

2nd CALL FOR PAPERS

CONFERENCE TOPICS

01 Technology-Enhanced STEM Teaching and Learning

- Sensor-Based Learning Applications
- Internet of Things (IoT) in Education
- Artificial Intelligence (AI) in Education
- Online/E-Learning/Distance Learning Systems
- Computer-Based Learning and Courseware Technologies
- Educational Digital Games, Simulations and Animations
- AR/VR/XR and Virtual World
- Mobile Technology for Teaching and Learning
- MOOC and SPOC
- Smart Classroom and Teaching Environment
- Social Media and Learning Network
- Digital Innovation and Education
- Digital Learning Material

02 Pedagogical Models and Application of STEM Education

- Inquiry-Based, Problem-Based, Project-Based Learning
- Research-Led, Research-Oriented, & Research-Based Learning
- Brain-Based Learning & Educational Neuroscience
- Collaborative & Cooperative Learning
- Competency-Based Learning
- Work-Based and Work-Integrated Education

03 Skills and Re-Skills Development for STEM Literacy

- 21st Century Skills
- Ethical and Social Justice Issues (e.g., Access, Equity)
- Soft Skills (e.g., Communication, Teamwork, etc)
- Laboratory Experience (On-Campus and Remote)
- Lifelong Learning Education
- Research Training (Undergraduate and Graduate)
- Instructional Kits for 21st Century Skills Development

04 Curriculum Studies and Development Focused STEM Education

- Accreditation and Quality Assurance (QA)
- Assessment and Evaluation
- Curriculum Design and Development
- Outcome-Based Education
- Education Policy, Leadership and Administration
- Examination Techniques
- High school Initiatives and Partnerships
- STEM for Digital Natives
- STEM for TVET
- Interdisciplinary Curriculum Development
- Educational Kits

05 Industry linkage and Partnerships, Other Related Topics to STEM Education

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Theme: STEM Innovation Transforming Industries
for Sustainable Development

IMPORTANT DATES



Full Paper Submission Deadline:

Extended April 30, 2024



Acceptance Notification:

May 20, 2024



Camera - Ready Submission:

June 23, 2024



Early - Bird Registration:

June 28, 2024



Conference Dates:

July 31 - August 2, 2024



Conference website

www.istemed.com/2024/

Accepted full manuscripts will be submitted for inclusion in the IEEE Xplore database which provides indexing in SCOPUS

SPECIAL SESSION

Special Session on TVET in ASEAN Community [organized by UPI]

- Blue Curriculum in TVET
- Managing the Challenges and Opportunities of Digitization of TVET
- Skill Requirements in Digitization TVET and Beyond
- Greening TVET for Sustainable Development Goals
- Integrated Work-Based Education with Stakeholder Engagement
- Digital Transformation for National Economic Development

SUBMISSION GUIDELINES

- Prospective authors are invited to submit Full regular papers or Extended Abstract of their work.
- English is the working language of the Conference.
- All manuscripts must be prepared in the standard IEEE Conference Proceedings format and limited to the maximum of 6 pages (A4) for Full regular papers and 2 pages (A4) for Extended Abstract in PDF format.
- Author registration and more submission information is available to check at conference website www.istemed.com/2024/