

TO BE SUBMITTED – 15 Oct 2025

[P01] Afsoon + Animesh + Jie | letter

[P02] Afsoon + Animesh + Jie | Power control and user association design in an integrated HAPS-Terrestrial network using Deep RL | transactions

[P03] Alkadamani + Ethier | RL + neural | transactions

[P04] Cosmas + Ilyes | SD2X link budget (SYSC 4700/5068)

[P05] David + Marcel | SD2X spectrum (SYSC 5608)

[P06] Yin Lee | transactions

[P07] Ethan + Pablo | journal

[P08] Maryam + Metin | HAPS + IRS + cell switching → transactions

[P09] Maryam + Amir | Improve cell-switching consistency: We believe our previous solution for cell-switching in the presence of HAPS and MBS can cause a cell to switch off and on several times in a short period. Adding a penalty for a large number of cell switches to our optimization problem would discourage excessive offloading and improve the stability of users and maintenance of devices. This generalizes the problem so the system can balance three important objectives: energy savings, user quality of service (these two are already addressed in our Transactions paper), and reduced switching pressure on cells to improve stability.

[P10] Maryam + Amir | Network-slicing potential: Our method already performs user association, so we think it can be extended to support network slicing. For example, we could model multiple slices where eMBB nodes require high bandwidth, URLLC users require very low latency, and mMTC users require low bandwidth. Considering the requirements of users in each slice, we can extend our cell-switching and QoS optimization to include slice-level objectives and constraints, while we will require further modeling and study of network slicing in our problem.

[P11] Maryam + Amir | Gen AI / agentic AI idea: We have started studying generative and agentic AI. We think the optimization problem (user association and cell switching) could be approached through an agentic framework with LLM as planning and the brain of the agent, potentially avoiding some of the approximations we used previously. This is a very novel direction with little or no prior work; it will require research on LLM design, prompt engineering, and embedding strategies. Although it may not guarantee optimality, there could be several practical and attractive advantages.

[P12] Metin + Mallik | magazine

[P13] Benoit + Pablo + Juan | ICC2024W + MECOM 2024 → transactions

[P14] Dhiraj | extension of trans 2: more flexible admission control, routing, bandwidth allocation, and queuing mechanism for dynamic traffic entering and leaving the network | transactions 3

[P15] Bilal | HAPS-RIS | letter / conference

[P16] Bilal | HAPS-RIS | transactions

[P17] Elham | letter

[P18] Zichao + Melda + Gonensin | Achievable info rate for FTN with Ungerboeck receiver with truncated state | TWC 3

[P19] Faical | 1) Ad hoc UAV with EH using NOMA and RSMA

[P20] Faical | 2) Hemispherical RIS for NTN (WCNC 2025 extension?)

[P21] Alouzi 3 | D2D

[P22] Omid | TWC#3

[P23] Ali Nawaz Ranjha

[P24] Saleh Yousefi

[P25] Osman Tokluoglu + Bedeer + AYBU | CNN

[P26] Jintao | Implement micro-SID into SRv6 routing + Replace the static MILP with a hybrid reinforcement learning (RL) and graph neural network (GNN) agent in optimization + Improve both the green algorithm and Flex-Algo framework + sensitivity analysis | ICC2025 workshop + GC2025 → journal

[P27] Jintao | OJVT on FSOSN → follow up with multi-objective functions and based on the STK data

[P28] Metin + Gorkem + Berkay + Handan + Ozgun | NTN-ISAC | COMST

[P29] Rozita + Omid | DoF

[P30] Mohanad | GC2024 → journal

[P31] Nader Mokari | AI-Powered Wireless Brain-Computer Interfaces in 6G: A Survey and Six-Layer System Architecture → COMST?

