Accelerating Chip Design
in the Era of More-than-Moore

CALL FOR PAPERS

5th IEEE International
Women in Technology Conference
WINTECHCON 2024
November 12-13, 2024
Radisson Blu, Marathahalli Outer Ring Road, Bangalore

IEEE
BANGALORE SECTION

WIE | CAS

Organized by :
IEEE Bangalore Section, IEEE CAS Bangalore Chapter,
WIE AG Bangalore Section

Theme: Accelerating Chip Design in the Era of More-than-Moore

Objective: Provide opportunities for women leaders in technology to present their work in emerging technical fields

Focus Area:

WinTechCon, India's only technical conference by and for women in engineering, is committed to providing a platform for showcasing high quality technical contributions made by women technology leaders in industry and in academia. The conference will focus on electronic system design and associated areas. WinTechCon agenda encompasses innovations in both software and hardware components of system design which are fueling thought leadership, cutting-edge research, and new products.

In the last decade, modern generation electronic system design has made tremendous strides in novel architecture, design, implementation, testing, reliability, and safety in software, and hardware. Advances in Machine Learning algorithms, process technology, and upcoming quantum computing are making higher order computation cheaper and more energy efficient, with ever shrinking die size.

WinTechCon 2024 invites papers, demos, and tutorials in the following areas and their adjacencies:

- Artificial Intelligence, Machine Learning
- Compute at Scale
- Communication
- VLSI
- Electronic Design Automation
- IoT
- Automotive
- Security and Privacy

- Compute for Social Good
- Green Computing
- Quantum Computing
- Blockchain
- Augmented Reality (AR) / Virtual Reality (VR)
- Consumer Electronics
- Robotics

Technical Papers

In addition to papers with innovative and distinguished improvements in the current state-of-the-art in any of the aforementioned areas, papers describing tactical innovation and improvement on product engineering such as inventions, distinguished improvements in state-of-the-art engineering processes, as well as cross-pollination of ideas, surveys, strategies, flows, methodologies, process improvements and/or knowledge that are applied in product development in any of the aforementioned areas are welcome.

Format of submission:

- Each paper must be within a limit of six A4 sheets in a double-column format and 10-point font, which is IEEE conference format, including figures and tables.
- Include the PDF of the full paper.
- Papers may have no more than six authors, and two presenters, with at least one, woman author and presenter.
- IEEE Conference Format Template is available from:
  https://www.ieee.org/conferences/publishing/templates.html

Tutorials

- It is expected that the authors are well-known in the tutorial subject and/or have several years of work experience in the area.

- Include the title, abstract (300 words), and biography of the presenters in a PDF and the PowerPoint slides.

- Tutorials may have no more than two presenters with at least one, woman presenter.

- The tutorial duration is 1 hour.

- The importance of the proposed topic, details of content to be covered, and expected audience takeaway should be covered.

- The proposal must bring out the motivation and the organization of the tutorial.

Project Demo

- Include the title, abstract (300 words) and the biography of the presenters.

- Background and objective of the project, the problem description which the project attempts to solve, steps/details of the methodology, format/results of the demonstration, and audience takeaway should be covered.

- Include the PDF of the project demo.

- Demos may have no more than two presenters, with at least one, woman presenter.

Points to Remember

- The primary author/presenter of the paper must be a FEMALE. Co-authors/co-presenters can be a MALE or FEMALE.

- Professionals from the technology industry (semiconductor/hardware/software) and academia may submit.

- All the co-authors must be shown in the initial submission. No further authors can be added for selected papers.

- Technical paper submissions can be accepted either for paper presentation or poster presentation, based on discretion of the TPC. The final PPT should be formatted accordingly, based on acceptance notification.

- If a manuscript is accepted for paper presentation, the authors will be expected to also submit a final version of the manuscript that will be added to IEEE proceedings.

IMPORTANT DATES

- Deadline for submission of Papers/Tutorials/Demos – **June 03, 2024**
- Communication of acceptance to authors – **September 16, 2024**
- Conference – **November 13, 2024**

SUBMISSION LINK

bit.ly/IEEEWINTECHCON2024