

1st International Conference on Mechatronics and Artificial Intelligence (ICMAI – 2021)



Organized By
**Association of Engineers & Technocrats
Faculty of Engineering and Technology**

**Shree Guru Gobind Singh Tricentenary (SGT) University
Budhera, Gurugram-Badli Road
Gurugram-122505, Haryana, India**

26th – 27th February, 2021

Venue: E Block, SGT University, Gurugram, India

Technical Partners
Journal of Physics: Conference series

IOPscience

Association of Engineers and Technocrats, Faculty of Engineering and Technology, SGT University under the aegis of Shree Guru Gobind Singh Tricentenary (SGT) University, Gurgaon, India, is organizing 1st International Conference on Mechatronics and Artificial Intelligence (ICMAI-2021) during 26th-27th February, 2021. Globalization provides all around development and this development is impossible without technological contributions. Hence, the ICMAI-2021 will provide platform to deliberate the current challenges and blooms in Mechatronics and Artificial Intelligence for various industrial applications like aerospace, automobile, marine, and biomedical also including Additive Manufacturing, 3D & 4D printing, bio-manufacturing and smart manufacturing systems but not limited to these. The ICMAI-2021 conference aims at providing a leading forum for sharing original research contributions and practical developments in the field of Mechatronics, Artificial Intelligence, Robotics and Automation, Production Engineering and Technology so as to contribute its share for technological advancements.

OBJECTIVES OF THE CONFERENCE

- The main objective of the conference is to provide a unique platform to facilitate the scientists, researchers, academicians, industrialists and students to share the recent advancements and the challenges in technological development of Mechatronics and Artificial Intelligence.
- To exchange Innovative Ideas among the researchers in the area of Mechatronics, Artificial Intelligence, Robotics and Automation, Production Engineering and Technology from all around the world.
- To provide an opportunity to national and international experts and industry leaders to share their experiences and success stories.

CONFERENCE TOPICS

Mechatronics

Advanced Motion Control, Sensors / Actuators, Micro and Nano Mechatronics, Robotics and Bio mechatronics, Intelligent Control and AI in Mechatronics, Process Control & Instrumentation, Sensor Networks, Networked Control, Factory Modeling and Automation, Ambient Assisted Living, Personalized and Automated Transportation, Electric Vehicles, Intelligent Manufacturing, Energy Systems, Cyber-Physical Systems, Medical Systems and Bioengineering, Adaptive Control, Intelligent and AI Based Control, Real-time Systems, Automated Guided Vehicles, Process Automation, Human -machine Interactions (HMI), Agents and Multi-agent Systems

Artificial Intelligence

AI and Creativity, Deep Learning, Automatic Control, Bioinformatics, Evolutionary Computing, Fuzzy Systems, Hybrid Intelligent Systems, Industrial Applications of AI, Artificial Intelligence Tools, Intelligence and Cyber-security, Intelligent User Interfaces, Knowledge Representation and Reasoning, Knowledge-Based System, Ambient Intelligence, Machine Learning, Model-Based Reasoning, Natural Language Processing, Neural Networks, Ontologies, Planning and Scheduling, Social Network Analysis, Soft Computing,, State Space Search,, Bayesian Networks, Uncertainty in AI, Vision and Perception, Visualization, Big Data, Case-Based Reasoning, Cognitive Systems, Constraint Satisfaction, Data Mining, Data Science

Robotics and Automation

Automated Mining, Actuation, Environmental Interaction and Navigation, Humanoid Robots, Marine Robots, Medical Robots, Micro Robot, Nanorobotics, Robots in Defence, Robot and Society, Manipulation, Locomotion, Robot Applications, Dynamics and Kinematics

Production Engineering and Technology

3D/ 4D/ 5D Printing, Artificial Intelligence in Production, Automation in Production, CAD/ CAM/ CAPP/ CIM, Computer Numerical Control (CNC), Cyber Physical Production Systems, Cyber Security in Manufacturing, Digital Manufacturing, Smart Manufacturing, Green Manufacturing, Ergonomics in Production, Cellular Manufacturing, Agile Manufacturing, Flexible Manufacturing Systems, Integrated Manufacturing, Industry 4.0 and 5.0, Intelligent Manufacturing, Modern Manufacturing Processes, Incremental Sheet Forming, Advance Forming Techniques, Advance Joining Techniques, Advance Measurement and Metrology, Smart Materials, Composites, Super Alloys, Advanced Material Processing, Nano-technology, Nano-fluids, Nano-metrology, Nanomaterials, Nanofabrication, Rapid Prototyping, Surface Engineering, Cleaner Production, Design of Systems

CALL FOR PAPER

Authors are requested to proceed for full length paper submission online using the following weblink:
<https://easychair.org/conferences/?conf=icmai2021>.

