

CALL FOR CONTRIBUTIONS

INTERNATIONAL CONGRESS



ELECTRONICS GOES GREEN 2024+

FROM SILICON TO SUSTAINABILITY

JUNE 18–20, 2024 | BERLIN, GERMANY

GOING GREEN – A COOPERATION OF THE WORLD'S LEADING CONFERENCES:



CARE Innovation
Austria



EcoDesign
Japan



ISSST
USA



Electronics Goes Green
Germany

Organized by: Fraunhofer Institute for
Reliability and Microintegration IZM, Berlin
In cooperation with: Technische Universität Berlin

WELCOME

Welcome to Electronics Goes Green 2024+, a significant gathering of researchers, policy makers and industry players dedicated to driving sustainability in the electronics and ICT sector. As technology rapidly evolves, it's vital that we prioritize environmental considerations and promote eco-friendly practices across the industry's value chain.

Drawing inspiration from our previous successful conferences, which have highlighted the evolution of scientific topics and practical innovations in line with technological progress, we continue our mission to make best use of electronics to achieve global sustainability goals.

While we are aware that the path ahead becomes more demanding, it's essential to recognize that challenges often serve as catalysts for positive change. They ignite the collective creativity. We invite you to join this multi-stakeholder conference, where we'll explore the latest developments in research, innovation, policy and industry initiatives. Let us foster collaboration and inspire environmentally conscious innovation.

As electronics seamlessly integrate into every aspect of our lives, we're entrusted with responsibly navigating the ecological, economic, and social impact of this technological diversity.

Join us in shaping a more sustainable future. Explore the numerous dimensions of green electronics and contribute your insights, breakthroughs, and ideas at Electronics Goes Green 2024+. Together, we're steering electronics towards sustainability, from silicon to practical application. Your contribution shapes the landscape of tomorrow's electronics industry and ultimately our society as a whole.

**Together, we empower the future of electronics –
from silicon to sustainability.
Save the date for Electronics Goes Green 2024+**

Martin Schneider-Ramelow
Electronics Goes Green 2024+
Chairman



<https://electronicsgoesgreen.org>

■ CONFERENCE SCOPE

- » World's leading conference on electronics & the environment
- » Meeting point for business developers, technology experts, researchers and policy designers
- » Innovative solutions for your specific green visions

■ CONFERENCE TOPICS I

Environmental Effects of Mature, as well as Emerging Technologies and Materials

- » Green ICT and Green by ICT
- » Environmental Assessment from Lab-to-Fab
- » Automated Sustainability Assessments in the Development Process
- » Products and Applications: ICT, Consumer Electronics and Network Equipment
- » Ubiquitous Electronics
- » Technologies for Plastic Recycling for the Electronics Industry
- » Innovative Materials, Components and Processes in the Electronics Industry

Life Cycle Assessment (data) of specific Electronic Components

- » Critical View on Existing LCA Data: Identification of Data Gaps
- » Existing and Evolving ICs (CMOS) - Data Sets According to Technology Nodes
- » Components Based on GaN, SiC and GaAs
- » Existing and Evolving Memory Technologies (DRAM, NAND)
- » Existing and Evolving Display Technologies (LED, OLED, etc.)

LCA Data Management along the Supply Chain

- » Primary Data from Cradle to Gate - Data Handling Along the Supply Chains
- » Circular Data - Information for the Circular Economy
- » Digitalisation of the Electronics Supply Chain: Decreasing Risks, Increasing Transparency
- » Digitalisation and Machine Learning for Environmental Assessment Data: Methods, Demands and Challenges
- » Technologies for Data Exchange: Passports, Twins & Co.
- » Scope 3: Target Setting and Emissions Reduction

■ CONFERENCE TOPICS II

Fair, Clean and Conflict-free Electronics

- » Definitions and Requirements of Fair Electronics
- » Social Conditions in the Electronics Industry
- » Sustainable Business Models for Electronic Products and ICT Services
- » Green Claims: Best Practices
- » Roadmaps and Policies (RoHS, WEEE, REACH, ESPR, etc.)
- » E-Waste: Transboundary Shipment and Recycling

