



2022 4th International Conference on Sustainable Technologies for Industry 4.0 (STI)

Green University of Bangladesh, Permanent Campus, Purbachal American City, Rupgonj, Dhaka, Bangladesh

Date: 17-18 December 2022 ✉ sti@green.edu.bd 🌐 fse.green.edu.bd/sti-2022

WHY STI?

- First conference in southeast Asia on Sustainable Technologies for Industry 4.0
- Only conference in Bangladesh, which is technically sponsored by the central IEEE Computer Society
- All the papers of our previous editions are included in the IEEE xplore digital library within short period of times
- From the very first edition, all the accepted papers are included in the Scopus and other renowned databases
- With each subsequent edition, involvement of international participants is increasing, e.g., 2019: 20 countries, 2020: 22 countries, and 2021: 35 countries
- In our last edition (STI 2021), SEVEN (7) IEEE fellows have joined us as keynote speakers, and it is a common practice

CALL FOR PAPER

STI conference provides a platform for facilitating and promoting innovative research on Industry 4.0 (or Industrial Revolution 4.0) by encompassing research areas related to smart industries, smart grids, intelligent transportation, real-time healthcare, and others that are bolstered by automation and cyber-physical systems. In addition, detailed studies and research are required to design and develop sustainable solutions for Industry 4.0 since they depend on the complex relations among humans, systems and objects, which is also covered in this conference.

STI 2022 welcomes researchers, industry professionals, and practitioners to display their scientific achievements and sustainable solutions for industrial developments in the fields of computer science & engineering, electrical & electronic engineering, textile engineering, robotics and cyber-physical systems related to Industry 4.0. It will be hosted at the permanent campus of Green University of Bangladesh, Purbachal American City, Dhaka, Bangladesh during 17-18 December 2022.

We are seeking original high-quality innovative research for submissions. All submissions to STI 2022 will go through a double-blind peer reviewing process. Accepted and presented papers will be submitted to the IEEE Xplore digital library. Papers presenting original research are being sought within following tracks, but not limited to:

01 Intelligent Computing, Networking and Security Systems	02 Energy, Robotics, Electronics, Sensors and Communications	03 Textiles and Other Industry 4.0 Applications
<ul style="list-style-type: none"> • Augmented Reality, Virtual Reality, Bioinformatics • Computational Linguistic and Natural Language Processing • Computer Vision, Image Processing and Pattern Recognition • Artificial Intelligence in Autonomous Vehicles • AI and Machine Learning in Smart Grid Power System • Convergence of 5G, Cloud, Fog and Edge Computing • AI in Robotics and Automation • Digital Twins • Data Mining Techniques for Business Intelligence • Transfer Learning in Industry Applications • Computer Network and Information Security • Big Data Analytics and Blockchain Technologies 	<ul style="list-style-type: none"> • Smart Grid & Micro Grid, Renewable Energy & Sustainability • Nuclear Physics and Biochemical Engineering • Industrial Automation, Robotic Design and Applications • Advanced Microcontrollers and Embedded Systems Design • Green Electrical Components, Circuits, Devices and Systems • Control System and Power Electronics • VLSI Design and Graph Theory • Remote Sensing and Smart Sensor Design • Sustainable Nanotechnology and Materials Science • Signal Processing, Telecommunications and RF engineering 	<ul style="list-style-type: none"> • Smart Textiles and Clothes • Sustainable Machine Design • Automated Inspection and Maintenance • Green Manufacturing of Yarn & Fabric and Fashion Design • Advanced Spinning, Dyeing, Printing and Finishing • Smart Home/ City/ Industries/ Health/ Agriculture • Autonomous and Unmanned Aerial Vehicles • Smart Education (Education 4.0) • Industrial Policies Aligning SDG

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SPECIAL FEATURES

- Keynote and Invited Speeches
- Technical Paper Presentation
- Interactive Poster Session
- Industrial Talks
- Workshops and Tutorials
- Innovative Project Exhibition



IMPORTANT DATES

Full Paper Submission.....	15 SEP 2022
Submission of Special Session, Tutorial and/or	
Workshop Proposal.....	16 SEP 2022
Proposal for Student Conference.....	16 SEP 2022
Acceptance Notification.....	15 OCT 2022
Final Camera-Ready Paper Submission.....	30 OCT 2022
Conference Date.....	17-18 DEC 2022

SUBMISSION GUIDELINE

Prospective authors are invited to submit their manuscripts reporting original unpublished research and recent developments in the topics related to the conference. It is required that the manuscript follows the standard IEEE format (IEEE standard double column, 10-point font).

- Submitted paper should be in PDF format and should be maximum 8 pages
- Submissions must include title, abstract, keywords, body and references.
- Due to double-blind peer review requirements, paper must not contain author and affiliation information.
- The IEEE templates in Microsoft Word and LaTeX format can be found at: <https://fse.green.edu.bd/sti-2022/>
- Authors are advised to upload full papers through Easy Chair conference management system using this link: <https://easychair.org/conferences/?conf=sti20220>.

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