[] Metin | HAPS survey

[] Elham | magazine

[] Afsoon + HAPS Alliance | 6G-HAPS

[] Metin + Gorkem + Berkay + Handan | ICC 2024 → journal

[] Metin + Gorkem + Berkay + Handan | magazine

[] Metin + Gorkem + Berkay + Afsoon | magazine → 4 technical paper, one for each scenario

[] Maryam + Gadallah | magazine

[] Ethan + Elham + Pablo | magazine 2

|| Khaled | DmMIMO SatNet

|| Faical + Safwan | magazine

|| Mohsen Rahmani | Access

|| Tasneem | transactions (controller placement)

|| Amin + Hongzhao + CRC | spectrum | magazine

|| Tuheen + Adnan | magazine (Ericsson management's permission needed)

|| Mouhamed Abdulla (Sheridan) | magazine/survey (Sat-IoT)

|| Afsoon | ICC/WCNC 2026

|| Cosmas | ICC/WCNC 2026

|| Cheng-Yin Lee, Jason Jaskolka, Halim Yanikomeroglu, and Gunes Karabulut Kurt, "A novel key distribution scheme for quantum resistance: Asymmetric key server",

- *IEEE Globecom 2025* → reject.

|| Maryam Salamatmoghadasi, Amir Mehrabian, Halim Yanikomeroglu, and Georges Kaddoum, "QoS-aware energy optimization via cell switching in heterogeneous networks",

- *IEEE Globecom 2025* → reject.

|| Faisal Al-Kamali, Mohammed Alouzi, Claude D'Amours, Francois Chan, and Halim Yanikomeroglu, "Low-complexity RIS with hybrid transceiver design for MIMO systems operating in the mmWave band",

- *IEEE Globecom 2025* → reject.

|| Parisa Kanani, Mohammad Javad Omid, Mahmoud Modarres Hashemi, and Halim Yanikomeroglu, "Fair ISAC for multi-target multi-user MIMO in HAPS-UAV: A 6G-oriented framework",

- *IEEE Globecom 2025* → reject

"Fairness-aware ISAC for multi-target, multi-user MIMO in HAPS-UAV networks: A unified optimization framework for 6G"

- *IEEE ICC 2026*.

|| Osman Tokluoglu, Enver Cavus, Ebrahim Bedeer, and Halim Yanikomeroglu, "A novel bi-GRU-based faster-than-Nyquist signaling detector with position aware attention mechanism", *IEEE ICC 2026*, Glasgow, UK.

|| Hongzhao Zheng, Mohamed Atia, and Halim Yanikomeroglu, "Optimized deployment of HAPS systems for GNSS localization enhancement in urban environments".

- *IEEE Globecom 2025* → reject;
- *IEEE WCNC 2026*.

|| Bahareh Jafari, Hossein Pishro-Nik, Hamid Saeedi, Nizar Zorba, and Halim Yanikomeroglu, "UAV path planning for IoT data collection with guaranteed coverage: An analytical framework", *IEEE ICC 2026*, Glasgow, UK.

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|| Amin Farajzadeh, Animesh Yadav, and Halim Yanikomeroglu, “Strategic client selection to address non-IIDness in HAPS-enabled FL networks”,

- *IEEE Wireless Communications Letters* (submission: 31 Dec 2023 → **reject**: 08 Feb 2024);
- *IEEE Communications Letters* (submission: 15 Apr 2025, unsubmission: 15 Apr 2025, submission: 16 Apr 2025 → **reject**: 05 May 2025);
- *IEEE Transactions on Vehicular Technology* submission: 29 May 2025 → **reject**: 13 Oct 2025.

|| Ahmet Melih Ince, Elif Ayse Canbilen, and Halim Yanikomeroglu, “AoI-aware HAPS-aided multi-agent framework for resource management in V2X networks”,

- *IEEE Wireless Communications Letters* (submission: Jan 2025 → **reject**);
- *IEEE Transactions on Vehicular Technology* (submission: 10 Jul 2025 → **reject**: 29 Sep 2025).

|| Hongzhao Zheng, Mohamed Atia, and Halim Yanikomeroglu, “A metaheuristic framework for optimized HAPS-aided localization in urban areas”,

- *IEEE Transactions on Intelligent Transportation Systems* (submission: 16 June 2025 → **editor-reject**);
- *IEEE Transactions on Aerospace and Electronics Systems* (submission: 07 Jul 2025 → **reject**: 14 Sep 2025).

|| Evla Safahan Ahrazoglu, Eylem Erdogan, Ibrahim Altunbas, and Halim Yanikomeroglu, “A holistic link budget analysis for mmWave and THz communication in non-terrestrial networks”,

- *IEEE Transactions on Vehicular Technology* (submission: 28 May 2025 → **reject**: 24 August 2025).

|| Wafa Hasanain, Pablo Madoery, Halim Yanikomeroglu, Gunes Karabulut Kurt, Sameera Siddiqui, Stéphane Martel, Khaled Ahmed, and Colin Bellinger, “Dynamic controller activation with setup penalty and capacity awareness in SDN-enabled LEO satellite networks”,

- *IEEE Open Journal of Vehicular Technology* (submission: 28 Apr 2025, 1st results: 21 May 2025, 1st revision: 15 Jul 2025 → **reject**: 04 Aug 2025).

|| Osman Tokluoglu, Adem Cicek, Enver Cavus, Ebrahim Bedeer, and Halim Yanikomeroglu, “Faster-than-Nyquist signaling detection using GRU-based deep neural network”,

- *PIMRC 2025* → **reject**;
- *PIMRC 2025 Workshops* → **reject**.

|| Abdullah Taha Cagan, Ozgun Ersoy, Metin Ozturk, and Halim Yanikomeroglu, “HAPS for maritime communications: Performance comparison of relaying communication techniques”,

- *PIMRC) 2025 Workshops* → **reject**.

|| Mohamad Alkadamani, Colin Brown, and Halim Yanikomeroglu, “AI-enhanced spatial spectrum demand prediction with contextual clustering and error correction”,

- *IEEE COMPSAC 2025* → **withdrawn**.

|| Mohamad Alkadamani, Amir Ghasemi, and Halim Yanikomeroglu, “Towards intelligent spectrum management: Spectrum demand estimation using graph neural networks”,

- *IEEE Transactions on Cognitive Communications and Networking* (submission: 13 Apr 2025 → **reject**: 10 June 2025).

[last reminder: 13 Sep 2025]

[] Bilal Karaman, Ilhan Basturk, Ferdi Kara, Sezai Taskin, and Halim Yanikomeroglu, “ANCHOR: Advanced connectivity with NOMA-RIS in HAPS networks”,

- *IEEE Transactions on Vehicular Technology* (submission: 28 Dec 2024 → **reject**: 09 June 2025).

[] Janaki Parekh, Amir Ghasemi, and Halim Yanikomeroglu, “A multi-task deep learning approach for fine-grained local spectrum demand estimation”,

- *IEEE Transactions on Machine Learning in Communications and Networking* (submission: 20 Dec 2024 → **reject**: 11 Apr 2025).

[last reminder: 13 Sep 2025]

[] Rozita Shafie, Omid Abbasi, Halim Yanikomeroglu, and Mohammad Javad Omid, “3D Array antenna architecture design for degrees of freedom optimization in near-space massive MIMO HAPS system”,

- *IEEE Transactions on Wireless Communications* (submission: 02 Dec 2024, unsubmission: 03 Dec 2024, submission: 03 Dec 2024 → **reject**: 14 Feb 2025).

[] Mustafa Ghaleb, Mohannad Obeed, Muhamad Felemban, Anas Chaaban, and Halim Yanikomeroglu, “Federated testing (FedTest): A new scheme to enhance convergence and mitigate adversarial attacks in federating learning”,

- *IEEE Communications Magazine* (submission: 07 Jul 2024 → **reject**: 30 Nov 2024).

[] Yujie Liu, Yong Liang Guan, David Gonzalez G., and Halim Yanikomeroglu, “DFT-Chirp-s-OFDM: A promising single-carrier chirping waveform for 6G”,

- *IEEE Wireless Communications Magazine* (submission: 15 Feb 2024 → **reject**: 05 Aug 2024).

[] Kursat Tekbiyik, Gunes Karabulut Kurt, Ali Riza Ekti, and Halim Yanikomeroglu, “Graph attention networks for channel estimation in RIS-assisted satellite IoT communications”,

- *IEEE Internet of Things Journal* (submission: 01 Apr 2021 → **reject**: 26 May 2021);
- *IEEE Access* (submission: 31 Aug 2021, returned: 14 Sep 2021);
- *IEEE Transactions on Green Communications and Networking* (submission: 16 Sep 2021 → **reject**: 29 Nov 2021);
- *IEEE Transactions on Aerospace and Electronics Systems* (submission: 26 Jan 2022, 1st results: 06 Apr 2022, 1st revision: 12 May 2022, 2nd results: 12 Jul 2022, 2nd revision: 23 Jul 2022 → **reject**: 13 Oct 2022);
- *IEEE Transactions on Vehicular Technology* (submission: 19 Oct 2022, 1st results: 07 Jan 2023, 1st revision: 26 Feb 2023, 2nd results: 07 May 2023, 2nd revision: 04 Jul 2023, 3rd results: 14 Sep 2023, 3rd revision: 25 Sep 2023 → **reject**: 30 Sep 2023);
- *IEEE Open Journal of the Communications Society* (submission: 24 Jun 2024 → **reject**: 25 Jul 2024).

[] Animesh Yadav and Halim Yanikomeroglu, “Cell-edge capacity improvement via FD-HAPS”,

- *IEEE Transactions on Wireless Communications* (submission: 22 Aug 2022, 1st results: 16 Nov 2022, 1st revision: 12 Jan 2023 → **reject**: 15 Mar 2023);
- *IEEE Transactions on Communications* (submission: 31 Dec 2023, 1st results: 03 Mar 2024 [due: 01 May 2024]).

[last contact: 03 Jan 2025; will submit in Spring 2025]

RESUBMITTED – UNDER REVIEW

[] Nadezhda Chukhno, Olga Vikhrova, Sergey Andreev, and Halim Yanikomeroglu, “Sampling and multi-hop transmission in NTN for energy-efficient and real-time remote tracking”,

- *IEEE Transactions on Vehicular Technology* (submission: 12 Aug 2024 → **reject**: 13 Jan 2025);
- *IEEE Transactions on Cognitive Communications and Networking* (submission: 02 May 2025 → **reject**: 15 Jul 2025);
- *IEEE Access* (submission: 29 Sep 2025).

[] Eylem Erdogan, Mohammed Elamassie, Ibrahim Altunbas, Gunes Karabulut Kurt, Murat Uysal, and Halim Yanikomeroglu, “A novel piecewise atmospheric attenuation model for free space optical links in vertical heterogeneous networks”,

- *IEEE Communications Magazine* (submission: 22 Mar 2024 → **reject**: 21 May 2024);
- *IEEE Aerospace and Electronic Systems Magazine* (submission: 01 Aug 2024 → **editor-reject**: 13 Sep 2024);
- *IEEE Vehicular Technology Magazine* (submission: 19 Sep 2024 → **reject**: 26 Feb 2025);
- *IEEE Vehicular Technology Magazine* (submission: 03 Sep 2025).

[] Osman Tokluoglu, Adem Cicek, Enver Cavus, Ebrahim Bedeer, and Halim Yanikomeroglu,

- “An efficiently optimized GRU based detector for faster-than-Nyquist signaling”, *IEEE Transactions on Communications* (submission: 13 Jan 2025 → **reject**: 30 Mar 2025);
- “GRU-based sequence detection for faster-than-Nyquist signaling”, *IEEE Open Journal of the Communications Society* (submission: 09 Apr 2025, unsubmission: 11 Apr 2025, submission: 13 Apr 2025, 1st results: 09 May 2025, 1st revision: 24 Jul 2025 → **reject**: 12 Aug 2025);
- *IEEE Open Journal of Vehicular Technology* (submission: 23 Aug 2025).

[] Nordine Quadar, Abdellah Chehri, Benoit Debaque, Halim Yanikomeroglu, and Gunes Karabulut Kurt, “Unseen signals, real threats: A comprehensive survey of AI generalization in RF fingerprinting for wireless security”,

- *IEEE Communications Surveys and Tutorials* (submission: 25 Jul 2025 → **desk-reject**: 26 Jul 2025, submission: 03 Aug 2025).

[] Animesh Yadav, Lavanya Anjapuli, and Halim Yanikomeroglu, “HAPS-Complemented Multi-User Multi-Cell Terrestrial Networks”,

- *Asilomar 2025* → **reject**;
- *Infocom 2025*.

[] Ahmet Melih Ince, Elif Ayse Canbilen, and Halim Yanikomeroglu, “AoI-aware HAPS-aided multi-agent framework for resource management in V2X networks”,

- *IEEE Transactions on Wireless Communications* (submission: 27 Jan 2025 → **reject**: 24 May 2025);
- *IEEE Transactions on Vehicular Technology* (submission: 10 Jul 2025).

[] Faical Khennoufa, Khelil Abdellatif, Halim Yanikomeroglu, Safwan Alfattani, Metin Ozturk, and Ferdi Kara, “Two-tier high altitude platform stations (HAPS) for exploring wireless energy harvesting”,

- *IEEE Transactions on Wireless Communications* (submission: 26 May 2024 → **reject**: 26 Dec 2024);
- *IEEE Transactions on Green Communications and Networking* (submission: 05 Feb 2025, unsubmission: 11 Feb 2025, submission: 13 Feb 2025 → **reject**: 07 May 2025);
- *IEEE Transactions on Sustainable Computing* (submission: 24 May 2025).

|| Mohammed Alouzi, Faisal Al-Kamali, Claude D'Amours, Francois Chan, and Halim Yanikomeroglu, "Novel RIS design with hybrid transceiver for mmWave MIMO systems",

- *IEEE Transactions on Wireless Communications* (submission: 24 Sep 2024 → **reject**: 24 Oct 2024);
 - *IEEE Transactions on Communications* (submission: 26 Jan 2025 → **reject**: 30 Mar 2025);
- Mohammed Alouzi, Faisal Al-Kamali, Francois Chan, Claude D'Amours, and Halim Yanikomeroglu, "New RIS design with hybrid transceiver for mmWave MIMO systems",
- *IEEE Transactions on Vehicular Technology* (submission: 22 Apr 2025).

|| Yuan Liao, Vasilis Friderikos, and Halim Yanikomeroglu, "Robotic aerial base stations with grasping capabilities: Beyond hovering for agile wireless connectivity",

- *IEEE Network Magazine* (submission: 01 Dec 2023 → **reject**: 12 Feb 2024);
- Wen Shang, Yuan Liao, Vasilis Friderikos, and Halim Yanikomeroglu, "Anchor-and-connect: Robotic aerial base stations transforming 6G infrastructure",
- *IEEE Vehicular Technology Magazine* (submission: 01 Jul 2024 → **reject**: 30 Oct 2024);
 - *IEEE Communications Standards Magazine* (submission: 02 Apr 2025).

|| Mohammad Reza Abedi, Nader Mokari, Mohammad Reza Javan, Hamid Saeedi, Eduard A. Jorswieck, and H. Yanikomeroglu, "Safety-aware value of information (S-Vol) for collision risk minimization in vehicular networks",

- *IEEE Transactions on Wireless Communications* (submission: 15 Jan 2024, 1st results: 26 Mar 2024, 1st revision: 19 May 2024 → **reject**: 01 Aug 2024);
- *IEEE Transactions on Vehicular Technology* (submission: 20 Aug 2024 → **reject**: 24 Feb 2025),
- *IEEE Transactions on Network and Service Management* (submission: 24 Mar 2025).

|| Esraa M. Ghourab, Wael Jaafar, Lina Bariah, Sami Muhaidat, and Halim Yanikomeroglu, "Interplay between physical layer security and blockchain technology for 5G and beyond: A comprehensive survey",

- *IEEE Communications Surveys and Tutorials* (submission: 15 Nov 2022 → **reject**: 11 Jan 2023);
- *IEEE Transactions on Network and Service Management* (submission: 06 Mar 2023 → **editor-reject**: 10 Mar 2023);
- *Proceedings of the IEEE* (submission: 24 Mar 2023 → **reject-and resubmit**: 04 Oct 2024). [[TechRxiv](#)]
- Esraa M. Ghourab, Wael Jaafar, Lina Bariah, Shimaa Naser, Halim Yanikomeroglu, Mahmoud Al-Qutayri, and Sami Muhaidat, *IEEE Open Journal of the Communications Society* (submission: 16 Feb 2025).

|| Hossein Asadollahi, Nader Mokari, Hamid Saeedi, and Halim Yanikomeroglu, "Enhancing indoor localization accuracy using a hybrid deep learning algorithm: A DNN-CNN approach",

- *IEEE Transactions on Communications* (submission: 23 Sep 2024 → **reject**: 22 Nov 2024).
- "Hybrid DNN-CNN architecture for precise indoor localization using cellular and Wi-Fi synergy",
- *IEEE Transactions on Vehicular Technology* (submission: 01 Jan 2025).
-

CLOSED WITH FAILURE

[] Islam Abu Mahady, Ebrahim Bedeer, Salama Ikki, and Halim Yanikomeroglu, “Joint optimization of power allocation and circularity coefficients in full-duplex NOMA relaying systems using improper Gaussian signaling”,

- *IEEE ICC 2022* → reject;
- “Optimized improper Gaussian signaling for cooperative full-duplex NOMA systems”, *IEEE Globecom 2022* → reject.

[] S. Fatemeh Bozorgi, S. Mohammad Razavizadeh, Mohsen Rezaee, and Halim Yanikomeroglu, “Enhancing connectivity for emergency vehicles through UAV trajectory and resource allocation optimization”,

- *IEEE Transactions on Communications* (submission: 30 Oct 2024 → reject: 04 Jan 2025).

Ready as a new submission: 30 Jan 2025; coauthorship withdrawn: 30 Jan 2025.

Mohsen Rezaee: ITRC

[] Rahman Saadat Yeganeh, Mohammad Javad Omid, Farshad Zeinali, Mohammad Robot Mili, Mohammad Ghavami, and Halim Yanikomeroglu, “Sum throughput maximization in symbiotic radio NOMA network assisted by active-STAR-RIS”,

- *IEEE Transactions on Vehicular Technology* (submission: 11 Apr 2024, unsubmission: 18 Apr 2024, submission: 20 Apr 2024 → reject: 03 Jun 2024);
- “QoS improvement in multi user cellular-symbiotic radio network assisted by active-STAR-RIS”, *IEEE Transactions on Cognitive Communications and Networking* (submission: 23 Jul 2024, 1st results: 29 Sep 2024, 1st revision: 04 Dec 2024, coauthorship withdrawn: 19 Jan 2025).

Farshad Zeinali and Mohammad Robot Mili: Pasargad Institute for Advanced Innovative Solutions (PIAIS)

[] Zahra Mohammadi, Amir Zaimbashi, and Halim Yanikomeroglu, “STBC-based spectrum sensing in uncalibrated multi-antenna cognitive radio networks”,

- *IEEE Communications Letters* (submission: 04 Jun 2024, unsubmission: 04 Jun 2024, submission: 06 Jun 2024 → reject: 08 Jul 2024).

[Self-plagiarism allegation]

[] Mojtaba Amiri, Elaheh Vaezpour, Sepideh Javadi, Mohammad Robot Mili, Halim Yanikomeroglu, and Mehdi Bennis, “Multi-objective optimization in STAR-RIS-aided SWIPT with RSMA via meta-learning”,

- *IEEE Transactions on Vehicular Technology* (submission: 13 Nov 2023 → reject: 03 Jan 2024);
- *IEEE Wireless Communications Letters* (submission: 11 Jan 2024 → reject: 28 Jan 2024); [[arXiv](#)]
- “Resource allocation in STAR-RIS-aided SWIPT with RSMA via meta-learning”, *IEEE Communications Letters* (submission: 24 Feb 2024, unsubmission: 29 Feb 2024, submission: 02 Mar 2024 → reject: 11 Apr 2024);
- *IEEE Globecom 2024* → reject;
- *IEEE Globecom Workshops 2024* → reject.

Concern: Elaheh Vaezpour: ICT, Iran

[] Mohamad Azizi, Farshad Zeinali, Mohammad Robot Mili, Saeed Shokrollahi, and Halim Yanikomeroglu, “Efficient AoI-aware resource management in VLC-V2X networks via multi-agent RL mechanism”,

- *IEEE Transactions on Vehicular Technology* (submission: 03 Oct 2023, 1st results: 13 Dec 2023, 1st revision: 10 Feb 2024, coauthorship withdrawn: 24 Feb 2024).

