

**TO BE SUBMITTED** – 22 Apr 2025

Melih – PIMRC 2025

Ryan – PIMRC 2025

Wafa – PIMRC 2025

Zichao – PIMRC 2025

Maryam + Metin – PIMRC 2025

Osman Tokluoglu – PIMRC 2025

Parisa – PIMRC 2025

Bilal – PIMRC 2025

Osman 2 – PIMRC 2025

Parisa 2 – PIMRC 2025

Jintao – GC 2025

Maryam (with Dr. Amir & Professor Kaddoum) – GC 2025

Amin – GC 2025

Amin & Hongzhao – GC 2025

Yin – GC 2025

Faisal + Alouzi – GC 2025

Hongzhao – GC 2025

**[P01]** Afsoon + Animesh | Distributed beamforming design in an integrated HAPS-terrestrial network using the two-level distributed algorithm | transaction

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

**[P03]** Afsoon + HAPS Alliance | 6G-HAPS

**[P04]** Afsoon + Honeywell

**[P05]** Rozita + Omid | DoF

**[P06]** Yin Lee | transactions

**[P07]** Hongzhao | transactions

**[P09]** Ethan + Pablo | journal

**[P10]** Maryam + Metin | rejected GC2024 + solar panel based BS → transactions

**[P11]** Maryam + Metin | HAPS + IRS + cell switching → transactions

**[P12]** Metin + Mallik | magazine

**[P13]** Wafa | Paper 2 | RL to dynamically reassign controllers to LEOs to reduce latency. The goal is to continuously learn from the environment to adjust assignments based on the dynamic movement of LEOs.

**[P14]** Wafa | Paper 3 | clustering algorithm to find the optimal number of SDN controllers to reduce latency and improve QoS in satellite communications | early 2025.

- [P15] Wafa | Paper 4 | RL to balance the load for distributed SDN controllers.
- [P16] Benoit + Pablo + Juan | ICC2024W + MECOM 2024 → transactions
- [P17] Dhiraj | conference
- [P18] 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
- [P19] Bilal | HAPS-RIS | letter / conference
- [P20] Bilal | HAPS-RIS | transactions
- [P21] Mahyoub | ICC 2025 → journal 2
- [P22] Elham | conf
- [P23] Elham | journal
- [P24] Zichao + Melda + Gonensin | magazine
- [P25] Zichao + Melda + Gonensin | TWC 3
- [P26] Faical | 1) Ad hoc UAV with EH using NOMA and RSMA
- [P27] Faical | 2) Hemispherical RIS for NTN (WCNC 2025 extension?)
- [P28] Metin | HAPS survey
- [P29] Alouzi 3 | D2D
- [P30] Amin + Hongzhao + CRC | spectrum | magazine
- [P32] Mohanad | GC2024 → journal
- [P33] Omid | TWC#3 (?)
- [P34] Saleh Yousefi
- [P35] Osman Tokluoglu + Bedeer + AYBU | CNN
- [P36] Jintao | mathematical formulation and min-max power optimization for green TE SRv6 to identify energy-efficient path and explore the trade-off between power and latency | ICC2025 workshop → journal
- [P38] Metin + Gorkem + Berkay + Handan | ICC 2024 → journal
- [P39] Metin + Gorkem + Berkay + Handan | magazine
- [P40] Metin + Gorkem + Berkay + Afsoon | magazine → 4 technical paper, one for each scenario

[P43] Mouhamed Abdulla (Sheridan) | magazine/survey (Sat-IoT)

[P44] Maryam + Gadallah | magazine

[P45] Ethan + Elham + Pablo | magazine 2

[P46] Tuheen + Adnan | magazine (Ericsson management's permission needed)

[P47] Khaled | DmMIMO SatNet

[P48] Faical + Safwan | magazine

[P49] Mohsen Rahmani | Access

[P01] Tasneem | transactions (controller placement)

OJCOMS invited

- Mahyoub | 1) ICC 2025, 2) journal
- Dhiraj | 1) wrap up current work with a short paper, 2) working with Abhishek to reduce search space
- Bilal | 1) HAPS-RIS, 2) HAPS-RIS EE
- Rozita | TWC2
- Ethan | 1) ICC 2025, 2) journal?
- Maryam | 1) journal with Amir, 2) GC → journal with Metin
- Omid | 1) ICC 2025
- Zichao | working on transactions paper
- Amin | CRC business
- Alouzi | working on D2D transactions paper
- Afsoon | 1) magazine is ready, 2) transactions in progress, 3) ICC 2025 or letter
- Jintao | ICC 2025
- Melih | working on MASc
- Elham | working on conf paper; then journal
- Wafa | ICC 2025
- Yin | ICC 2025
- Hongzhao | working on ICC 2024 extension
- Omid | monthly meetings resuming
- Benoit (Pablo) | transactions (ICC2025?)
- Faical | UAV ad hoc non-linear network energy harvesting | transaction
- Mohamad Alkadamani | 1) ICC 2025, 2) transactions

## TO BE RESUBMITTED

[ ] 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);
- *IEEE Transactions on Emerging Topics in Computational Intelligence* (submission: 20 Jul 2024 → **reject**: 03 Mar 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).

[] 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).

[] 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).

[] Maryam Salamatmoghadas, Metin Ozturk, and Halim Yanikomeroglu, “Novel methods for load estimation in cell switching in HAPS-assisted sustainable 6G networks”,

- *IEEE ICC 2024 Workshops* → **reject**;
- “Addressing the load estimation problem: Cell switching in HAPS-assisted sustainable 6G networks”, *IEEE Globecom 2024* → **reject**. [[arXiv](#)]

[] Yujie Liu, Yong Liang Guan, David Gonzalez G., and Halim Yanikomeroglu, “DFT-Chirp-s-OFDM: A promising single-carrier chirping waveform for 6G”, under review in *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, 1<sup>st</sup> results: 06 Apr 2022, 1<sup>st</sup> revision: 12 May 2022, 2<sup>nd</sup> results: 12 Jul 2022, 2<sup>nd</sup> revision: 23 Jul 2022 → **reject**: 13 Oct 2022);
- *IEEE Transactions on Vehicular Technology* (submission: 19 Oct 2022, 1<sup>st</sup> results: 07 Jan 2023, 1<sup>st</sup> revision: 26 Feb 2023, 2<sup>nd</sup> results: 07 May 2023, 2<sup>nd</sup> revision: 04 Jul 2023, 3<sup>rd</sup> results: 14 Sep 2023, 3<sup>rd</sup> 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, 1<sup>st</sup> results: 16 Nov 2022, 1<sup>st</sup> revision: 12 Jan 2023 → **reject**: 15 Mar 2023);
- *IEEE Transactions on Communications* (submission: 31 Dec 2023, 1<sup>st</sup> results: 03 Mar 2024 [due: 01 May 2024]).

