



# REVA University, Bangalore, India

&

# UNIVERSITI TUNKU ABDUL RAHMAN, Malaysia Organizes

1<sup>st</sup> International Conference

on

"Recent Interdisciplinary Trends in Engineering and Science for Industry 4.0"

# RITESI 4.0

Date: 26th, 27th and 28th March 2025

www.reva.edu.in

Venue:

26<sup>th</sup> March 2025 - REVA University, Bangalore, India 27<sup>th</sup> & 28<sup>th</sup> March 2025 – UTAR, Kuala Lumpur, Malaysia

#### **About the Conference:**

RITESI 4.0 is a prestigious platform designed to bring together a diverse group of academicians, researchers, industry professionals, and students to discuss and explore recent interdisciplinary trends in engineering and science, particularly in the context of Industry 4.0. This international conference aims to foster collaboration and innovation across different disciplines, contributing to the advancement of knowledge and technology in this rapidly evolving industrial landscape. All the selected papers will be published in Scopus indexed journals.

## **Call for Papers**

# Topics of Interest Include but are not Limited to

- 1. Advanced Manufacturing Technologies
- 2. Artificial Intelligence and Machine Learning
- 3. Internet of Things (IoT) and Industrial IoT
- 4. Big Data and Analytics
- 5. Sustainable and Green Technologies
- 6. Cybersecurity in Industry 4.0
- 7. Smart Materials and Nanotechnology
- 8. Human-Machine Interaction
- 9. Cloud Computing and Edge Computing
- 10. Digital Transformation and Smart Infrastructure
- 11. Engineering Education for Industry 4.0
- 12. Interdisciplinary Research Approaches
- 13. Integrative Technologies for Industry 4.0
- 14. Socio-Economic Impacts of Industry 4.0

#### **Important Dates**

Last date for submission of Abstract
 Intimation of abstract acceptance
 26/12/2024
 01/01/2025

• Last date for submission of Full-Length paper : 05/01/2025

Acceptance of full-length paper
 Submission of Camera-Ready paper
 Registration
 10/01/2025
 10/01/2025

## Registration

#### Registration Details

Professionals/Academicians : Rs.1500 (USD18\$)
 Research Scholars : Rs.1000(USD12\$)
 PG Students : Rs.1000(USD12\$)
 Industry Participants : Rs. 2000(USD24\$)

Website, Registration & Payment link:

https://www1.reva.edu.in/RITESI

### https://www.reva.edu.in/payment

### About the REVA University, Bengaluru, India

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2012 in Bengaluru, the IT capital of India. REVA University, recognised by the University Grants Commission (UGC) and approved by the All India Council for Technical Education (AICTE), has an A+ grade from NAAC.

REVA University prides itself in contributing to every student's holistic development. The University currently offers 37 full- time undergraduate programmes, 28 full-time postgraduate programmes, 19 Ph.D. programmes, and certification and diploma programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines. The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.

## About the Universiti Tunku Abdul Rahman (UTAR), Malysia

Universiti Tunku Abdul Rahman (UTAR) was officially launched on 13 August 2002 as a not-for-profit private university providing affordable quality education. It is established under the UTAR Education Foundation and registered under the Malaysian Private Higher Educational Institutions Act 1996.

Guided by its vision to be a global university of educational excellence, UTAR is highly reputed as one of the fastest growing private higher education institutions in the country with phenomenal growth in all aspects of its development since its inception. With the first intake of only 411 students in its Petaling Jaya campus in 2002, the University's enrolment has now reached about 20,000 students with campuses located in Kampar, Perak and Bandar Sungai Long, Selangor.

UTAR has graduated over 86,900 students since its inaugural convocation in 2005 and has made impressive strides in establishing a strong reputation as a comprehensive University with dedication to achieving excellence in teaching and research. The University currently offers over 140 academic programmes from Foundation Studies to Bachelor's, Postgraduate Diploma, Master's, and PhD degrees in the fields of Accounting, Business and Economics, Actuarial Science, Mathematics and Process Management, Agriculture and Food Science, Arts, Social Sciences and Education, Creative Industries and Design, Engineering and Built Environment, Information and Communication Technology, Life and Physical Sciences, Chinese Studies, and Medicine and Health Sciences.

#### **Chief Patrons**

Dr. P. Shyama Raju
Chancellor, REVA University
Dr. Umesh S. Raju
Pro Chancellor, REVA University

#### **Patrons**

**Dr. Sanjay R. Chitnis**Vice Chancellor, REVA University

**Dr. K. S. Narayanaswamy** Registrar, REVA University

### Ir. Prof. Dato' Dr. Ewe Hong Tat

The President/CEO of Universiti Tunku Abdul Rahman: (Senior Professor Lee Kong Chian Faculty of Engineering and Science)

## **General Chair**

**Dr. Rajashekhar C. Biradar**Pro Vice Chancellor, REVA University

#### **Co- General Chairs**

**Dr. K. M. Sudharshan**Director & Professor, HOD of ECE, REVA University

Dr. Raghu C N

Dean, Engineering & Technology, REVA University

# **Organizing Secretary**

#### Dr. Shashikumar R

Professor, School of Electronics & Communications Engineering, REVA University

**Dr Chong Kok Keong,** Professor, UTAR, Malaysia

#### **Chief Convenors**

#### Dr. Pasupuleti Visweswara Rao

Director, International Relations and Research Collaborations, REVA University

#### Dr Lai Soon Onn

Director Office of International Affairs, UTAR Malaysia

#### Convenors

## Dr. Manjunatha LH

Professor, School of Mechanical Engineering, REVA University

## Dr. Arun Biradar,

Professor, School of Computer Science and Engineering, REVA University

## Dr. Steven Lim,

Associate Professor, UNIVERSITI TUNKU ABDUL RAHMAN, Malaysia

## **Dr Pang Yean Ling**

Associate Professor, UNIVERSITI TUNKU ABDUL RAHMAN, Malaysia

# **Co Convenors**

## Dr. Jegadeeswaran N

Professor, School of Mechanical Engineering, REVA University

## Dr. Devanathan M

Associate Professor, School of E & C Engineering, REVA University

#### Coordinators

Du Caalainlaunaan Datil	
Dr. Sachinkumar Patil	

Associate Professor, School of Mechanical Engineering, REVA University	Associate Professor, School of ECE, REVA University			
Dr. Nikhil Rangaswamy Assistant Professor, School of Mechanical Engineering, REVA University	paswamy Dr.Raveendra G  hool of Mechanical Associate Professor, School of ECE, REVA			
Session Coordinators				
Dr. Raju B S,	Dr. Mahesh Chandra,			
Professor, School of Mechanical Engineering,	School of ECE, REVA University			
REVA University				
Dr. Thippeswamy B M,				
Professor, School of Computer Science and Engineering, REVA University				
Branding Team				
Prof. Madhu B P	Dr. Nataraj Urs			
Assistant Professor, School of Mechanical	Associate Professor, School of ECE, REVA			
Engineering, REVA University	University			

# **Technical Advisory Committee:**

- Dr. Prakash, Trade Commissioner for Education & Health Indo ASEAN Countries,
   Government of India, New Delhi.
- Dr. T Ram Prabhu, Joint Director/ Scientist, Defence R & D Organization, Bangalore.
- Dr. B H M Darukesha, Scientist-SG, Associate Director, ISRO, Bangalore.
- Prof. B J Rao, J C Bose Fellow, Vice Chancellor, University of Hyderabad.
- Dr. Subhash J. Bhore, Professor and Head, Centre for Scientific Research and Development, People's University, Bhopal, Madhya Pradesh, India.
- Dr S A Kori, Vice Chancellor, Central University, Ananthpur, Andra Pradesh, India.
- Dr.H.B.Raghavendra, Vice Chancellor, CMR University, Bangalore.
- Dr Subbaraya C K, Registrar, Adichunchanagiri University, Karnataka.
- Dr. A. N. Santosh Kumar, Vice Chancellor, JSS Science and Technology University Mysuru, Karnataka.
- Dr Chittappa H.C, Chairman, UVCE, Bangalore
- Dr. Pratapsinh Kakasaheb Desai. President, ISTE, Newdelhi.
- Dr. Rajappa Velur, EC Member, ISTE, New Delhi.
- Dr. Chikkanna, Professor, VTU, Past Chairman IEI KSC Bengaluru.
- Dr C. V. Ravishankar, Chairman, IETE, Bangalore.
- Antony Peter, CSI chairman CSI-BC, Bangalore.
- Dr Anasuya N Jadagerimath, Hon. Secretary CSI-BC, Bangalore.
- Mr. Balakrishna B S Director and CMO, Fujitsu India, Bangalore.
- Mr. Shashikumar R, Global Electronics Application Specialist, Altair.
- Mr. Raghu Chavan, CEO, Cryptovibes Technology Pvt. Ltd., Bangalore.
- Dr K Channakeshavalu, Academic Senate, VTU and Principal, EWIT, Bangalore.

- Dr. Nagaswarupa H.P. Chairman, DOS in Chemistry, Davanagere University.
- Dr. Mahesh T R, Programme Head, Department of CSE, Jain University, Bangalore.
- Dr. Keshavamurthy R, HOD, Department of ME, DSCE, Bangalore.
- Dr. Nethravathi N, Associate Professor, BMSIT, Bangalore.

Technical Advisory Board – REVA University, Bangalore	Technical Advisory Board – UTAR, Malysia
Dr. Shubha A, Pro Vice Chancellor (Academics, Governance,	Ir. Dr. Rajkumar Durairaj, Dean for Academic Quality Assurance
Training & Placement), REVA Business School, REVA	and Audit, UTAR, Malaysia.
University.	Dr Sumathi a/p Sethupathi, Deputy Director Institute of
• Dr. B.P Divakar, Dean, Research and Innovation council, REVA	Postgraduate Studies and Research, Kampar Campus, UTAR,
University.	Malaysia.
• Dr. Ashwin Kumar U, Director, School of CSE, REVA	Dr Lee Kim Yee, Deputy Dean Lee Kong Chian Faculty of
University.	Engineering and Science, UTAR, Malaysia.
• Dr. Mahesh L, Director, School of Mechanical Engineering,	• Ir Dr Tee Yee Kai, Head of Programme (PhD (Eng)), UTAR,
REVA University.	Malaysia.
Dr. Bhavana B, Director, School of Civil Engineering, REVA	Dr Ng Law Yong, Head of Department for Department of Chemic
University.	Engineering, Associate Professor Dr Steven Lim, Chairperson
Prof. Shilpa B.R, Director, School of Applied Sciences, REVA	Centre for Advanced and Sustainable Materials Research, UTAR,
University.	Malaysia.
Dr. Lokesh C K, Director, School of Computer Science and	• Ts Dr Shuit Siew Hoong, Head of Programme (MEngSc), UTAR,
Applications, REVA University.	Malaysia.
• Dr. Bharathi S. H., Head of Department, Robotics & AI, School	Dr Chang Yoong Choon, Head of Department, Department of
of Electronics and Communication Engineering, REVA	Electrical and Electronic Engineering, UTAR Malaysia
University.	Dr Gulnaziya Issabayeva, Associate Professor, UTAR, Malaysia.
Dr. Raghuteja Vemana, Head of Department, School of	Ts Dr Low Foo Wah, UTAR, Malaysia.
	• Gs. Ts. ChM. Dr. Amelia Chiang Kar Mun, UTAR, Malaysia.

# **Publishing Partners:**

- Journal of Computational Analysis and Applications (Computer Science, Mathematical Sciences) - Scopus
- Journal of Electrical Systems (Electrical Systems, Communication Systems, Information Science.) – Scopus
- 3. Journal of Environmental Nanotechnology (Mechanical Sciences, Interdisciplinary) Scopus
- 4. Nanotechnology Perceptions (Nanotechnology) Scopus
- 5. African Journal of Biomedical Research (Biomedical Sciences) Scopus
- 6. Revista Electronica de Veterinaria (Medical and Health Sector) Scopus
- 7. Library Progress International (Library and Information Science) Scopus

## For more information contact:

Dr. Shashikumar R	Dr. Manjunath LH	Dr. Arun Biradar
7483049219	9844318146	9945410132
shashikumar.r@reva.edu.in	manjunath.lh@reva.edu.in	arun.biradar@reva.edu.in