

International Black Sea Conference on Communications and Networking (BlackSeaCom)

 Copy Persistent Link  Browse Title List  Sign up for Conference Alerts

- Proceedings
- All Proceedings
- Popular

2025 IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom)
23-26 June 2025

DOI: 10.1109/BlackSeaCom65655.2025

Search within results



Items Per Page

Export

Email Selected Results

Showing 1-73 of 73

Author	☐	BlackSeaCom 2025 Index	
		Publication Year: 2025 , Page(s): 1 - 1	
Affiliation			
	☐	BlackSeaCom 2025 Committees	
		Publication Year: 2025 , Page(s): 2 - 4	
			
	☐	BlackSeaCom 2025 Authors Index	
		Publication Year: 2025 , Page(s): 5 - 15	
			
	☐	BlackSeaCom 2025 List Reviewer Page	
		Publication Year: 2025 , Page(s): 16 - 21	
			
	☐	BlackSeaCom 2025 List Reviewer Page	
		Publication Year: 2025 , Page(s): 22 - 22	
			
	☐	BlackSeaCom 2025 Breaker Page	
		Publication Year: 2025 , Page(s): 23 - 23	
			
	☐	BlackSeaCom 2025 Ad Page	
		Publication Year: 2025 , Page(s): 24 - 24	
			
	☐	BlackSeaCom 2025 Subject Index Page	
		Publication Year: 2025 , Page(s): 25 - 28	
			
	☐	BlackSeaCom 2025 TOC	
		Publication Year: 2025 , Page(s): 29 - 33	
			

Quick Links
[Search for Upcoming Conferences](#)
[IEEE Publication Recommender](#)
[IEEE Author Center](#)

Proceedings
The proceedings of this conference will be available for purchase through Curran Associates.
65655-BlackSeaCom, 2025 (PRT)
Print on Demand [Purchase at Partner](#)



☐	BlackSeaCom 2025 Opinion Publication Year: 2025 , Page(s): 34 - 34	
	 	
☐	BlackSeaCom 2025 Opinion Publication Year: 2025 , Page(s): 35 - 36	
	 	
☐	Practical and Robust antenna downtilt Optimisation Approach in 5G Network Golnar Behzadi; Michael J. O'Sullivan; Geoff Tunnicliffe Publication Year: 2025 , Page(s): 1 - 6	
	v Abstract HTML  	
☐	Enabling Low-Complexity Massive MIMO Detection Using In-Memory Computing Mojtaba Mahdavi Publication Year: 2025 , Page(s): 1 - 6	
	v Abstract HTML  	
☐	Capacity Enhancement of Near-Shore Communication Using Rate Splitting Multiple Access Saurab Rauniyar; Sagnik Bhattacharyya; Pål Orten; Stig Petersen; Sam Darshi Publication Year: 2025 , Page(s): 1 - 6	
	v Abstract HTML  	
☐	Secrecy Analysis of Two-Way Full-Duplex RIS-Empowered Vehicular Networks over Double Nakagami-m Fading Channels Radhika Gour; Luxmi Kant Vishwakarma; Suneel Yadav; Devendra S. Gurjar Publication Year: 2025 , Page(s): 1 - 6	
	v Abstract HTML  	
☐	Is It Worth to Use Feedback Channel in 5G V2X Platoon Scenarios? Dmitry Bankov; Artem Krasilov; Artem Otmakhov; Pavel Savlukovich; Evgeny Khorov Publication Year: 2025 , Page(s): 1 - 6	
	v Abstract HTML  	
☐	Detection of GAN Generated Images Related Poisoning Attacks in Federated Learning Systems Mouley Sivarajah; Rishad Mohamed; Arushan Thayaparan; Chamara Sandeepa; Charuka Moremada; Madhusanka Liyanage Publication Year: 2025 , Page(s): 1 - 6	
	v Abstract HTML  	
☐	Enhancing Intrusion Detection in 5G Networks: A Comparative Study of Generative Adversarial and Diffusion Networks Pasindu Pamuditha; Sandaru Hettiarachchi; Yasodha Gunarathne; Charuka Moremada; Chamara Sandeepa; Madhusanka Liyanage Publication Year: 2025 , Page(s): 1 - 6	
	v Abstract HTML  	
☐	Evaluating Large Language Models for Anomaly Detection with Cost-Efficient Sampling: A Generalized Framework	

