SCC 2025

March 10-13, 2025
Karlsruhe, Germany

VDE ITG
KIT
Karlsruher Institut für Technologie

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14th International ITG Conference on Systems, Communications, and Coding

Call for Papers

Organizing Committee

- **General co-chairs:**
  Laurent Schmalen
  Peter Rost
  Karlsruhe Institute of Technology

- **Technical Program Committee Chair:**
  Wolfgang Utschick
  Technical University of Munich

- **Information:**
  For information please refer to the website **www.scc2025.net** or contact us
  info@scc2025.net

Tutorials

The conference will feature complementary tutorials on March 10th.

Tutorial speakers and topics will be announced via the website **www.scc2025.net**

Paper Submission

Prospective authors are invited to submit full-length, six-page papers, including figures and references, in English for peer review. Guidelines are available at **www.scc2025.net**

Scope and Objectives:

SCC is a biannual conference and organized by the Information Technology Society (ITG) of the Association for Electrical, Electronic and Information Technologies (VDE). The conference aims at bridging the gap between theory and applications as well as different communities working on communications.

The 14th SCC will take place in Karlsruhe, Germany, from March 10th to 13th, 2025.

We encourage contributions from both academia and industry presenting original work in various fields of communications like:

- wireless communications (cellular, satellite, vehicular)
- optical communications
- sensor networks, Internet-of-Things (IoT) communications
- industrial radio, low-latency & ultra-reliable communications
- massive communications
- cloud and fog-based RANs
- distributed (storage) systems
- communications and control

Topics of interest include, but are not limited to:

- information and coding theory
- source and channel coding, semantic communications
- communication theory and modulation formats
- cryptography, privacy, and security
- cooperative communications and network coding
- machine learning for communications
- energy efficient and sustainable communications
- resource management and interference handling
- localization and navigation, integrated sensing and communications
- smart antennas and intelligent reflecting surfaces in communications
- quantum information processing and quantum communications
- molecular communications and biology-inspired data storage

Dates

Paper submission deadline:	Sep. 27th, 2024
Notification of acceptance:	Dec. 18th, 2024
Final manuscript and author registration:	Jan. 17th, 2025