IE2025

The 21st International Conference on Intelligent Environments
23.-26. June 2025 Darmstadt, Germany

Call for Papers
21st International Conference on Intelligent Environments (IE 2025)
https://www.ie2025.fraunhofer.de/

The International Conference on Intelligent Environments (IE) is in its twenty-first year and is now recognized as a major annual venue in the area. IE, which has been hosted worldwide, offers a truly international forum and welcomes contributions from all over the planet. Intelligent environments refer to physical spaces in which information and communication technologies, artificial intelligence, interface sensing and actuating technologies are woven to create interacting spaces. The ultimate objective of such environments is to enrich users' activities, while allowing users to manage them and be aware of each other's capabilities.

The 21st International Conference on Intelligent Environments (IE2025) will take place in Darmstadt, Germany. Conveniently located just a 30-minute bus ride from Frankfurt International Airport, the city offers excellent accessibility for global attendees. Renowned as a hub of innovation and research, Darmstadt provides an inspiring setting for the conference. For those unable to attend in person, IE2025 will also offer hybrid (online) participation options.

Conference Program: IE is a multidisciplinary event welcoming contributions from a diversity of various relevant areas, including sensors and actuators, signal processing (incl. audio and images), networking, human-computer interaction, artificial intelligence, software engineering, context-awareness, internet of things, pervasive and ubiquitous computing, applied in domains such as healthcare, education, culture, building environments and smart cities. The event will include regular full/short papers as well as a Doctoral Colloquium, a Posters Session, and Demos & Videos Session and affiliated workshops.

Special Sessions: Within the conference, special tracks will be proposed by members from our scientific community.
Workshops: The event will also be complemented with a varied workshops program (to be announced soon).
Tutorials: Supplementing the workshops, there will be tutorials delivered by well-known colleagues on current relevant topics.
Proposals for workshops, special sessions, or tutorials by: 12 September 2024
Decisions on proposals communicated on: 20 September 2024

Publications: As in previous editions, we expect all papers accepted at the main conference to be published by IEEE-indexed proceedings (currently in negotiation with IEEE, as in previous editions). All papers accepted in the workshops will be published as a volume of the IOS Press Ambient Intelligence and Smart Environments book Series of IOS Press, which is published Open Access and indexed by Clarivate (Web of Science). Both the articles in the IEEE proceedings and the IOS Press books will be ISI-indexed. As in previous years, selected papers will be invited to be extended and submitted to journals for publication.

Keynote Speakers: The conference will include keynote lectures by distinguished speakers from industry and academia.

Industrial Forum: This will be a networking event and an opportunity for the business sector to showcase innovation.

Awards: As in past editions there will be a range of prizes to reward the quality of the contributions made by scientists in our community

Important Dates:
Conference paper submission:	1 December 2024
Communication of results:	20 February 2025
Camera ready versions	28 March 2025
Workshops paper submission	1 March 2025
Workshops results:	5 April 2025
Workshops camera ready	15 April 2025

Honorary Chair:
  Dieter W. Fellner (TU Darmstadt, Germany)
General Chair(s):
  Arjan Kuijper (Fraunhofer IGD/TU Darmstadt, Germany)
Program Chairs:
  Hirozumi Yamaguchi (Osaka University, Japan)
Local Organising Committee Chair(s):
  Florian Kirchbuchner (Fraunhofer- IGD, Germany)
Workshop Chairs:
  Raul Aquino Santos (University of Colima, Mexico)
  Silvia Faquiri (Rus) (Fraunhofer- IGD, Germany)
Posters and Short Papers Chairs:
  Paula Lago (Concordia University, Canada)
  Goran Vojković (University North, Croatia)
   Dennys Matthies (Technische Hochschule Lübeck, Germany)
Doctoral Colloquium Chairs:
  Xi (James) Zheng (Macquarie University, Australia)
  Andrés Muñoz Ortega (University of Cadiz, Spain)
Demos and Video Chair(s):
  Daniela Micucci (University degli Studi di Milano-Bicocca, Italy)
  Sergio Staab (RheinMain University of Applied Sciences, Germany)
Special Session Chair(s):
  Aditya Santokhee (Middlesex University, Mauritius)
  Sunil Choenni (Dutch Ministry of Justice and Security, Netherlands)
  Robin Horst (Fraunhofer IGD, Germany)
Keynotes and Tutorials Chair(s):
  Slawomir Nowaczyk (Halmstad University, Sweden)
  Biying Fu (RheinMain University of Applied Sciences, Germany)
Journal Special Issues Chair(s):
  Sira Yongchareon (Auckland University of Technology, NZ)
  Jeannette Chin (UEA -UK)
Publicity and Social Media Chair(s):
  Paula Lago (Concordia University, Canada)
  Jeannette Chin (UEA -UK)
Awards and Prizes Chair(s):
  Ruizhi Liao (The Chinese University of Hong Kong, China)
  Carlos Rodríguez Domínguez (University of Granada, Spain)
Professional Society Liaison Chair(s):
  Juan Carlos Augusto (Middlesex University, UK)
Industrial Forum Chair(s):
  Khuong Minh Vu (National University of Singapore)
Sponsorships Chair(s):
  TBD

Topics of interest include but are not limited to:

  Smart spaces
  Smart cities
  Smart communities
  Mobile computing
  Multimodal interaction
  Robotic companions
  Artificial intelligence
  Computational intel.
  Middleware
  Architecture
  Virtual/Mixed reality
  Collaborative tools
  Sensors and actuators
  Industry 4.0
  Smart buildings
  Smart education
  Smart healthcare tech
  Pervasive computing
  Context awareness
  Energy Efficiency
  Ambient Assisted Living
  Evaluation and Corpora
  Evaluation Paradigms
  Data Acquisition
  Labelling and Data Sets
  User Studies
  Signal Processing (incl. audio and images)