Duy Anh Pham; Ievgeniia Kuzminykh; Andrii Astrakhantsev;
Bogdan Ghita
Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Volumetric DDoS Attack Detection and Mitigation using P4-DPDK** 
- Samia Choueiri; Ali Mazloun; Sergio Elizalde; Elie F. Kfoury;
Jorge Crichigno
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **A Comparative Study of SMOTE-Enhanced Machine Learning Models for IoT Device Classification on the TON IoT Dataset** 
- Ela Kalifati; Kerem Küçük; Şevval Şolpan; Kazım Kıvanç Eren
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Evaluating Encryption Overhead and Offload Techniques in High-Speed Data Transfers** 
- Elie Kfoury; Jose Gomez; Ali Mazloun; Ali AlSabeH; Jorge Crichigno
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **A New Reversible Data Hiding Method in PDF Files for Secret Communication** 
- Adem Savaş; Mehmet Zeki Konyar
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Channel Estimation Aware NMSE Performance Analysis for Multi-Cell Massive MIMO Systems** 
- Pei Liu; Yue Zhang; Kehao Wang; Wei Gao; Giovanni Interdonato;
Stefano Buzzi; Georgios Mylonopoulos
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Application of the List Viterbi Algorithm for Satellite-based AIS Detection** 
- Linda Kanaan; Karine Amis; Frédéric Guilloud; Rémi Chauvat
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Machine Learning-Assisted Network-Aware Bitrate Prediction for Remote Driving** 
- Aslihan Reyhanoglu; Feyzi Ege Kumeç; Abdulkadir Bilge;
Hira Bakirhan; Bugra Turan; Sinem Coleri
- Publication Year: 2025 , Page(s): 1 - 5

▼ Abstract [HTML](#)  

- ☐ **Drone Inspection for Large-scale Digital Twins: Stationary and Mobile Deployment Concepts** 
- Volodymyr Prokopets; Uwe Alßmann
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Multi-Class Device Identification on Large-Scale WiFi Network Traffic Data** 

▼ Abstract [HTML](#)  

- ☐ **Optimizing CRC Polynomial Selection using Reinforcement Learning for Improved GRAND Decoding** 
Atahan Mehmet Cirpan; Ali Görçin; İbrahim Hökelek; Ferkan Yilmaz
Publication Year: 2025 , Page(s): 1 - 5

▼ Abstract [HTML](#)  

- ☐ **Innovative Method for TEMPEST Detection and Identification of Compromising Emission Generated by The Video Signal from a Laptop** 
Mircea Popescu; Cristian Morari; Calin Popescu; Eduard-Marian Badula
Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Utility Maximization in Digital Twin Enabled 6G Network with Joint Communication and Sensing** 
Jagadeesha R Bhat; Omar Alfandi; Karan Kabdal; Yash Srivastava
Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Energy Efficient Wake Up Radio Polling Based on Value of Information** 
Sokipriala Jonah; Seong Ki Yoo; Saurav Sthapit
Publication Year: 2025 , Page(s): 1 - 5

▼ Abstract [HTML](#)  

- ☐ **Enhancing Near-Shore Connectivity With IRS Assisted Uplink User Pairing** 
Saurab Rauniyar; Pål Orten; Stig Petersen
Publication Year: 2025 , Page(s): 1 - 5

▼ Abstract [HTML](#)  

- ☐ **Reconfigurable Intelligent Surfaces-Assisted Integrated Access and Backhaul** 
Charitha Madapatha; Behrooz Makki; Hao Guo; Tommy Svensson
Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Towards Fast High-Level Estimation of Inspection Drone Networks for Large-Scale Digital Twins** 
Volodymyr Prokopets; Uwe Alßmann
Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **AI-Driven Zero-Touch Containerized Network Functions Optimization for 6G Networks Using Network Data Analytics Components** 
Razvan Mihai; Florentina Belu; Raluca Priminescu; Radu Andreescu;
Razvan Craciunescu; Johann M. Marquez-Barja
Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Design and Analysis of a Linear 4-Patch Antenna System for 5/6G Technology** 
Maria Sîrbu-Drăgan; Teodora-Cristian Stoian; Simona Halunga;

▼ Abstract [HTML](#)  

