



DEPARTMENT OF COMPUTER SCIENCE
ORGANISES
INTERNATIONAL CONFERENCE ON

ADVANCES IN EMERGING COMPUTING TECHNOLOGIES 2023 (ICAECT 2023)

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 www.icaect.in
(Conference website)

23-24 August, 2023

 Dr. Regitha M R (+91 9846150145)
(General Chair)

Mr. Vishnu Mohan C (+91 8075122919)
(Programme Chair)



Sacred Heart College (Autonomous),
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ABOUT THE CONFERENCE



Department of Computer Science, Sacred Heart College (Autonomous), Thevara, Kochi, Kerala, India organizes a two-day **International Conference on Advances in Emerging Computing Technologies 2023 (ICAECT 2023)** on August 23-24, 2023.

The main objective of **ICAECT 2023** is to provide an opportunity for leading academicians, engineers, researchers, industry professionals and students from around the world to network and have scientific discussions on the latest developments in emerging computing technologies. Presenters can exchange their ideas face to face and foster communication among them in a wide variety of scientific areas with a common interest in emerging computing technologies. The featured keynotes, panel discussions, and presentations on the latest research in the emerging technologies will expose new ideas and technologies. The conference will provide knowledge sharing to and by the researchers, practitioners, and industry experts from different countries and triumph in cross-cultural exchange.

CHIEF GUEST

Dr. Isa Inuwa-Duste

Lecturer, Department of Computer Science
School of Computing and Engineering
University of Huddersfield, UK

Topic : Explainable AI



KEYNOTE LECTURES BY



- **Dr. Deepak Padmanabhan** (Associate Professor, School of Electronics, Electrical Engineering and Computer Science, Queen's University, Belfast, UK) on **Fairness in AI and ML**

Dr. Deepak Padmanabhan

- **Dr. Varun G Menon** (Professor & Head of Dept. of Computer Science & Engineering, SCMS School of Engineering and Technology, Karukutty) on **Security and Privacy in Internet of Medical Things**



Dr. Varun G Menon



- **Dr. Vince Paul A** (Professor, Dept. of Computer Science Engineering, Christ College of Engineering, Irinjalakuda) on **Image Identification by Deep Learning**

Dr. Vince Paul A

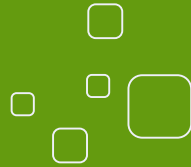
- **Dr. Nilotpal Chakraborty** (Asst. Professor, IIITK, Kottayam) on **Towards an Energy Independent Society Using Blockchain and IoE**



Dr. Nilotpal Chakraborty

CALL FOR PAPERS

To submit your research paper, follow the guidelines mentioned in the website www.icaect.in



RESEARCH TOPICS:

TRACK 1

INTELLIGENT SYSTEMS:

- Data Mining
- Artificial Intelligence
- Neural Networks
- Machine Learning
- Deep Learning
- Soft Computing
- Optimization Techniques
- Natural Language Processing (NLP)
- Neural Language Modelling
- Knowledge Engineering
- Business Intelligence and Analytics
- Human-Computer Interaction
- Crowd Sourcing & Social Intelligence
- Digital Image Processing
- Agent Computing
- Semantic Networks and Knowledge Graphs

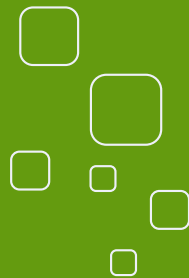
COMPUTING TECHNOLOGIES:

- Computer Graphics, and Animation
- Software and Database System
- Multimedia Engineering
- Internet-of-things
- Blockchain technology
- Computer Architecture and Systems Design
- Embedded Systems and Firmware Development
- Signal Processing and applications
- Robotics and Mechatronics
- Networking and Infrastructure
- Human-Computer Interaction
- Quantum Computing
- Microprocessors and Microcontrollers
- Energy Efficient Computing
- Nanotechnology and Nanocomputing

TRACK 2



www.icaect.in



RESEARCH TOPICS:

TRACK 3

APPLIED COMPUTING:

- Virtual Reality and Augmented Reality
- Robotics
- Smart Cities
- Voice Assistant Applications
- Software Engineering
- Information Management and Retrieval
- Network Operations
- Applied Artificial Intelligence
- Cyber Security
- Cluster Computing
- Cloud Computing
- Grid Computing
- Edge Computing
- Explainable AI
- Big Data Analytics
- Graph Theory

INTERDISCIPLINARY APPLICATIONS:

- Computational Genomics
- Computational Proteomics
- Bioinformatics
- Molecular Computing
- Cyber-physical systems
- E-commerce and E-governance
- Educational Technologies
- Computational Biology
- Computational Chemistry and Physics
- Computational Geometry
- Culture and Heritage Computing
- Entertainment Computing
- Computational musicology
- Computational Dance
- Energy Informatics

TRACK 4

REGISTRATION

Registration can be done online through the website www.icaect.in

REGISTRATION FEE

Submission	National Participants		Overseas Participants (online)	
	Student/ Research Scholar	Faculty/ Industry Person	Student/ Research Scholar	Faculty/ Industry Person
Aug 10, 2023	INR 1500 (For first author) INR 500 (For each additional author)	INR 2500 (For first author) INR 1000 (For each additional author)	USD 100	USD 130
Aug 15, 2023 (Late submission)	INR 2500 (For first author) INR 1000 (For each additional author)	INR 3500 (For first author) INR 1500 (For each additional author)	USD 120	USD 150

* For more details, visit the conference website www.icaect.in

BANK DETAILS FOR PAYMENT

Kindly note that the registration fee can be remitted by using the bank details given in the website.

IMPORTANT DATES

Registration starts	May 21, 2023
Deadline of full paper submission	July 15, 2023
Full paper acceptance notification	Aug 5, 2023
Deadline of camera-ready paper submission	Aug 10, 2023

PUBLICATION DETAILS

- All selected papers will be published as an **e-book** in an edited volume with **ISBN 978-81-957917-5-0** and the same will be available in <https://books.google.co.in>
- **Best 10 papers** will be submitted for inclusion in **Seybold Report Journal (Scopus-indexed)** with **ISSN 1533-9211**, upon confirmation from the participant. Upon the acceptance by the journal, 70% of the article processing charge (APC) should only be paid by the authors of the best papers.

ACCOMMODATION & TRAVEL

Special discounted rates for accommodation at hotels near Sacred Heart College, Thevara have been arranged. Transport from place of stay to the conference venue will be arranged for all residential participants.

For more details, please contact

☎ Rev. Fr. Nijo Antony CMI (+91 8891398814)

☎ Mr. Santhosh Kumar K P (+91 8086925052)



SACRED HEART COLLEGE, THEVARA

Sacred Heart College, Thevara, is a premier institution of higher education located in Kochi, Kerala, India, which was established in 1944 by the Carmelites of Mary Immaculate (CMI), Thevara. It aims at the fashioning of an enlightened society founded on a relentless pursuit of excellence and inclusive and holistic development of the students. The college was one among the pioneers to seek assessment and accreditation by NAAC and was accredited with Five-Star status in 2000. In the subsequent accreditations the College was accorded A+, A and A+ Grade in 2007, 2013 and 2022 respectively.

DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science started functioning in 2001. It offers two under-graduate programmes - BSc Computer Applications (Triple Main: Computer Science, Mathematics & Statistics) and BCA (Mobile Applications & Cloud Technology) started in 2001 & 2016 respectively and an Integrated MSc Computer Science (Data Science) started in 2021.

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STUDENT CO-ORDINATORS:

Ms. Reva P (+91 7012858778)
Mr. Adithya Dinesh (+91 8138972643)
Mr. Bevin Benet (+91 9074332091)



LOCATION
Sacred Heart College
(Autonomous),
Pandit Karuppan Rd.,
Thevara, Kochi-682013,
Kerala, India
www.shcollege.ac.in