Named institution: Saeed Shokrollahi: Shahid Beheshti U, Iran

|| Han Yu, Xiaqing Miao, Shuai Wang, Gaofeng Pan, Jianping An, Tommy Svensson, Halim Yanikomeroglu, and Mohamed-Slim Alouini, “Enabling Internet surfing for civil aviation: The last piece of the data coverage puzzle”,

- *IEEE Wireless Communications Magazine* (submission: 26 Nov 2023 → **reject**: mid-February 2024, coauthorship withdrawn: 20 Feb 2024).

Named institution: Xiaqing Miao: Beijing Institute of Technology (BIT), China
Shuai Wang: Beijing Institute of Technology (BIT), China
Gaofeng Pan: Beijing Institute of Technology (BIT), China
Jianping An: Beijing Institute of Technology (BIT), China

|| Jing Guo, Salman Durrani, Xiangyun Zhou, Zesong Fei, and Halim Yanikomeroglu, “Design and performance analysis of cache-enabled multicast in UAV-assisted cellular networks”,

- *IEEE Transactions on Communications* (submission: 16 Aug 2023, unsubmission: 16 Aug 2023, submission: 24 August 2023, 1st results: 18 Nov 2023, 1st revision: 14 Jan 2024 → **accept**: 17 Feb 2024, coauthorship withdrawn:).

Named institution: Jing Gou: Beijing Institute of Technology (BIT), China
Zesong Fei: Beijing Institute of Technology (BIT), China

|| Shahla Mohsenifard, Ahmad R. Sharafat, and Halim Yanikomeroglu, “Joint power control, channel assignment and cell association in heterogeneous cellular networks”,

- *IEEE Communications Letters* (submission: 14 Jun 2020 → **reject**: 13 Jul 2020).

[**last contact**: 05 Nov 2023; Halim to Sharafat: inquiry (no answer)]

[**last contact**: 17 Dec 2023; Halim to Sharafat: inquiry (no answer)]

|| Gunes Karabulut Kurt, Ozan Alp Topal, Guillaume Lamontagne, and Halim Yanikomeroglu, “On the use of space relay satellites for space networks”,

- *IEEE Network Magazine* (submission: 31 Jan 2021 → **reject**: 01 Apr 2021).

[**last contact**: 08 Nov 2023; Gunes: close the file]

|| Inci Umakoglu, Mustafa Namdar, Arif Basgumus, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Bit error rate of the cooperative NOMA system with the i^{th} best relay selection”,

- *IEEE Communications Letters* (submission: 31 Oct 2022 → **reject**: 01 Dec 2022);
- *IEEE Access* (submission: 20 Jan 2023 → **reject**: 12 Feb 2023).

|| Faical Khennoufa, Khelil Abdellatif, Ferdi Kara, Hakan Kaya, Xingwang Li, Khaled Rabie, and Halim Yanikomeroglu “A hybrid energy harvesting protocol for cooperative NOMA: Error performance approach”,

- *IEEE Wireless Communications Letters* (submission: 28 Jun 2022 → **reject**: 26 Jul 2022);
- *IEEE Access* (submission: 31 Aug 2022 → **reject**: 07 Oct 2022);
- *IEEE Transactions on Green Communications and Networking* (submission: 20 Oct 2022 → **reject**: 03 Dec 2022).

|| Jean-Daniel Medjo Me Biomo, Halim Yanikomeroglu, and Gunes Karabulut Kurt, “Supervised learning for routing in satellite networks: A synthetic dataset generation framework based on flooding protocol”,

- *IEEE Transactions on Aerospace and Electronics Systems* (submission: 22 May 2021 → **reject**: 03 Aug 2021).

|| Omid Abbasi, Animesh Yadav, Halim Yanikomeroglu, Ngoc-Dung Dao, Gamini Senarath, and Peiying Zhu, “HAPS for 6G networks: Potential use cases, open challenges, and possible solutions”,

- *IEEE Young Scholars Competition on Non-Terrestrial Networks for B5G and 6G (NTNYS) 2022* → **reject**.

