



# Publications Contents Digest March/2025





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ComSoc Vice President – Publications – Octavia A. Dobre Director – Journals – Marco Di Renzo Director – Magazines – Yi Qian

#### Magazine Editors

EIC, IEEE Communications Magazine - Rose Qingyang Hu

AEIC, IEEE Communications Magazine - Baek-Young Choi/Gabor Fodor/Nizar Zorba

EIC, IEEE Network- Jiming Chen

EIC, IEEE Wireless Communications - Nirwan Ansari

AEIC, IEEE Wireless Communications - Tao Chen/SuKyoung Lee

EIC, IEEE Communications Standards Magazine - Carlos Cordeiro

AEIC, IEEE Communications Standards Magazine - Hamed Ahmadi/Simone Ferlin

EIC, IEEE Internet of Things Magazine — Rath Vannithamby

AEIC, IEEE Internet of Things Magazine — Maurice Khabbaz

#### Journal Editors

EIC, IEEE Transactions on Communications - George Karagiannidis

EIC, IEEE Journal on Selected Areas In Communications (J-SAC) - Petar Popovski

EIC, IEEE Communications Letters - Daniel Benevides da Costa

EIC, IEEE Communications Surveys & Tutorials - Trung Q. Duong

EIC, IEEE Transactions on Network & Service Management (TNSM) - Hanan Lutfiyya

EIC, IEEE Wireless Communications Letters - Ai-Chun Pang

EIC, IEEE Transactions on Wireless Communications - Vincent Wong

EIC, IEEE Transactions on Cognitive Communications and Networking - Shiwen Mao

EIC, IEEE Transactions on Molecular, Biological, and Multi-Scale Communications

Sasitharan Balasubramaniam

EIC, IEEE Transactions on Green Communications and Networking – Aylin Yener

EIC, IEEE Transactions on Network Science and Engineering - Dusit Niyato

EIC, IEEE Networking Letters - Christos Verikoukis

EIC, IEEE Open Journal of the Communications Society - Sinem Coleri

EIC, IEEE Transactions on Machine Learning in Communications and Networking - Walid Saad

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RIS-Aided Wireless-Powered Backscatter Communications for Sustainable Internet of Underground Things Kaiqiang Lin;Yijie Mao HTML

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Artificial Intelligence, Ambient Backscatter Communication and Non-Terrestrial Networks: A 6G Commixture Muhammad Ali Jamshed;Bushra Haq;Muhammad Ahmed Mohsin;Ali Nauman;Halim Yanikomeroglu HTML

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A Dual-Function Radar-Communication System Empowered by Beyond Diagonal Reconfigurable Intelligent Surface Bowen Wang;Hongyu Li;Shanpu Shen;Ziyang Cheng;Bruno Clerckx

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Robust Secure Beamforming Design for Multi-RIS-Aided MISO Systems With Hardware Impairments and Channel Uncertainties Yongjun Xu;Qinyu Tian;Qianbin Chen;Qingqing Wu;Chongwen Huang;Haijun Zhang;Chau Yuen

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Profit Maximization for Multi-Time-Scale Hierarchical DRL-Based Joint Optimization in MEC-Enabled Air-Ground Integrated Networks Jianbo Du;Jiao Xu;Aijing Sun;Jiawen Kang;Ye Hu;F. Richard Yu;Victor. C. M. Leung HTML

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Output-Constrained Lossy Source Coding With Application to Rate-Distortion-Perception Theory Li Xie;Liangyan Li;Jun Chen;Zhongshan Zhang

Multi-Agent Cooperation-Based Deep Reinforcement Learning for Multisensor Perception Communication System in HSR Tunnel

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A Noise-Adaptive Machine Learning Framework for Optimizing User Grouping in Dynamic IM-OFDMA Systems Fahrettin Ay;Saud Althunibat;Khalid A. Qaraqe;Hasan Kurban HTML

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Julian Karoliny;Bernhard Etzlinger;Roya Khanzadeh;Andreas Springer;Hans-Peter Bernhard

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