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

[] 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**.  
[last contact: 27 Jul 2024]

## RESUBMITTED – UNDER REVIEW

|| 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).

|| 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).

|| 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).

|| Zichao Zhang, Melda Yuksel, Gokhan M. Guvensen, and Halim Yanikomeroglu, “PAPR analysis for MIMO FTN signaling with Gaussian symbols”,

- *IEEE ISIT*;
- *PIMRC 2025*.

|| Wafa Hasanain, Pablo Madoery, Halim Yanikomeroglu, Gunes Karabulut Kurt, Sameera Siddiqui, Stéphane Martel, Khaled Ahmed, and Colin Bellinger, “Dynamic assignment and activation of SDN controllers in LEO satellite constellations”,

- *ICC 2025*;
- *ICC 2025 Workshops*;
- *PIMRC 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).

|| 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-VoI) for collision risk minimization in vehicular networks”,

- *IEEE Transactions on Wireless Communications* (submission: 15 Jan 2024, 1<sup>st</sup> results: 26 Mar 2024, 1<sup>st</sup> 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, Shima Naser, Halim Yanikomeroglu, Mahmoud Al-Qutayri, and Sami Muhaidat, *IEEE Open Journal of the Communications Society* (submission: 16 Feb 2025).

|| Mohammed Mahyoub, Sami Muhaidat, Halim Yanikomeroglu, and Gunes Karabulut Kurt, “Risk-aware slicing-based security functions allocation in LEO satellite networks”,

- *ICC 2025*;
- *IWCMC 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).

|| Tuheen Ahmmed, Adnan Kiayani, and Halim Yanikomeroglu, “Effective digital PIM cancellation in multi-band MIMO FDD radios in 5G and beyond”,

- *IEEE Microwave and Wireless Technology Letters* (submission: 19 Nov 2023 → **reject**: 03 Jan 2024);
- *IEEE Communications Letters* (submission: 07 May 2024, withdrawal: 07 May 2024);
- *IEEE Wireless Communications Letters* (submission: 07 May 2024 → **reject**: 06 Jun 2024);
- *IEEE Communications Letters* (submission: 23 Aug 2024, unsubmission: 24 Aug 2024, submission: 02 Sep 2024, unsubmission: 02 Sep 2024, submission: 06 Sep 2024 → **editor-reject**: 09 Sep 2024);
- *IEEE Transactions on Vehicular Technology* (submission: 09 Sep 2024, 1<sup>st</sup> results: 15 Jan 2025 [due: 12 May 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).

|| 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).

|| 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, 1<sup>st</sup> results: 29 Sep 2024).
-

## CLOSED WITH FAILURE

[] 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 Ghayami, and Halim Yanikomeroglu, “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, 1<sup>st</sup> results: 29 Sep 2024, 1<sup>st</sup> 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, 1<sup>st</sup> results: 13 Dec 2023, 1<sup>st</sup> 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



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

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

|| Abolfazl Zakari, 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 Valmaka, 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).

|| 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

[] Janaki Parekh, Elizabeth Yaacoboski, Amir Ghasemi, and Halim Yanikomeroglu, “Modeling local demand for mobile spectrum: An interpretable machine learning approach”,

- *IEEE Open Journal of the Communications Society* (submission: 18 Dec 2024, 1<sup>st</sup> results: 18 Jan 2025, 1<sup>st</sup> revision: 15 Mar 2025, 2<sup>nd</sup> results: 31 Mar 2025, 2<sup>nd</sup> revision: 14 Apr 2025 → **accept**: 15 Apr 2025).

[] Ryan G. Dempsey, Jonathan Ethier, and Halim Yanikomeroglu, “Path loss prediction using deep learning”,

- *IEEE Antennas and Wireless Propagation Letters* (submission: 25 Nov 2024, 1<sup>st</sup> results: 30 Dec 2024, 1<sup>st</sup> revision: 13 Jan 2025, 2<sup>nd</sup> results: 10 Feb 2025, 2<sup>nd</sup> revision: 18 Feb 2025, 3<sup>rd</sup> results: 13 Mar 2025, 3<sup>rd</sup> revision: 14 Mar 2025 → **accept**: 21 Mar 2025). [[arXiv](#)]

[] Metin Ozturk, Maryam Salamathoghadas, and Halim Yanikomeroglu, “Integrating terrestrial and non-terrestrial networks for sustainable 6G operations: A latency-aware multi-tier cell-switching approach”,

- *IEEE Network Magazine* (submission: 02 Oct 2024, unsubmission, submission: 09 Oct 2024, 1<sup>st</sup> results: 07 Jan 2025, 1<sup>st</sup> revision: 11 Feb 2025, 2<sup>nd</sup> results: 02 Mar 2025, 2<sup>nd</sup> revision: 15 Mar 2025 → **accept**: 18 Mar 2025).

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

- *ICC 2025*;

Colin Brown, Mohamad Alkadamani, and Halim Yanikomeroglu, “AI-enabled data-driven intelligence for spectrum demand estimation”,

- *ICC 2025 Workshops*.

[] Omid Abbasi, Georges Kaddoum, and Halim Yanikomeroglu, “An AI-enabled multicarrier hybrid beamforming for HAPS with hemispherical array antenna”,

- *ICC 2025*;

- *ICC 2025 Workshops*.

[] Jintao Liang, Pablo Madoery, Chung-Horng Lung, Halim Yanikomeroglu, and Gunes Karabulut Kurt, “Green satellite network analysis using segment routing and software-defined networks”,

- *ICC 2025*;

- *ICC 2025 Workshops*.

[] Amin Farajzadeh, Animesh Yadav, and Halim Yanikomeroglu, “Self-evolving integrated vHetNets for 6G: A multi-tier HFL approach”,

- *IEEE Wireless Communications Magazine* (submission: 01 May 2023, unsubmission: 03 May 2023, submission: 07 May 2023 → **reject**: 04 Sep 2023); [[arXiv](#)] [[ResearchGate](#)]

- “Multi-tier hierarchical federated learning-assisted NTN for intelligent IoT services”, *IEEE Network Magazine* (submission: 30 Nov 2023 → **reject**: 06 Feb 2024);

- “Federated learning in NTNs: Design, architecture, and challenges”, *IEEE Communications Magazine* (submission: 07 Sep 2024, unsubmission: 09 Sep 2024, submission: 13 Sep 2024, 1<sup>st</sup> results: 12 Jan 2025, 1<sup>st</sup> revision: 26 Feb 2025 → **accept**: 02 Mar 2025).