Peer Review Process

Each submitted manuscript will receive a unique paper id. The manuscripts will be initially screened to check for the conference scope and originality. All the submitted manuscripts will be sent for technical peer review process and the corresponding author will be notified the outcome of the review process. If reviewers recommended for further improvements in the manuscript, the manuscript will be sent back to the corresponding author and the revised version of the manuscript shall be submitted within fifteen days on the date of notification. The final decision on the manuscript will be announced after the third round of evaluation by the technical program committee.

Abstracting and Indexing

All the accepted papers of ICMAI 2021 will be published in the IOP Science : Journal of Physics (JPCS), (ISSN: 1742-6596 (Online); 1742-6588 (Print)), a conference proceedings journal which is indexed in CPCI – Web of Science (Thomson Reuters), SCOPUS, Inspec, International Nuclear Information System (INIS), NASA – ADS, Chemical Abstracts, Polymer Library, etc.

IMPORTANT DATES

Deadline for full paper submission	20th October, 2020 10 th December, 2020
Notification of paper acceptance	10th November, 2020 15 th December, 2020
Camera-ready paper submission deadline	25th November, 2020 20 th December, 2020
Conference	26 th -27 th February, 2021
Early registration deadline	5th December, 2020 30 th December, 2020

CONTACT DETAILS

Organizing Secretary (ICMAI – 2021)
Association of Engineers Technocrats
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9990003424

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Website: <https://sgtuniversity.ac.in/icmai2020>



REGISTRATION GUIDELINES

Authors whose papers are accepted to publish in Conference Proceedings/Journal, need to provide following documents:

Camera ready paper softcopy (.doc & .pdf). [File Name: (Paper ID_camera.docx or.pdf)]

Completely filled in copyright form. [File Name: (Paper ID_copyright.pdf)]

Completely filled in registration form. [File Name: (Paper ID_registration.pdf)]

Scanned copy of DD / E- receipt of [Registration Fee](#) Transfer. [File Name: (Paper ID_Fee receipt.pdf)]

Note: All the above-mentioned items should be sent in a '.zip' file with Paper ID as the file name.

REGISTRATION FEES

	Early Registration	Late Registration		
	Indian (Rs.)	Foreigners (USD)	Indian (Rs.)	Foreigners (USD)
Research Scholar (M.Tech./ Ph.D./ SRF, JRF etc.)	6000	200	7000	250
Academicians from Institutions	7000	250	8000	300
Industrial Officials	8000	300	9000	350
Spectators (No paper presentation)	1000	100	1500	150

Registration Fees include: Conference kit, Tea/Coffee, Lunch, Publication of paper.

Note: Students must produce a valid id card issued by concerned institute to register in student's category.

PAYMENT DETAILS

International Delegates

All the international delegates are requested to make payment by WIRE Transfer (Outward Remittance) using SWIFT code. Please contact Organizing Team for details. While making Wire transfer, delegate should clearly mention his/her name and ICMAI-2021 in the "Narration" or "Reference Remarks" and use the same in conference registration form. Also, a scanned copy of Wire transfer report received from bank must be sent by e-mail at: icmai2021@gmail.com

National Delegates

Delegates from INDIA can make payment through payment gateway only. Accommodation could be arranged in guest house of SGTU or nearby hotels as per the availability, on the payment basis for which the organizers will provide necessary assistance if informed well in advance.

Note: Minimum one registration is mandatory for a paper to be the part of proceedings. If author/co-author wish to attend the conference and require separate proceeding and certificate along with the conference kit, in that case the author/coauthor need to pay full registration fees individually.

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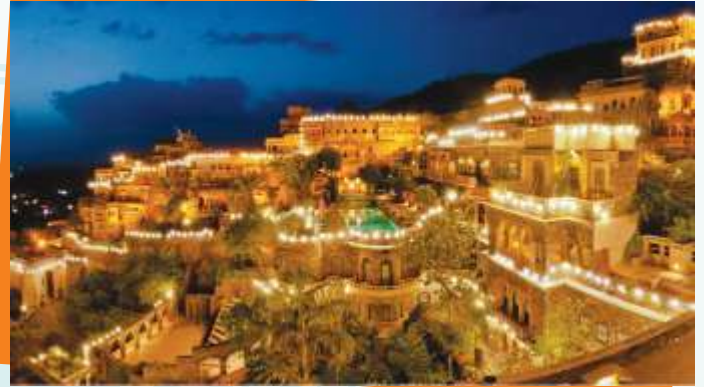
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Red Fort, Delhi



Qutub Minar, Delhi



Akshardham, Delhi