



## Journal Menu

- [Telecom Home](#)
- Aims & Scope
- Editorial Board
- Topical Advisory Panel
- Instructions for Authors
- Special Issues
- Topics
- Article Processing Charge
- Indexing & Archiving
- Editor's Choice Articles
- Most Cited & Viewed
- [Journal Statistics](#)
- Journal History
- Journal Awards
- Society Collaborations
- Conferences
- Editorial Office

## Journal Browser

Volume

Issue

- > Forthcoming Issue
- > Current issue

Vol. 7 (2026) Vol. 3 (2022)

Vol. 6 (2025) Vol. 2 (2021)

Vol. 5 (2024) Vol. 1 (2020)

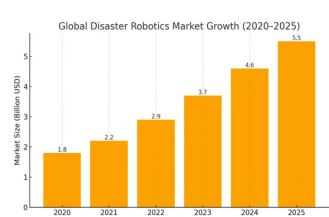
Vol. 4 (2023)

## Highly Accessed Articles

## Review

### Comprehensive Survey on Autonomous Disaster Reconnaissance: A Comparative Analysis of UAVs and UGVs

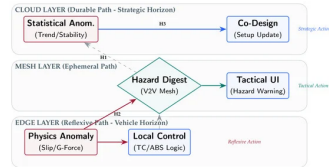
by **Harishik Dev Singh Jamwal** and **Saurabh Singh**  
*Telecom* 2026, 7(2), 31;  
<https://doi.org/10.3390/telecom7020031>  
 Published: 16 March 2026



## Article

### An Edge-Mesh-Cloud Telemetry Architecture for High-Mobility Environments: Low-Latency V2V Hazard Dissemination in Competitive Motorcycling

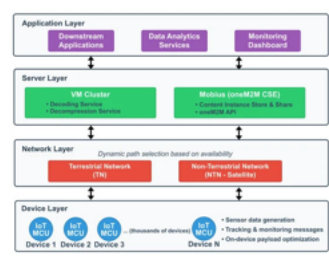
by **Rubén Juárez** and **Fernando Rodríguez-Sela**  
*Telecom* 2026, 7(2), 47;  
<https://doi.org/10.3390/telecom7020047>  
 Published: 21 April 2026



## Article

### Evaluating Binary Serialization Protocols for IoT/M2M Applications over Hybrid Terrestrial and Non-Terrestrial Networks

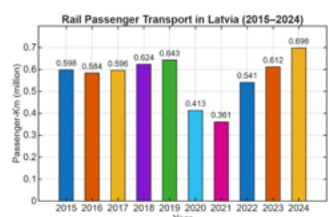
by **Natash Kumar et al.**  
*Telecom* 2026, 7(2), 43;  
<https://doi.org/10.3390/telecom7020043>  
 Published: 10 April 2026



## Article

### Propagation Analysis of 4G/5G Mobile Networks Along Railway Lines: Implications for FRMCS Deployment in Latvia (2025)

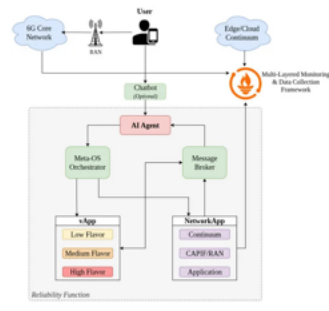
by **Aleksandrs Ribalko et al.**  
*Telecom* 2026, 7(2), 39;  
<https://doi.org/10.3390/telecom7020039>  
 Published: 3 April 2026



## Article

### AI-Driven Reliability in 6G Networks: Enhancing QoE of Real-World Video Streaming

by **Christos Betzelos et al.**  
*Telecom* 2026, 7(2), 35;  
<https://doi.org/10.3390/telecom7020035>  
 Published: 30 March 2026



View More...

## MDPIBooks

## Reprint

Advances in Wireless Communication

Editor: Mario E. Rivero-Angelès



More Books and Reprints...



## Telecom

Telecom is an international, peer-reviewed, open access journal on communications and networks published bimonthly online by MDPI. FITCE Hellas - Hellenic Branch of FITCE is affiliated with Telecom and its members receive a discount on the article processing charge.

- **Open Access** — free for readers, with article processing charges (APC) paid by authors or their institutions.
- **High Visibility:** indexed within ESCI (Web of Science), Scopus, Ei Compendex, and other databases.
- **Journal Rank:** CiteScore - Q2 (Electrical and Electronic Engineering)
- **Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 23 days after submission; acceptance to publication is undertaken in 8.9 days (median values for papers published in this journal in the second half of 2025).
- **Recognition of Reviewers:** APC discount vouchers, optional signed peer review and reviewer names are published annually in the journal.
- **Journal Clusters of Network and Communications Technology:** *Future Internet, IoT, Telecom, Journal of Sensor and Actuator Networks, Network, Signals*.

Impact Factor: 2.4 (2024); 5-Year Impact Factor: 2.7 (2024)

Imprint Information

ISSN: 2673-4001

## Latest Articles

[Open Access](#) [Article](#) 16 pages, 271 KB

#### Industrial 5G Adoption in Ayrshire, Scotland: Evidence, Barriers, and Implications for 6G

by **Hamish Sturley, Pablo Salva-García, Ahren Hart, Leon Irving, Chao Guo** and **Muhammad Zeeshan Shakir**  
*Telecom* 2026, 7(3), 57; <https://doi.org/10.3390/telecom7030057> - 21 May 2026

**Abstract** Fifth-generation (5G) mobile networks are widely positioned as key enablers of industrial digital transformation. However, despite extensive coverage expansion, the deployment landscape remains dominated by Non-Standalone (NSA) architectures integrated with legacy 4G cores, limiting the practical availability of advanced capabilities such as Ultra-Reliable [...] [Read more](#).

(This article belongs to the Topic Next-Generation Wireless and Mobile Network Technologies: Architectures, Protocols, and Applications)

[► Show Figures](#)

[Open Access](#) [Article](#) 17 pages, 2724 KB

#### Anti-Skid Aircraft Braking Mechanism Using Consensus Control over Wireless Avionic Intra-Communication

by **Zohaib Ijaz, Fadhil Firyaguna** and **Dirk Pesch**  
*Telecom* 2026, 7(3), 56; <https://doi.org/10.3390/telecom7030056> - 13 May 2026

**Abstract** This article discusses the anti-skid braking control mechanism of aircrafts. Aircrafts use a sliding-mode controller (SMC) to generate the desired braking torque on its wheels to stop while landing. Potential runway variations and load differences on the wheels are considered, affecting the friction [...] [Read more](#).

[► Show Figures](#)

[Open Access](#) [Article](#) 21 pages, 1830 KB

#### Binary Dragonfly Algorithm with Semicircular Mobility for Multi-Objective Optimization of Underwater Wireless Sensor Networks

by **Eduardo Vázquez, Aldo Mendez, Leopoldo A. Garza, Alberto Reyna** and **Gerardo Romero**  
*Telecom* 2026, 7(3), 55; <https://doi.org/10.3390/telecom7030055> - 12 May 2026

**Abstract** Underwater wireless sensor networks (UWSNs) support critical applications such as environmental monitoring, offshore exploration, and surveillance; however, their performance is constrained by high propagation delay, limited energy resources, and node mobility caused by ocean dynamics. Many clustering approaches assume static nodes and use [...] [Read more](#).

[► Show Figures](#)

[Open Access](#) [Article](#) 13 pages, 5893 KB

#### A Graded Partial Dielectric Transformer for Bandwidth Enhancement in an Ultrawideband High-Power Combined TEM Antenna

by **Alexander D. Dowell, Mohamed Z. M. Hamdalla** and **Katyan C. Durbhakula**  
*Telecom* 2026, 7(3), 54; <https://doi.org/10.3390/telecom7030054> - 11 May 2026

**Abstract** Designing an ultrashort, fast-rising high-power microwave (HPM) system requires an antenna that simultaneously provides ultrawideband (UWB) operation, high gain, and megawatt-level power handling under strict size, weight, and power (SWaP) constraints. To meet these requirements, this paper proposes an improved UWB HPM antenna [...] [Read more](#).