[] Afsoon Alidadi Shamsabadi, Animesh Yadav, and Halim Yanikomeroglu, “Interference management strategies in HAPS-enabled vHetNets in urban deployments”,

- *IEEE Communications Standards Magazine* (submission: 19 Dec 2024, 1<sup>st</sup> results: 14 Feb 2025, 1<sup>st</sup> revision: 28 Feb 2025 → **accept**: 02 Mar 2025). [[arXiv](#)] [[ResearchGate](#)]

[] Mohammad Ravan, Foroogh S. Tabatabai, Mohammad Sadegh Fazel, and Halim Yanikomeroglu, “Enhancing spectral efficiency: The impact of RIS elements association on multi-user cell-free wireless networks”,

- *IEEE Open Journal of the Communications Society* (submission: 13 Nov 2024, 1<sup>st</sup> results: 19 Dec 2024, 1<sup>st</sup> revision: 25 Jan 2025, 2<sup>nd</sup> results: 12 Feb 2025, 2<sup>nd</sup> revision: 26 Feb 2025 → **accept**: 24 Feb 2025).

[] Faical Khennoufa, Khelil Abdellatif, Halim Yanikomeroglu, Metin Ozturk, Taissir Elganimi, Ferdi Kara, and Khaled Rabie, “A Multi-layer non-terrestrial networks architecture for 6G and beyond under realistic conditions and with practical limitations”,

- *IEEE Internet of Things Magazine* (submission: 24 Sep 2024, 1<sup>st</sup> results: 24 Nov 2024, 1<sup>st</sup> revision: 18 Dec 2024, 2<sup>nd</sup> results: 17 Jan 2025, 2<sup>nd</sup> revision: 31 Jan 2025, 3<sup>rd</sup> results: 17 Feb 2025, 3<sup>rd</sup> revision: 20 Feb 2025 → **accept**: 21 Feb 2025).

[] Yujie Liu, Yong Liang Guan, David Gonzalez G., and Halim Yanikomeroglu, “Chirped DFT-s-OFDM: A new single-carrier waveform with enhanced LMMSE noise suppression”,

- *IEEE Transactions on Vehicular Technology* (submission: 10 Aug 2024, 1<sup>st</sup> results: 25 Sep 2024, 1<sup>st</sup> revision: 27 Nov 2024, 2<sup>nd</sup> results: 16 Jan 2025, 2<sup>nd</sup> revision: 16 Feb 2025 → **accept**: 17 Feb 2025).

[] Muhammad Ali Jamshed, Bushra Haq, Muhammad Ahmed Mohsin, Ali Nauman, and Halim Yanikomeroglu, “Artificial intelligence, ambient backscatter communication and non-terrestrial networks: A 6G commixture”,

- *IEEE Internet of Things Magazine* (submission: 27 Oct 2024, 1<sup>st</sup> results: 01 Dec 2024, 1<sup>st</sup> revision: 17 Dec 2024 → **accept**: 09 Jan 2025).

[] Afsoon Alidadi Shamsabadi, Animesh Yadav, Yasser Gadallah, and Halim Yanikomeroglu, “Exploring the 6G potentials: Immersive, hyperreliable, and low-latency communication”,

- *IEEE Vehicular Technology Magazine* (submission: 29 Jun 2024, 1<sup>st</sup> results: 30 Oct 2024, 1<sup>st</sup> revision: 29 Nov 2024 → **accept**: 08 Jan 2025).

[] Hui Xu, Benjamin K. Ng, Chan-Tong Lam, and Halim Yanikomeroglu, “The ergodic capacity of the SWIPT-cooperative NOMA-FTN system”,

- *IEEE Open Journal of the Communications Society* (submission: 09 Apr 2024, 1<sup>st</sup> results: 03 May 2024, 1<sup>st</sup> revision: 25 Jun 2024 → **reject**: 18 Jul 2024);

“FTN-assisted SWIPT-NOMA design for IoT wireless networks: A paradigm in wireless efficiency and energy utilization”,

- *IEEE Sensors Journal* (submission: 08 Aug 2024, 1<sup>st</sup> results: 08 Oct 2024, 1<sup>st</sup> revision: 20 Nov 2024, 2<sup>nd</sup> results: 11 Dec 2024, 2<sup>nd</sup> revision: 28 Dec 2024 → **accept**: 29 Dec 2024).

[] Wen Shang, Yuan Liao, Vasilis Friderikos, and Halim Yanikomeroglu, “Robotic aerial base station assisted integrated access and backhaul networks with hop constraints”,

- *IEEE ICC 2024* → **reject**;
- *IEEE PIMRC 2024* → **reject**;
- “Joint robotic aerial base station deployment and wireless backhauling in 6G multi-hop networks”, *IEEE Globecom 2024* → **reject**;
- “Integrated robotic aerial base stations deployment and backhaul design in 6G multihop networks”, *IEEE WCNC 2025* → **accept**.

[] Zichao Zhang, Melda Yuksel, Halim Yanikomeroglu, Benjamin Ng, and Chan-Tong Lam, “Maximum channel coding rate of finite block length MIMO faster-than-Nyquist signaling”,

- *IEEE Communications Letters* (submission: 16 Nov 2023, unsubmission: 17 Nov 2023, submission: 17 Nov 2023, 1<sup>st</sup> results: 18 Dec 2023, 1<sup>st</sup> revision: 04 Feb 2024 → **reject**: 27 Feb 2024);
- *IEEE Wireless Communications Letters* (submission: 13 Mar 2024 → **reject**: 30 Apr 2024);
- *IEEE Globecom 2024* → **reject**;
- *IEEE WCNC 2025* → **accept**.

|| Faical Khennoufa, Abdellatif Khelil, Halim Yanikomeroglu, Metin Ozturk, Taissir Y. Elganimi, and Ferdi Kara, “Multi-layer network formation through HAPS base station and transmissive RIS-equipped UAV”,

- *IEEE Globecom 2024* → **reject**. [[arXiv](#)]
- *IEEE WCNC 2025*.

|| Elham Younesian, Ethan Fettes, Pablo G. Madoery, Jiri Hosek, and Halim Yanikomeroglu, “Guardians of connectivity: Navigating and mitigating non-malicious disruptions in satellite networks”,