- ☐ **Massive MIMO in 5G Networks: Trade-offs in Capacity and Complexity** 
- Cristina-Maria Andras; Ioana-Adriana Manea; Gordana Barb; Florin Alexa
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Cross-Vertical Integration of AI, Blockchain, and IoT for Secure and Resilient Digital Health Ecosystems** 
- George Suci; Cosmina Stalidi; Eduard-Cristian Popovici
- Publication Year: 2025 , Page(s): 1 - 7

▼ Abstract [HTML](#)  

- ☐ **Real-Time Object Detection and Rural Connectivity with 5G-Enabled Edge Solutions** 
- Claudia Carballo González; August Betzler; Adrián Pino; Kurdman Rasol; Joan Aleixendri Josep Brugués; Ivan Huerta
- Publication Year: 2025 , Page(s): 1 - 7

▼ Abstract [HTML](#)  

- ☐ **Artificial Neuronal Network for Surface EMG Signal Processing** 
- Larisa Dunai; Isabel Seguí Verdú; Lilia Sava; Dinu Țurcanu
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Geometric distributions MinMax and MaxMin modified as lifetime distributions and statistical estimators for them** 
- Leahu Alexei; Rotaru Maria; Dumitru Ciorbă; Fiodorov Ion
- Publication Year: 2025 , Page(s): 1 - 5

▼ Abstract [HTML](#)  

- ☐ **Engineering Education Management in the Era of Artificial Intelligence** 
- Valentina Tirsu; Lilia Sava; Pavel Nistiriuc; Vladimir Mirovski
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **KLSampler: A Kullback-Leibler Divergence Based Undersampling Technique for Machine Learning Applications** 
- Kazım Kıvanç Eren; Kerem Küçük; Sema Zeynep Bulut; Yiğiter Yiğit; Orhan Akbulut
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Transformer-based Paper Title Generation from Turkish Article Abstracts** 
- Beyzanur Bektaş; Mehmet Zeki Konyar
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Bridging Internet of Things and Beyond 5G with Secure Orchestration** 
- Engin Zeydan; Luis Blanco; Sadeep Batewela; Pasika Ranaweera;

Madhusanka Liyanage
Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Enhancing Modulation Classification Through Lightweight Dyadic down-Sampling Schemes and CNN Layer Fusion** 
- Alexander Gros; Véronique Moeyaert; Patrice Mégret
- Publication Year: 2025 , Page(s): 1 - 8

▼ Abstract [HTML](#)  

- ☐ **Extracting Vehicle Trajectory Clusters from Video Monitoring in Smart Intersections** 
- Nicolae Cleju; Constantin Catargiu
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Ship Detection and Statistics in Constanta Anchorage Using Sentinel-1 Data** 
- Kamal Marandskiy; Andrei Racovițeanu; Ioana Plajer; Matei Debu; Artur Kazak; Mihai Ivanovici
- Publication Year: 2025 , Page(s): 1 - 5

▼ Abstract [HTML](#)  