(This article belongs to the Special Issue Advances in Microwave, Antenna, and Radio Frequency Technology and Its Applications)

[► Show Figures](#)

[Open Access](#) [Feature Paper](#) [Article](#) 28 pages, 3148 KB

#### A Decentralized and Flexible BPM Framework Based on Blockchain VM Interpreter and Inter-Blockchain Communication

by **Nakhooon Choi** and **Heeyoung Kim**  
*Telecom* 2026, 7(3), 53; <https://doi.org/10.3390/telecom7030053> - 6 May 2026

**Abstract** While integrating blockchain technology into Business Process Management (BPM) has gained attention, existing compilation-based approaches suffer from high redeployment costs and isolated network structures. This study proposes an FSM-based workflow interpreter engine utilizing the Inter-Blockchain Communication (IBC) protocol within the Cosmos ecosystem to [...] [Read more](#).

[► Show Figures](#)

[Open Access](#) [Review](#) 28 pages, 744 KB

#### Seeing Without Being Seen: A Review of Ethical and Human-Centric ISAC in 6G

by **Maria Gardano, Antonio Nocera, Michela Raimondi** and **Ennio Gambi**  
*Telecom* 2026, 7(3), 52; <https://doi.org/10.3390/telecom7030052> - 5 May 2026

**Abstract** Integrated Sensing and Communication (ISAC), enabling communication infrastructure to simultaneously transmit data and sense the surrounding physical environment, is emerging as a cornerstone technology for sixth-generation (6G) mobile networks. While these capabilities unlock new applications in healthcare, safety, and ambient intelligence, they also [...] [Read more](#).

(This article belongs to the Topic Next-Generation Wireless and Mobile Network Technologies: Architectures, Protocols, and Applications)

[► Show Figures](#)

[Open Access](#) [Feature Paper](#) [Article](#) 30 pages, 1749 KB

#### Constructing an Ensemble Stacking Model for Detecting DDoS Attacks

by **Chin-Ling Chen** and **Wan-Jing Lee**  
*Telecom* 2026, 7(3), 51; <https://doi.org/10.3390/telecom7030051> - 5 May 2026

**Abstract** Distributed Denial-of-Service (DDoS) attacks continue to escalate in scale and complexity, posing significant threats to modern network infrastructures and cloud services. Although many machine learning and deep learning approaches have been proposed for intrusion detection, most existing studies rely on raw traffic features [...] [Read more](#).

[► Show Figures](#)

[Open Access](#) [Feature Paper](#) [Article](#) 17 pages, 674 KB

#### Incremental Sparse Adaptive PCA for Streaming Industrial Sensor Data

by **Rebin Saleh** and **Balázs Villányi**  
*Telecom* 2026, 7(3), 50; <https://doi.org/10.3390/telecom7030050> - 4 May 2026

**Abstract** Industrial Internet of Things (IIoT) systems generate high-dimensional, non-stationary sensor streams under strict memory and computational constraints, limiting the applicability of classical batch dimensionality reduction methods. While incremental PCA (IPCA) enables online updates, it produces dense components and lacks mechanisms for drift adaptation [...] [Read more](#).

[► Show Figures](#)

[Open Access](#) [Article](#) 21 pages, 2079 KB

#### SDN-Assisted Deep Q-Learning Framework for Adaptive Mobility and Handover Optimization in Hybrid 5G Networks

by **Yahya S. Junejo, Faisal K. Shaikh, Bhawani S. Chowdhry** and **Waleed Ejaz**  
*Telecom* 2026, 7(3), 49; <https://doi.org/10.3390/telecom7030049> - 2 May 2026

**Abstract** In the evolving landscape of next-generation wireless networks, ensuring seamless mobility and high-quality service delivery for millions of devices and end users in dynamic scenarios, where the speed of a wireless device keeps changing with time, is important. The mobility, seamless and continuous [...] [Read more](#).

[► Show Figures](#)

More Articles...

Subscribe to receive issue release notifications and newsletters from MDPI journals

Select options

Enter your email address...

Further Information

Article Processing Charges

Pay an Invoice

Open Access Policy

Contact MDPI

Jobs at MDPI

Guidelines

For Authors

For Reviewers

For Editors

For Librarians

For Publishers

For Societies

For Conference Organizers

MDPI Initiatives

Sciforum

MDPI Books

Preprints.org

Scilit

SciProfiles

Encyclopedia

JAMS

Proceedings Series

Follow MDPI

LinkedIn

Facebook

X