- *IEEE Aerospace and Electronic Systems Magazine* (submission: 10 Jan 2024, 1<sup>st</sup> results: 24 Apr 2024, 1<sup>st</sup> revision: 08 Jun 2024, 2<sup>nd</sup> results: 12 Sep 2024, 2<sup>nd</sup> revision: 25 Oct 2024 → **accept**: 12 Dec 2024).

|| Berk Ciloglu, Gorkem Berkay Koc, Afsoon Alidadi Shamsabadi, Metin Ozturk, and Halim Yanikomeroglu, “Strategic demand-planning in wireless networks: Can generative-AI save spectrum and energy?”,

- *IEEE Communications Magazine* (submission: 01 Jul 2024, 1<sup>st</sup> results: 19 Aug 2024, 1<sup>st</sup> revision: 02 Oct 2024, 2<sup>nd</sup> results: 02 Nov 2024, 2<sup>nd</sup> revision: 15 Nov 2024 → **accept**: 27 Nov 2024).

|| Zahra Khodadadi, Foroogh S. Tabataba, Mohammad Sadegh Fazel, Mehdi Naderi Soorki, and Halim Yanikomeroglu, “Cross-tier resource allocation in space-air-ground integrated networks for internet of remote things”,

- *IEEE Internet of Things Journal* (submission: 30 Sep 2023 → **reject**: 08 Nov 2023); [[TechRxiv](#)]
- “Improving IoRT networks: Cross-tier resource allocation for multi-antenna UAV relays in SAGIN”, *IEEE Transactions on Communications* (submission: 11 Mar 2024 → **reject**: 02 Jul 2024);
- *IEEE Access* (submission: 27 Jul 2024, 1<sup>st</sup> results: 13 Sep 2024, 1<sup>st</sup> revision: 23 Oct 2024 → **accept**: 21 Nov 2024).

|| Wen Shang, Yuan Liao, Vasilis Friderikos, and Halim Yanikomeroglu, “Unlocking sub-THz by robotic aerial base stations: Joint deployment and wireless backhaul routing”,

- *IEEE Open Journal of the Communications Society* (submission: 29 Jul 2024, 1<sup>st</sup> results: 10 Sep 2024, 1<sup>st</sup> revision: 01 Nov 2024 → **accept**: 17 Nov 2024).

|| Mohamed Alouzi, Halim Yanikomeroglu, and Gunes Karabulut Kurt, “Adaptive phase shifters for hybrid beamforming in mm-wave systems”,

- *IEEE Transactions on Wireless Communications* (submission: 05 Jun 2024, unsubmission: 05 Jun 2024, submission: 11 Jun 2024, unsubmission: 11 Jun 2024, submission: 14 Jun 2024 → **reject**: 20 Aug 2024);
- *IEEE Transactions on Wireless Communications* (submission: 12 Sep 2024 → **accept**: 15 Nov 2024).

|| Nazanin Kalantarinejad, Dariush Abbasi-Moghadem, and Halim Yanikomeroglu, “Spectral efficiency and energy efficiency tradeoff in multiuser RIS-aided mobile edge computing networks”,

- *IEEE Open Journal of the Communications Society* (submission: 01 Jun 2024, 1<sup>st</sup> results: 26 Jun 2024, 1<sup>st</sup> revision: 04 Sep 2024, 2<sup>nd</sup> results: 12 Oct 2024, 2<sup>nd</sup> revision: 25 Oct 2024, → **accept**: 06 Nov 2024).

|| Mehmet A. Kucuk, Cenk Albayrak, Kadir Turk, and Halim Yanikomeroglu, “Optical filter design for multi-color VLC in reflective environments with multiple lighting sources”,

- *IEEE Sensors Journal* (submission: 30 Jul 2024 → **editor-reject**: 14 Aug 2024);
- *IEEE/OSA Journal of Optical Communications and Networking* (submission: 15 Aug 2024) → **editor-reject**: 22 Aug 2024;
- *IEEE Access* (submission: 26 Aug 2024, unsubmission: 03 Sep 2024, submission: 03 Sep 2024, 1<sup>st</sup> results: 17 Sep 2024, 1<sup>st</sup> revision: 13 Oct 2024 → **accept**: 28 Oct 2024)

|| Omid Abbasi, Halim Yanikomeroglu, and Georges Kaddoum, “Hemispherical antenna array architecture for high-altitude platform stations (HAPS) for uniform capacity provision”,

- *IEEE Transactions on Wireless Communications* (submission: 15 Nov 2023, unsubmission: 16 Nov 2023, submission: 17 Nov 2023, 1<sup>st</sup> results: 25 Mar 2024, 1<sup>st</sup> revision: 21 May 2024, 2<sup>nd</sup> results: 24 Jul 2024, 2<sup>nd</sup> revision: 02 Aug 2024 → **accept**: 11 Oct 2024). [[arXiv](#)]

|| Mehdi Fasanghari, Mohammad Akbari, Mohsen Pourghasemian, Mohammad R. Maleki, Mohammad R. Abedi, Nader Mokari, and Halim Yanikomeroglu, “Dynamic pricing in multi-domain multi-tenant MANO with lease transfer capability”,

- *IEEE Transactions on Network and Service Management* (submission: 04 Jul 2022 → **reject**: 25 Sep 2022).

Mohammad Reza Abedi, Mehdi Fasanghari, Mohammad Akbari, Nader Mokari, and Halim Yanikomeroglu, “Dynamic pricing in multi-domain multi-tenant MANO with lease transfer (resource sharing) capability: A two-stage multi-leader multi-follower Stackelberg game approach”

- *IEEE Open Journal of the Computer Society* [submitted by mistake] (submission: 02 Jul 2022, unsubmission: 02 Jul 2024);
- *IEEE Open Journal of the Communications Society* (submission: 04 Jul 2022, unsubmission: 04 Jul 2024, submission: 06 Jul 2024, 1<sup>st</sup> results: 28 Jul 2024, 1<sup>st</sup> revision: 13 Sep 2024, 2<sup>nd</sup> results, 2<sup>nd</sup> revision: 15 Sep 2024 → **accept**: 06 Oct 2024).

|| Mojtaba Miraghajanian, Javad Sobouti, Amirhossien Mohajerzadeh, and Halim Yanikomeroglu, “High-rate and low-latency transmission in two-tier cooperative narrowband Internet-of-Things and Bluetooth low-energy networks”,

- *IEEE Systems Journal* (submission: 07 Nov 2022 → **reject**: 02 Jan 2023);

Mohammad Javad Sobouti, Mojtaba Miraghajanian, Amirhossein Mohajerzadeh, Haitham Adarbah, and Halim Yanikomeroglu,

- *IEEE Sensors Journal* (submission: 06 Jun 2023 → **editor-reject**: 12 Jun 2023);
- *IEEE Transactions on Network and Service Management* (submission: 19 Jun 2023 1<sup>st</sup> results: 07 Oct 2023, ? → **reject**: 10 Apr 2024);

Mohammad Javad Sobouti, Haitham Adarbah, Mojtaba Miraghajanian, Amirhossein Mohajerzadeh, M. Qazani, and Halim Yanikomeroglu, “Cooperative high-rate and low-latency transmission, employing two-tier narrow-band Internet-of-things and Bluetooth low-energy networks”,

- *IEEE Open Journal of the Communications Society* (submission: 14 May 2024, unsubmission: 14 May 2024, submission: 26 May 2024, 1<sup>st</sup> results: 23 Jun 2024, 1<sup>st</sup> revision: 19 Aug 2024, unsubmission: 19 Aug 2024, submission: 23 August 2024, submission: 26 August 2024 → **accept**: 14 Sep 2024).

|| Yekaterina Sadovaya, Olga Vikhrova, Sergey Andreev, and Halim Yanikomeroglu, “Enhancing service continuity in non-terrestrial networks via multi-connectivity offloading”,

- *IEEE Communications Letters* (submission: 07 Mar 2024, unsubmission: 08 Mar 2024, submission: 18 Mar 2024, 1<sup>st</sup> results: 19 Apr 2024, 1<sup>st</sup> revision: 02 Jul 2024 → **accept**: 18 Jul 2024).

|| Reza Ghasemi Alavicheh, S. Mohammad Razavizadeh, and Halim Yanikomeroglu, “Integrated access and backhaul on low altitude platforms”,

- *IEEE Transactions on Vehicular Technology* (submission: 29 Dec 2023, unsubmission: 02 Jan 2024, submission: 03 Jan 2024 → **reject**: 26 Mar 2024);
- *IEEE Open Journal of the Communications Society* (submission: 19 Apr 2024, 1<sup>st</sup> results: 08 May 2024, 1<sup>st</sup> revision: 03 Jul 2024, 2<sup>nd</sup> results: 11 Jul 2024, 2<sup>nd</sup> revision: 17 Jul 2024 → **accept**: 18 Jul 2024).

|| Janaki Parekh, Amir Ghasemi, and Halim Yanikomeroglu, “DeepSpectrum: A localized demand estimation model for mobile spectrum using deep learning”,

- *IEEE ICC 2024* → **reject**;
- *IEEE ICC 2024 Workshops* → **reject**;
- *IEEE VTC2024-Fall* → **accept**.

|| Rozita Shafie, Mohammad Javad Omid, Omid Abbasi, and Halim Yanikomeroglu, “MIMO-NOMA enabled sectorized cylindrical massive antenna array for HAPS with spatially correlated channels”,

- *IEEE PIMRC 2023* → **reject**,
- *IEEE Transactions on Wireless Communications* (submission: 11 Aug 2023 → **reject**: 21 Oct 2023);
- *IEEE Transactions on Wireless Communications* (submission: 23 Jan 2024, unsubmitted: 24 Jan 2024, submitted: 25 Jan 2024, 1<sup>st</sup> results: 16 Mar 2024, 1<sup>st</sup> revision: 12 May 2024 → **accept**: 25 Jun 2024).

|| Gholamreza Bagherian, Nader Mokari, Bijan Abbasi Arand, K. C. Ho, and Halim Yanikomeroglu, “A closed-form method with low noise sensitivity for locating a moving source at a known altitude”,

- *IEEE Transactions on Aerospace and Electronic Systems* (submission: 18 Dec 2023, unsubmission: 22 Dec 2023, submission: 24 Dec 2023, 1<sup>st</sup> results: 24 Mar 2024, 1<sup>st</sup> revision: 07 May 2024 → **accept**: 23 Jun 2024).

|| Berk Ciloglu, Gorkem Berkay Koc, Metin Ozturk, and Halim Yanikomeroglu, “Cell switching in HAPS-aided networking: How the obscurity of traffic loads affects the decision”,

- *IEEE Wireless Communications Letters* (submission: 13 Dec 2023 → **editor-reject**: 13 Dec 2023);
- *IEEE Transactions on Vehicular Technology* (submission: 15 Dec 2023, 1<sup>st</sup> results: 28 Feb 2024, 1<sup>st</sup> revision: 29 Apr 2024 → **accept**: 18 Jun 2024). [[arXiv](#)] [[ResearchGate](#)]

|| Dhiraj Bhattacharjee, Pablo G. Madoery, Aizaz U. Chaudhry, Halim Yanikomeroglu, Gunes Karabulut Kurt, Peng Hu, Khaled Ahmed, and Stephane Martel, “On-demand routing in LEO mega-constellations with dynamic laser inter-satellite links”,

- *IEEE Transactions on Aerospace and Electronic Systems* (submission: 29 Sep 2023, 1<sup>st</sup> results: 09 Dec 2023, 1<sup>st</sup> revision: 23 Jan 2024, 2<sup>nd</sup> results: 18 Mar 2024, 2<sup>nd</sup> revision: 01 May 2024 → **accept**: 02 Jun 2024).

|| Bilal Karaman, Ilhan Basturk, Sezai Taskin, Ferdi Kara, Engin Zeydan, and Halim Yanikomeroglu, “Enhancing resiliency of integrated space-air-ground-sea networks with renewable energies: A use case after the Türkiye earthquake”,

- *IEEE Communications Magazine* (submission: 08 Aug 2023, 1<sup>st</sup> results: 13 Oct 2023, 1<sup>st</sup> revision: 26 Nov 2023, 2<sup>nd</sup> results: 15 Dec 2023, 2<sup>nd</sup> revision: 26 Dec 2023 → **reject**: 11 Feb 2024 → **accept**: 22 May 2024).

|| Elham Kalantari, Sergey Loyka, Halim Yanikomeroglu, and Abbas Yongacoglu, “On optimal location of base stations”,

- *IEEE Transactions on Wireless Communications* (submission: 28 Dec 2018 → **reject**: 16 Mar 2019); “Optimal location of cellular base stations via convex optimization”,

- *IEEE Transactions on Wireless Communications* (resubmission: 02 Apr 2021 → **reject**: 24 Jul 2021);
- *IEEE Transactions on Vehicular Technology* (submission: 30 Oct 2021, 1<sup>st</sup> results: 15 Apr 2022, 1<sup>st</sup> revision: 09 Jun 2022 → **reject**: 03 Aug 2022, 1<sup>st</sup> appeal: 01 Sep 2022, 2<sup>nd</sup> appeal: 14 Nov 2022 → **reject**: 15 Nov 2022);

Elham Kalantari, Sergey Loyka, and Halim Yanikomeroglu, “Optimal location of cellular base stations via convex optimization: An analytical framework and numerical algorithms,

- *IEEE Access* (submission: 26 Nov 2022, 1<sup>st</sup> results: 08 Dec 2022, 1<sup>st</sup> revision: 30 Dec 2023, unsubmission: 10 Jan 2024, submission: 13 Jan 2024, 2<sup>nd</sup> results: 23 Feb 2024, 2<sup>nd</sup> revision: 19 Apr 2024 → **accept**: 20 May 2024).

|| Hongzhao Zheng, Mohamed Atia, and Halim Yanikomeroglu, “Realistic channel coefficient and delay generation for dual mobile space-ground links – A tutorial”,

- *PIMRC 2023 Workshops* → **reject**;
- *IEEE Open Journal of the Communications Society* (submission: 30 August 2023, unsubmission: 01 Sep 2023, submission: 01 Sep 2023 → **reject**: 28 Sep 2023);
- “Realistic channel and delay coefficient generation for dual mobile space-ground links – A tutorial”, *IEEE Open Journal of Vehicular Technology* (submission: 10 Oct 2023, 1<sup>st</sup> results: 18 Feb 2024, 1<sup>st</sup> revision: 27 April 2024 → **accept**: 06 May 2024).

|| Ahmad Reza Salehi, Maryam Imani, A. Zaimbashi, and Halim Yanikomeroglu, “Learning and model-based approaches for radar target detection”,

- *IEEE Transactions on Cognitive Communications and Networking* (submission: 28 Mar 2023, 1<sup>st</sup> response: 02 Jan 2024, 1<sup>st</sup> revision: 01 Mar 2024 → **accept**: 07 April 2024).

|| Mohammad Reza Abedi, Nader Mokari, Mohammad Reza Javan, Hamid Saeedi, Eduard A. Jorswieck, and H. Yanikomeroglu, “Safety-aware age-of-information (S-AoI) for collision risk minimization in cell-free mMIMO platooning networks”,

- *IEEE Transactions on Intelligent Transportation Systems* (submission: 06 May 2023 → **reject**: 09 August 2023);
- *IEEE Transactions on Network and Service Management* (submission: 27 Aug 2023, 1<sup>st</sup> results: 22 Nov 2023, 1<sup>st</sup> revision: 18 Dec 2023, 2<sup>nd</sup> results: 13 Mar 2024, 2<sup>nd</sup> revision: 20 Mar 2024 → **accept**: 21 Mar 2024).

|| Maede Hojjati, Arian Arabnouri, Alireza Shafieinejad, and Halim Yanikomeroglu, “A blockchain-based approach for USIM management in mobile networks”,

- *IEEE Access* (submission: 18 Jan 2023, unsubmission: 21 Jan 2023, resubmission: 11 Apr 2023, unsubmission: 14 Apr 2023, resubmission: 29 Apr 2023, resubmission: 18 May 2023, resubmission: 30 May 2023, 1<sup>st</sup> results: ?, 1<sup>st</sup> revision: 10 Sep 2023 → **reject**: 29 Sep 2023);
- *IEEE Open Journal of the Communications Society* (submission: 10 Oct 2023 1<sup>st</sup> results: 16 Nov 2023, 1<sup>st</sup> revision: 12 Feb 2024, 2<sup>nd</sup> results: 24 Feb 2024, 2<sup>nd</sup> revision: 01 Mar 2024 → **accept**: 19 Mar 2024).

|| Afsoon Alidadi Shamsabadi, Animesh Yadav, and Halim Yanikomeroglu, “Joint beamforming and user association design for integrated HAPS-terrestrial networks”,

- *IEEE Wireless Communications Letters* (submission: 16 Jul 2023 → **reject**: 25 Sep 2023);
- *IEEE Communications Letters* (submission: 28 Sep 2023, unsubmission: 29 Sep 2023, submission: 29 Sep 2023, 1<sup>st</sup> results: 30 Oct 2023, 1<sup>st</sup> revision: 27 Dec 2023, 2<sup>nd</sup> results: 13 Jan 2024, 2<sup>nd</sup> revision: 31 Jan 2024 → **accept**: 24 Feb 2024). [[arXiv](#)]

[] Faical Khennoufa, Khelil Abdellatif, Ferdi Kara, Halim Yanikomeroglu, Khaled Rabie, Taissir Y. Elganimi, and Safia Beddiaf, “Error performance analysis of UAV-mounted RIS for NOMA systems with practical constraints”,

- *IEEE Communications Letters* (submission: 30 Oct 2023, unsubmission: 30 Oct 2023, submission: 31 Oct 2023, 1<sup>st</sup> results: 27 Nov 2023, 1<sup>st</sup> revision: 28 Dec 2023 → **accept**: 28 Jan 2024).

[] Adem Cicek, Enver Cavus, Ebrahim Bedeer, and Halim Yanikomeroglu, “Low complexity soft-output faster-than-Nyquist detector based on semidefinite relaxation”,

- *IEEE Communications Letters* (submission: 12 Sep 2020, 1<sup>st</sup> results: 18 Oct 2020); Adem Cicek, Ian Marsland, Enver Cavus, Ebrahim Bedeer, and Halim Yanikomeroglu, “Low complexity lookup table aided soft output semidefinite relaxation based faster-than-Nyquist signaling detector”,
- *IEEE Communications Letters* (submission: 27 Aug 2023, unsubmission: 28 Aug 2023, submission: 09 Sep 2023 → **reject**: 17 Oct 2023).
- *IEEE ICC 2024* → **accept** [[arXiv](#)] [[ResearchGate](#)]

[] Ziad Elkhatib, Firuz Moussa, Mustapha Yagoub, and Halim Yanikomeroglu, “Radio modulation classification optimization using combinatorial deep learning technique”,

- *IEEE Access* (submission: 03 Apr 2023, 1<sup>st</sup> results: 05 May 2023, 1<sup>st</sup> revision: 31 Jul 2023, 2<sup>nd</sup> results: 28 August 2023, 2<sup>nd</sup> revision: 08 Jan 2024 → **accept**: 15 Jan 2024).