|| Jean-Daniel Medjo Me Biomo, Halim Yanikomeroglu, and Gunes Karabulut Kurt, “Routing in satellite networks: A comparison between monolithic and polythitic constellations”,

- *IEEE Consumer Electronics Magazine* (submission: 08 Mar 2021 → **editor-reject**: 11 Mar 2021; resubmission: 18 Mar 2021 → **reject**: 18 Apr 2021);

“Shortest-path routing in satellite networks: A comparison between monolithic and polythitic constellations”,

- *IEEE Access* (submission: 22 Jun 2021 → **reject**: 20 Jul 2021);
- *IEEE Access* (resubmission: 31 Jan 2022, 1st results: 09 Mar 2022).

|| Abolfazl Zakeri, Nader Mokari, and Halim Yanikomeroglu, “Joint radio resource allocation and 3D beamforming in MISO-NOMA-based networks: Profit maximization for mobile virtual network operators”,

- *IEEE Transactions on Communications* (submission: 19 Oct 2019 → **reject**: 01 Apr 2020).

|| Recep Ozdag and Halim Yanikomeroglu, “Optimal altitude selection of drone-BS to maximize coverage and 3D location optimization of multiple drone-BSs: A new metaheuristic approach”,

- *IEEE Access* (submission: 17 Oct 2020 → **reject**: 19 Nov 2020);
- *IEEE Sensors Journal* (submission: 04 Mar 2021 → **editor-reject**: 16 Mar 2021);
- *IEEE Access* (submission: 21 Mar 2021 → **editor-reject**: 24 Mar 2021).

|| Margarita Gapeyenko, Vitaly Petrov, Dmitri Moltchanov, Sergey Andreev, Yevgeni Koucheryavy, Mikko Valmaki, and Halim Yanikomeroglu, “Mission-critical UAV applications over integrated terrestrial and non-terrestrial 5G/5G+ networks”,

- *IEEE Vehicular Technology Magazine* (submission: 15 Oct 2018 → **reject**: 01 Jan 2019).

|| Faraj Lagum, Sebastian Szyszkowicz, and Halim Yanikomeroglu, “A metric for measuring the spatial relationship among the base stations and its applications”,

- *IEEE Trans. Wireless Communications* (submission: 06 Sep 2018 → **reject**: 07 Mar 2019).

|| Yaser – letter

|| Andrey Samuylov, Antonino Orsino, Dmitri Moltchanov, Sergey Andreev, Leonardo Militano, Giuseppe Araniti, Antonio Iera, Halim Yanikomeroglu, Markku Juntti, and Yevgeni Koucheryavy, “On tighter user involvement in multi-connectivity 5G scenarios with access infrastructure mobility”,

- *IEEE Journal on Selected Areas in Communications* (submission: 22 Sep 2016).

|| Nima Palizban

|| Hasan Basri Celebi, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “Efficient sampling strategies for massive IoT systems”,

- *IEEE Communications Magazine* (submission: 26 Jun 2016).

|| Amr El-Keyi and Halim Yanikomeroglu, “Optimal mitigation of cross-tier and full-duplex interference in heterogeneous networks”,

- *IEEE Transactions on Communications* (submission: 26 Mar 2016).

|| Mohamed Rashad Salem, Abdulkareem Adinoyi and Halim Yanikomeroglu, “Distributed resource allocation for device-type relay nodes in OFDMA-based fixed relay networks,”

- *IEEE Transactions on Vehicular Technology* (submission: 22 Sep 2015).

I Gencer Cili, Halim Yanikomeroglu, and F. Richard Yu, “Adaptive estimation, prediction and feedback reporting schemes for improved capacity and energy efficiency in coordinated multi-point (CoMP) networks”,

- *IEEE Access* (submission: 10 Sep 2015).

CLOSED WITH SUCCESS

|| Youssra Cheriguene, Wael Jaafar, Halim Yanikomeroglu, and Chaker Abdelaziz Kerrache, “Federated learning in UAV-assisted MEC systems: Definition, taxonomy, and critical review”,

- *IEEE Communications Surveys and Tutorials* (submission: 19 July 2024, EiC comments: 20 Jul 2024, unsubmission: 20 Jul 2024);
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