



Immersive Bridging of Continents in the Era of Hyperconnectivity

CALL FOR DEMOS



IEEE BlackSeaCom™

<https://blackseacom2023.ieee-blackseacom.org/>

Important Dates

Submission Deadline: **March 31th, 2023**

Notification of Acceptance: **April 15th, 2023**

Camera Ready Deadline: **April 30th, 2023**

General Co-Chairs

Sema Oktug (Istanbul Technical University, Turkey)

Burak Kantarci (University of Ottawa, Canada)

Technical Program Co-Chairs

Petros Spachos (University of Guelph, Canada)

Mehmet Yunus Donmez (Ericsson, Turkey)

Sebnem Baydere (Yeditepe University, Turkey)

DEMO Co-Chairs

Murat Simsek (University of Ottawa, Canada),
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Larysa Globa (Igor Sikorsky KPI, Ukraine),
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SUBMISSIONS

Prospective Demo participants should prepare the paper with research descriptopn and additionally a one-page proposal describing the demonstration, and list of the necessary requirements (e.g. space, power, instruments, etc.). All submitted applications will be reviewed and decisions will be based on the degree of appropriateness and quality for IEEE BlackSeaCom 2023.

To submit Demo proposal in PDF format via EDAS by visiting clicking [here](#)

IEEE BlackSeaCom 2023 will be held in Istanbul that straddles Europe and Asia across the Bosphorus Strait. Themed Immersive Bridging of Continents in the Era of Hyperconnectivity, the conference is seeking high quality and original technical papers not currently under review by any other journal, magazine or conference. Besides the regular technical papers, the technical program seeks poster papers that present work in progress with preliminary results and demos.

IEEE BlackSeaCom 2023 will feature **a special demonstration session** showcasing the latest technological advances in all areas of communications and networking technologies. The demonstration session will provide an exciting forum for researchers, developers to present and discuss new applications, techniques and prototypes.

Demonstrations showcasing working systems, research and development results/challenges, novel applications, ground-breaking ideas or future directions in communications and networking are welcome.

Nascent and incubating companies wishing to demonstrate emerging and innovative technologies that have potential commercial application are particularly encouraged to participate.

In particular, we are seeking **the following types of contributions:**

- Demos from student authors about the concepts presented in their paper(s)
- Demos from all other authors of accepted contributions in the main conference and workshops
- Demos from faculty and academic research groups related to IEEE BlackSeaCom 2023 key topics
- Demos from industrial researchers

Topics of interest include, but are **not limited to:**

TECHNICAL SCOPE:

- 5G mobile systems, 6G connectivity and applications
- Artificial Intelligence, machine learning, and data analytics in wireless communications and networks Softwaredefined networks, network virtualization, and network slicing
- Communications and networks for cloud, edge and fog
- Internet of Things (IoT) applications and Sensor Networks
- Social networking, smart cities, and multimedia communications
- Connected health and e-Health
- Optical networks and systems, radio over fiber
- Mobile and wireless communications and networking
- Image, speech and signal processing for communications
- Molecular and nanoscale communications

- Modelling, semantic web and ontologies, and interoperability for the Internet, the Metaverse and related applications
- Big data analysis, processing, and transmission
- Smart grids, M2M and vehicular networks
- Future Internet and testbeds
- Network and Service Management
- Communications and Information theory
- Cognitive radio and networking
- Security, privacy, and trust
- Sustainable communications and computing
- Electromagnetic compatibility
- Drones, UAV, V2X communications
- Cloud-based data streaming