[] Amir Mehrabian, Maryam Sabbaghian, and Halim Yanikomeroglu, “RL-based hyperparameter selection for spectrum sensing with CNNs”,

- *IEEE Transactions on Communications* (submission: 06 Feb 2023 → **reject**: 08 Jun 2023).
- *IEEE Transactions on Communications* (submission: 24 Sep 2023, unsubmission: 25 Sep 2023, submission: 21 Oct 2023 → **accept**: 06 Jan 2024).

[] Weili Wang, Omid Abbasi, Halim Yanikomeroglu, Chengchao Liang, Lun Tang, and Qianbin Chen, “VHetNets for AI and AI for VHetNets: An anomaly detection case study for ubiquitous IoT”,

- *IEEE Network Magazine* (submission: 31 May 2022, 1<sup>st</sup> results: 21 Oct 2022, 1<sup>st</sup> revision: 04 Nov 2022, 2<sup>nd</sup> results: 18 Feb 2023, 2<sup>nd</sup> revision: 21 Apr 2023 → **accept**: 27 Dec 2023). [[arXiv](#)]

[] Youssra Cheriguene, Wael Jaafar, Halim Yanikomeroglu, and Chaker Kerrache, “Towards reliable participation in UAV-enabled federated edge learning on non-IID data”,

- *IEEE Open Journal of Vehicular Technology* (submission: 17 Feb 2023, 1<sup>st</sup> results: 21 Mar 2023, 1<sup>st</sup> revision: 21 Jun 2023, 2<sup>nd</sup> results: 11 Jul 2023, 2<sup>nd</sup> revision: 03 Nov 2023 → **accept**: 06 Dec 2023).

[] Weili Wang, Omid Abbasi, Halim Yanikomeroglu, Chengchao Liang, Lun Tang, and Qianbin Chen, “A vertical heterogeneous network (VHetNet)-enabled asynchronous federated learning-based anomaly detection framework for ubiquitous IoT”,

- *IEEE Transactions on Wireless Communications* (submission: 21 Dec 2022, unsubmission: 24 Dec 2022, submission: 28 Dec 2022 → **reject**: 19 Mar 2023);
- *IEEE Internet of Things Journal* (submission: 15 May 2023 → **reject**: 27 Jun 2023);
- *IEEE Transactions on Vehicular Technology* (submission: 08 Jul 2023 → **EiC-reject**: 10 Jul 2023);
- *IEEE Open Journal of the Communications Society* (submission: 12 Jul 2023, 1<sup>st</sup> results: 12 Aug 2023, 1<sup>st</sup> revision: 10 Oct 2023, 2<sup>nd</sup> results: 08 Nov 2023, 2<sup>nd</sup> revision: 21 Nov 2023 → **accept**: 06 Dec 2023). [[arXiv](#)]

[] Omid Abbasi and Halim Yanikomeroglu, “UxNB-enabled cell-free massive MIMO with HAPS-assisted sub-THz backhauling”,

- *IEEE Transactions on Wireless Communications* (submission: 05 Dec 2021, 1<sup>st</sup> results: 11 Apr 2022, 1<sup>st</sup> revision: 21 Jul 2022 → **reject**: 26 Sep 2022);
- *IEEE Transactions on Vehicular Technology* (submission: 20 Oct 2022, 1<sup>st</sup> results: 20 Feb 2023, 1<sup>st</sup> revision: 20 Jun 2023, 2<sup>nd</sup> results: 17 Aug 2023, 2<sup>nd</sup> revision: 13 Oct 2023 → **accept**: 05 Dec 2023).  
[arXiv] [ResearchGate]

|| Jintao Liang, Aizaz U. Chaudhry, Eylem Erdogan, and Halim Yanikomeroglu, “Free-space optical satellite networks: Power versus latency tradeoff”,

- *IEEE Transactions on Aerospace and Electronic Systems* (submission: 23 Aug 2022 → **reject**: 01 Nov 2022);

Jintao Liang, Aizaz U. Chaudhry, Eylem Erdogan, Halim Yanikomeroglu, Gunes Karabulut Kurt, Peng Hu, Khaled Ahmed, and Stephane Martel, “Free-space optical satellite networks: Power versus latency tradeoff”,

- *IEEE Open Journal of the Communications Society* (submission: 23 Dec 2022, 1st results: 19 Jan 2023, 1st revision: 20 Mar 2023 → **reject**: 17 Apr 2023).
- “Free-space optical (FSO) satellite networks performance analysis: Transmission power, latency, and outage probability”, *IEEE Open Journal of Vehicular Technology* (submission: 03 Nov 2023 → **accept**: 30 Nov 2023).

|| Yuan Liao, Vasilis Friderikos, and Halim Yanikomeroglu, “Swarm of robotic aerial base stations for mmWave multi-hop backhauling”,

- *IEEE Wireless Communications Letters* (submission: 10 Jul 2023, 1<sup>st</sup> results: 13 Aug 2023, 1<sup>st</sup> revision: 06 Oct 2023, 2<sup>nd</sup> results: 30 Oct 2023, 2<sup>nd</sup> revision: 14 Nov 2023 → **accept**: 29 Nov 2023).

|| Nesrine Cherif, Wael Jaafar, Halim Yanikomeroglu, and Abbas Yongacoglu, “RL-based cargo-UAV trajectory planning and cell association for minimum handoffs, disconnectivity, and energy consumption”,

- *IEEE Wireless Communications Letters* (submission: 01 Aug 2022 → **reject**: 11 Sep 2022);
- *IEEE Transactions on Vehicular Technology* (submission: 26 Sep 2022, 1st results: 29 Mar 2023, 1st revision 30 May 2023, 2nd results: 08 Aug 2023, 2nd revision: 08 Sep 2023 → **accept**: 28 Nov 2023).

|| Tuheen Ahmmed, Adnan Kiayani, Raed M. Shubair, and Halim Yanikomeroglu, “Overview of passive intermodulation in modern wireless networks: Concepts and cancellation techniques”,

- *IEEE Access* (submission: 15 Aug 2023, 1<sup>st</sup> results: 24 Sep 2023, 1<sup>st</sup> revision: 23 Oct 2023 → **accept**: 11 Nov 2023).

|| Maryam Salamatmoghadas, Amir Mehrabian, and Halim Yanikomeroglu, “Energy sustainability in dense radio access networks via high altitude platform stations”,

- *IEEE Wireless Communications Letters* (submission: 02 Aug 2023 → **editor-reject**: 06 Aug 2023);
- *IEEE Networking Letters* (submission: 06 Aug 2023, 1<sup>st</sup> results: 10 Sep 2023, 1<sup>st</sup> revision: 29 Sep 2023 → **accept**: 23 Oct 2023).

|| Jintao Liang, Aizaz U. Chaudhry, John W. Chinneck, Halim Yanikomeroglu, Gunes Karabulut Kurt, Peng Hu, Khaled Ahmed, and Stephane Martel, “Latency versus transmission power trade-off in free-space optical (FSO) satellite networks with multiple inter-continental connections”,

- *IEEE Access* (submission: 07 Mar 2023 → **reject**: 04 May 2023);
- *IEEE Open Journal of the Communications Society* (submission: 25 Jun 2023, 1<sup>st</sup> results: 20 Jul 2023, 1<sup>st</sup> revision: 18 Sep 2023 → **accept**: 08 Oct 2023).

