2024

Registration Fee

Category	Registration Fee (INR)
Industry Participants	1500
Academician	1000
Research Scholars	500
Students	300

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