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NATIONAL CONFERENCE ON SPACE TECHNOLOGY

Innovation | Exploration | A Sustainable Tomorrow

10 – 11 February 2027

CALL FOR PAPERS

Share your research. Shape the future of Space Technology

ABOUT THE CONFERENCE

The National Conference on Space Technology aims to bring together academicians, researchers, industry experts and students on a common platform to discuss the latest developments, challenges and future opportunities in the field of Space Technology. The conference will provide an excellent opportunity for knowledge sharing, collaboration and innovation towards a sustainable space ecosystem.

THEMES FOR THE PAPER

Paper is to be written on any theme or sub – theme given below.

Theme 1: Space Business, Management, Strategy and Entrepreneurship

1. Space Business Models, Startups and Entrepreneurship
2. Strategic Management and Business Development in the Space Sector
3. Investment, Venture Capital and Financing of Space Ventures
4. Space Marketing, Commercialization and Global Market Opportunities
5. Project Management, Supply Chain and Risk Management in Space Industries

Theme 2: Space Law and Journalism

1. International Space Law and United Nations Space Treaties
2. Indian Space Policy, Regulation and Legal Frameworks
3. Liability, Insurance and Dispute Resolution in Space Activities
4. Space technology and Public Interest Journalism
5. Space technology, Digital Media and AI in science journalism and space reporting

Theme 3: Space Chips, Semiconductors and Advanced Electronics

1. Space-Grade Semiconductor Design and Fabrication
2. Radiation-Hardened Chips and Radiation-Tolerant Electronics
3. System-on-Chip (SoC), FPGA and Embedded Computing for Space
4. Advanced Packaging, Sensors and Microelectronics for Space Applications

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5. Indigenous Semiconductor Technologies and High-Reliability Testing

Theme 4: Software-Defined Satellites, Communication and Ground Infrastructure

1. Software-Defined Satellites and Reconfigurable Payloads
2. Satellite Communication Networks and Non-Terrestrial Networks
3. Satellite Ground Stations, Mission Control and Network Operations
4. Satellite Navigation, Positioning and Timing Systems
5. Cybersecurity, Spectrum Management and Secure Satellite Communications

Theme 5: GeoAI, Remote Sensing and Spatial Intelligence

1. Geospatial Artificial Intelligence (GeoAI) and Machine Learning
2. Satellite Image Processing, GIS and Spatial Data Analytics
3. Remote Sensing for Urban Planning and Infrastructure Development
4. Geospatial Intelligence for Disaster Management and Climate Monitoring
5. Digital Twins, Spatial Modelling and Location-Based Decision Support

Theme 6: AI, Autonomous Systems and Emerging Space Technologies

1. AI-Enabled Satellite Operations and Autonomous Mission Planning
2. Space Robotics, Planetary Rovers and Autonomous Navigation
3. Onboard AI, Edge Computing and Intelligent Data Processing
4. Digital Twins, Predictive Maintenance and Fault Detection
5. Quantum Technologies, Advanced Computing and Next-Generation Space Systems

Theme 7: Space Applications: Agriculture, Healthcare, Climate and Blue Economy

1. Satellite-Based Precision Agriculture and Food Security
2. Space Technology for Healthcare, Telemedicine and Pharmaceutical Research
3. Earth Observation for Climate Change and Environmental Sustainability
4. Satellite Applications in Oceanography, Fisheries and Coastal Management
5. Space-Based Disaster Monitoring, Early Warning and Emergency Response

Theme 8: Space Infrastructure, Economics, Commercialization and Sustainability

1. Space Infrastructure Development and Satellite Constellation Management
2. Space Economics, Cost Modelling and Investment Appraisal
3. Technology Transfer, Intellectual Property and Commercialization
4. Space Debris Mitigation, In-Orbit Servicing and Sustainable Space Operations
5. Public–Private Partnerships, Industry–Academia Collaboration and the New Space Economy

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SUBMISSION GUIDELINES

- Authors must submit both the abstract and the camera-ready paper through the official conference email ID natspaceconf@meri.edu.in with the email subject **"Paper Submission – National Conference on Space Technology"**.

- Abstract and full paper should be original and unpublished as per the provided template.

- The full paper length should not exceed 6 pages and be accompanied by a brief profile of the corresponding author.

- Each paper must have a maximum of four (4) authors, including the corresponding author. However, papers with more than four authors may be considered in exceptional cases, particularly for large-scale research projects, subject to prior approval by the Conference Organizing Committee.

- All submitted papers will undergo a review process to assess their originality, technical quality, relevance and contribution to the field.

- At least one author of each accepted paper must register for the conference by paying the applicable registration fee within the prescribed deadline.

- The presentation certificate will be issued only to the registered author who actually presents the paper at the conference.

- Selected papers will be considered for publication in the form of a book as conference proceedings. The proceedings will be made available to respective libraries of partner institutions globally.

Few Best quality papers will be published in the special edition of "MERI Journal of Management and IT" – ICSSR Funded Journal and Listed in Cabell's directory, USA.

For Any Assistance Please Contact: NATSPACECONF@MERI.EDU.IN

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