- ☐ **NVENC Codecs Quality Comparison for Real-Life UAV 4k Video Streams** 
- Costin-Emanuel Vasile; Călin Bîră
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Assessing the Opportunity to Implement Mobile Applications** 
- Bolun Ion; Nastas Vasile
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **SOFIA: Smart Optical Facial-Interaction Assistant** 
- Iuliana Marin; Ana-Maria Comeagă
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Image Fusion for Wi-Fi AP localization** 
- Robert-Gabriel Dobosan; Teodor Petrita
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **The Effect of Correlated Arrivals on the Performance of Energy Efficient Ethernet** 
- Mehmet Akif Yazici; Utku Ozmat
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **ATEO: Adaptive Timeout & Eviction Orchestrator** 
- Efe Ertekin; Beytullah Yiğit; Fatih Alagöz
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **DQRL: A Directed Acyclic Graph and RL-Based Framework for QoS-Centric Routing in Multi SDNs** 
Baris Kurtulus; Murat Karakus; Evrim Guler
Publication Year: 2025 , Page(s): 1 - 6
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **OPT-AG-VMTE: Integer Linear Programming-Optimized Augmented Graph Approach for Virtual Multicast Tree Embedding in Software Defined Networks** 
Furkan Ayaz; Hadi Alizadeh; Evrim Guler; Murat Karakus; Davut Hanbay
Publication Year: 2025 , Page(s): 1 - 6
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **Solving Urban Parking Inefficiency through Blockchain and SDN: From Formulation to Implementation** 
Huseyin Ozgur Kamali; Ali Berkay Gorgulu; Murat Karakus; Evrim Guler; Suleyman Uludag
Publication Year: 2025 , Page(s): 1 - 6
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **An Approach to Creating an Auto-scalable Software-Defined Network Using the Computing Resources of Connected Devices** 
Mykola Alieksieiev; Andrii Kovalov; Vladyslav Ruban
Publication Year: 2025 , Page(s): 1 - 6
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **Offloading Encrypted C2 Traffic Mitigation to SmartNICs** 
Ali Mazloun; Elie Kfoury; Samia Choueiri; Ali AlSabeH; Jorge Crichigno
Publication Year: 2025 , Page(s): 1 - 4
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **A Blockchain-Based Framework for Secure IoT Device Communication** 
Thomas Mazaud; Martin D'Hérrouville; Lucas Hauszler; Daniel Henrique Pohren; Alexandre Dos Santos Roque; Edison Pignaton De Freitas
Publication Year: 2025 , Page(s): 1 - 4
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **OB-IDS: Optimized BERT-based Intrusion Detection System** 
Göktuğ Ateş; Başar Çelebi; Umut Aytuğ Semerci; Emircan Çapkan; Batuhan Yıldırım; İlktan Ar; Taner Arsan
Publication Year: 2025 , Page(s): 1 - 4
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **Enhancing Malicious URL Classification with Transformer-Based Embeddings** 
Larysa Globa; Vitalii Prykhodniuk; Serhii Tsukanov
Publication Year: 2025 , Page(s): 1 - 4
[v](#) [Abstract](#) [HTML](#)  
-
- ☐ **An approach to improving the security of remote authentication systems** 
Galyna Liashenko; Andrii Astrakhantsev; Larysa Globa; Ievgeniia Kuzminykh
Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Performance Evaluation of a Blockchain-Based Smart Livestock Farm Management Platform** 
- Alexandru Vulpe; Dana Cătălina Popa; Laura Fricosu; Liviu Vidu;
Marius Vochin; Carmen Florea
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Method for Identifying Plant Diseases Based on Monitoring Platform for Plantations** 
- Lisnic Dorin; Bostan Viorel; Rotaru Lilia; Cărbune Viorel;
Kapusteanski Maxim; Seinic Valeriu
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Design and Implementation of Lightweight Virtualized Firewalls for Industrial Cybersecurity and Medical Services** 
- Raluca Ștefania Lungu; Ovidiu Andrei Frasin; Constantin Viorel Marian
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Improving Livestock Monitoring: Multi-Classifer Approach for Cattle Behavior Recognition** 
- Iuliana Marin; Diana Alexandra Ciungan; Roxana Elena Vasiliu;
Dănuț-Nicolae Enea
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Architecting Secure Smart Infrastructures with AI Microservices and Autonomous Agents: A State-of-the-Art Review and Healthcare Use Case** 
- Traian-Cristian Ureche; Eduard-Cristian Popovici; Simona Halunga;
Laurențiu Boicescu; Dinu Țurcanu; Andra Paula Avasiloaie
- Publication Year: 2025 , Page(s): 1 - 6

▼ Abstract [HTML](#)  

- ☐ **Upgrading GPIB Instruments with IoT: A Microcontroller Solution for Local Network Control of the Laboratory Devices** 
- Catalin Creciunel; Catalin Cechin; Vladimir Ciobanu; Eduard V. Monaico
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **An Adaptive Thresholding and Fog-enabled Remote Healthcare Monitoring System** 
- Jeremy Costantino; George Welson; Edison Pignaton De Freitas
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

- ☐ **Research space missions developed at the TUM Space Centre** 
- Viorel Bostan; Nicolae Secieru; Mihai Ivanovici; Irina Cojuhari;
Alexandru Pandele; Ștefan Popa; Vladimir Melnic; Nicolae Magariu;
Alexei Martîniuc
- Publication Year: 2025 , Page(s): 1 - 4

▼ Abstract [HTML](#)  

▼ Abstract

HTML

IEEE Personal Account

CHANGE
USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS
VIEW PURCHASED
DOCUMENTS

Profile Information

COMMUNICATIONS
PREFERENCES

PROFESSION AND
EDUCATION

TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800
678 4333

WORLDWIDE: +1 732
981 0060

CONTACT & SUPPORT

Follow