Circular Economy Strategies

- » Approaches for a Circular Society
- » Circular Design - How to Set Priorities and Develop Design Strategies
- » Circular Approaches for Electronics in Industrial Applications
- » Life-Time Extension & Value Retention Loops: Rethink, Refuse, Reduce, Reuse, Repair and Recycle
- » Approaches to Board Level Repair and Component Reuse
- » Managing Reliability, Obsolescence and Counterfeit Components

We invite presentations on new methods, tools and industry case studies on all of the above topics. Some more topics will be available in the submission system. Please contact us, if you wish to further refine the listed topics before the submission!



■ PROGRAM & CHAIRS

Program

Monday, June 17, 2024

- » Tutorials & Workshops
- » Technical pre-program
- » Get together

Tuesday, June 18, 2024

- » Opening, Keynotes
- » Sessions, Poster Session
- » Conference Reception

Wednesday, June 19, 2024

- » Sessions, Poster Session
- » Special activities
- » Evening activities

Thursday, June 20, 2024

- » Sessions, Poster Session
- » Closing

■ INTERNATIONAL BOARD

Conference Chair

Martin Schneider-Ramelow Technische Universität Berlin
and Fraunhofer IZM

International Co-Chairs

Colin Fitzpatrick University of Limerick, Ireland
Tadatomo Suga Meisei University, Japan
Yasushi Umeda The University of Tokyo, Japan

Technical Chairs

Nils F. Nissen Fraunhofer IZM
Alexandra Morozov Fraunhofer IZM

■ CONTINUING THE SUCCESS STORY OF 2000 – 2020

- » 150 Speakers / 40 Sessions
- » On average 450 participants from 35 nations
(70% Europe, 15% Asia, 10% America, 5% Others)
- » Academia 35%, Industry 50% and Policy, NGO, Press
& Others 15%



■ INFORMATION FOR AUTHORS

Important Dates

- » Abstract submission deadline for papers and posters
November 26, 2023
- » Notification of authors
January 16, 2024
- » Publication of the preliminary program
March 7, 2024
- » Full paper and registration deadline
April 5, 2024

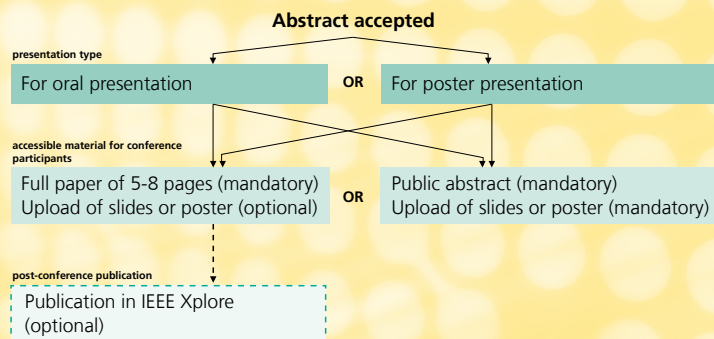
Instructions for Authors

Please only use the conference submission system (ConfTool) to submit your abstract. Virtual presentations are possible, though limited to 10% of total presentations.

Publication policy

- » Contributions distributed online before and during the conference
- » All submissions under non-exclusive copyright
- » Possible ways for your contribution are:

Submission of an abstract until November. 26, 2023



For more information, please check our website
<https://electronicsgoesgreen.org>

■ ORGANIZATION

Conference Venue

The conference will be held in a hotel in the heart of Berlin.

Language

The official language for all presentations is English.

Registration

Register online from February 2024. The reduced registration fee for speakers will be 950 €, incl. all lunches, daytime refreshments and evening events.

Keep up to date

Sign in for conference newsletter or for the Electronics Goes Green LinkedIn group:

- » <https://electronicsgoesgreen.org/newsletter>
- » www.linkedin.com/groups/8965673/



Contact

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ABSTRACT DEADLINE FOR PAPERS AND POSTERS:
NOVEMBER 26, 2023

ORGANIZED BY:



IN COOPERATION WITH:

