

THE 5TH INTERNATIONAL
iSTEM-Ed
EDUCATION CONFERENCES **2020**

iSTEM-Ed 2020

CALL FOR PAPER

"INNOVATING STEM EDUCATION
TO PREPARE NEXT GENERATION WORKFORCES"

SUBMISSION DEADLINE FOR ABSTRACT / EXTENDED SUMMARY / FULL MANUSCRIPT: JULY 10, 2020

NOTIFICATION OF ACCEPTANCE: AUGUST 21, 2020 CAMERA READY SUBMISSION DEADLINE (FULL MANUSCRIPT ONLY): SEPTEMBER 4, 2020

EARLY BIRD REGISTRATION DEADLINE: SEPTEMBER 4, 2020

CONFERENCE DATES: NOVEMBER 4-6, 2020

TECHNOLOGY-ENHANCED STEM TEACHING AND LEARNING:

- SENSOR-BASED LEARNING APPLICATIONS
- INTERNET OF THINGS (IOT) IN EDUCATION
- ARTIFICIAL INTELLIGENCE (AI) IN EDUCATION
- DIGITAL LEARNING TECHNOLOGY/ ICT APPLICATIONS
- ONLINE/E-LEARNING/DISTANCE LEARNING SYSTEM
- COMPUTER-BASED LEARNING AND COURSEWARE TECHNOLOGIES
- EDUCATIONAL DIGITAL GAME, SIMULATION, AND ANIMATION
- AR, VR, AND VIRTUAL WORLD
- LEARNING MANAGEMENT SYSTEMS (LMS)
- MOBILE TECHNOLOGY FOR TEACHING AND LEARNING
- MOOC, SPOC
- SMART CLASSROOM AND LEARNING ENVIRONMENT
- SOCIAL MEDIA AND LEARNING NETWORK
- DIGITAL INNOVATIONS IN EDUCATION
- DIGITAL LEARNING MATERIALS
- INSTRUCTIONAL DESIGN INTEGRATED WITH ICT

PEDAGOGICAL MODES AND APPLICATIONS OF STEM EDUCATION:

- INQUIRY-BASED, PROBLEM-BASED, & PROJECT-BASED LEARNING
- RESEARCH-LED, RESEARCH-ORIENTED, & RESEARCH-BASED LEARNING
- DESIGN-BASED & CHALLENGE-BASED LEARNING
- BRAIN-BASED LEARNING & EDUCATIONAL NEUROSCIENCE
- COLLABORATIVE & COOPERATIVE LEARNING
- COMPETENCY-BASED LEARNING
- CREATIVE LEARNING
- WORK-BASED AND WORK-INTEGRATED EDUCATION

SKILLS & RE-SKILLS DEVELOPMENT FOR STEM LITERACY:

- 21ST CENTURY SKILLS
- ETHICAL AND SOCIAL JUSTICE ISSUES (E.G., ACCESS, EQUITY)
- SOFT SKILLS (E.G., COMMUNICATIONS, TEAMWORK)
- LABORATORY EXPERIENCES (ON-CAMPUS AND REMOTE)
- LIFELONG LEARNING/EDUCATION
- RESEARCH TRAINING (UNDERGRADUATE AND GRADUATE)
- INSTRUCTIONAL KITS FOR 21ST CENTURY SKILLS DEVELOPMENT

CURRICULUM STUDIES AND DEVELOPMENT FOCUSED STEM EDUCATION:

- ACCREDITATION AND QUALITY ASSURANCE (QA)
- ASSESSMENT AND EVALUATION
- CURRICULUM DESIGN AND DEVELOPMENT
- OUTCOME-BASED EDUCATION
- EDUCATIONAL POLICY, LEADERSHIP AND ADMINISTRATION
- ENTREPRENEURSHIP PROGRAMS
- EXAMINATION TECHNIQUES
- HIGH SCHOOL INITIATIVES AND PARTNERSHIPS
- STEM FOR DIGITAL NATIVES
- STEM FOR TVET
- INDUSTRY LINKAGES AND PARTNERSHIPS
- INTERDISCIPLINARY CURRICULUM DEVELOPMENT



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