[] Han Yu, Zizheng Hua, Xiaqing Miao, Shuai Wang, Gaofeng Pan, Jianping An, Tommy Svensson, and Halim Yanikomeroglu, “Computer vision-based joint space sensing and communication systems: Non-source, autonomy, and low latency”,

- *IEEE Wireless Communications Magazine* (submission: 16 Apr 2023, 1<sup>st</sup> results: ?, 1<sup>st</sup> revision: 29 Jul 2023 → **accept**: 04 Oct 2023).

[] Maximiliano Rivera, Wael Jaafar, and Halim Yanikomeroglu, “Optimization of RIS-assisted RSMA-enabled tethered-UAV communications”,

- *IEEE Globecom 2023* → **reject**;
- *IEEE Globecom Workshops* → **accept**.

[] Safia Beddiaf, Khelil Abdellatif, Faical Khennoufa, Ferdi Kara, Khaled Rabie, Lixing Wang, Hakan Kaya, Ahmet Emir, and Halim Yanikomeroglu, “Impact of hardware impairment on the uplink SIMO cooperative NOMA with selection relay under imperfect CSI”,

- *IEEE Access* (submission: 22 Jun 2023, 1<sup>st</sup> results: 16 Aug 2023, 1<sup>st</sup> revision: 02 Sep 2023 → **accept**: 19 Sep 2023).

[] Ayoub Sassi, Wael Jaafar, Safa Cherif, Jihene Ben Abderrazak, and Halim Yanikomeroglu, “Video traffic analysis for real-time emotion recognition and visualization in online learning”,

- *IEEE Access* (15 Feb 2023, 1<sup>st</sup> results: 03 May 2023, 1<sup>st</sup> revision: 16 Jun 2023, unsubmission: 08 Jul 2023, submission: 10 Jul 2023 → **accept**: 01 Sep 2023).

[] Weihao Wang, Zesong Fei, Jing Guo, Salman Durrani, and Halim Yanikomeroglu, “Outage performance of multi-tier UAV communication with random beam misalignment”,

- *IEEE Internet of Things Journal* (submission: 04 Jul 2022, 1<sup>st</sup> results: 08 Apr 2023, 1<sup>st</sup> revision: 06 May 2023, 2<sup>nd</sup> results: 27 May 2023, 2<sup>nd</sup> revision: 18 Jun 2023 → **accept**: 18 Jul 2023).

[] Faical Khennoufa, Khelil Abdellatif, Safia Beddiaf, Ferdi Kara, Khaled Rabie, Hakan Kaya, Ahmet Emir, Salama Ikki, and Halim Yanikomeroglu, “Wireless powered cooperative communication network for two-way uplink NOMA with IQI and SIC imperfections”,

- *IEEE Access* (submission: 13 Apr 2023, 1<sup>st</sup> results: 24 May 2023, 1<sup>st</sup> revision: 26 Jun 2023 → **accept**: 14 Jul 2023).

[] Yuan Liao, Vasilis Friderikos, and Halim Yanikomeroglu, “Robust deployment and resource allocation for robotic aerial base station enabled OFDM integrated sensing and communication”,

- *IEEE Wireless Communications Letters* (submission: 05 Mar 2023, 1<sup>st</sup> results: 10 Apr 2023, 1<sup>st</sup> revision: 10 May 2023, 2<sup>nd</sup> results: 12 Jun 2023, 2<sup>nd</sup> revision: 23 Jun 2023 → **accept**: 06 Jul 2023).

[] Sanjeev Gurugopinath, Lina Bariah, Sami Muhaidat, Rajalekshmi Kishore, Paschalis C. Sofotasios, Faissal El Bouanani, and Halim Yanikomeroglu, “The interplay of NOMA and GSSK: Detection strategies and performance analysis”,

- *IEEE Transactions on Communications* (submission: 17 Aug 2020 → **reject**: 08 Nov 2020);
- *IEEE Transactions on Green Communications and Networking* (submission: 08 Nov 2021 → **editor-reject**: 16 Nov 2021);

“Interplay of NOMA and GSSK: Detection strategies and performance analysis”,

- *IEEE Transactions on Vehicular Technology* (submission: 17 Nov 2021 → **reject**: 09 Jan 2022);
- *IEEE Open Journal of the Communications Society* (submission: 25 Jan 2022, 1<sup>st</sup> revision: 16 Mar 2022 → **reject**: 12 Apr 2022);
- *IEEE Open Journal of Vehicular Technology* (submission: 16 Nov 2022, 1<sup>st</sup> results: 08 Dec 2022, 1<sup>st</sup> revision: 14 Jun 2023 → **accept**: 18 Jun 2023). [[arXiv](#)] [[ResearchGate](#)]

[] Safwan Alfattani, Wael Jaafar, Halim Yanikomeroglu, and Abbas Yongacoglu, “Multi-mode high altitude platform stations (HAPS) for next generation wireless networks”,

- *IEEE Vehicular Technology Magazine* (submission: 17 Sep 2022, 1<sup>st</sup> results: 27 Feb 2023, 1<sup>st</sup> revision: 18 May 2023 → **accept**: 17 Jun 2023). [[TechRxiv](#)] [[arXiv](#)]

[] Youssra Cheriguene, Chaker Abdelaziz Kerrache, Wael Jaafar, Fatima Zohra Bousbaa, Halim Yanikomeroglu, and Nasreddine Lagraa, “DEEPS: Data-efficient and energy-aware participant selection for UAV-enabled edge federated learning”,

- *IEEE Transactions on Network and Service Management* (submission: 18 Sep 2022 → **reject**: 07 Jan 2023);
- *IEEE PIMRC 2023* → **accept**.

[] Mohsen Tajallifar, Ahmad R. Sharafat, and Halim Yanikomeroglu, “Robust and feasible QoS-aware mmWave massive MIMO hybrid beamforming”,

- *IEEE Transactions on Wireless Communications* (submission: 07 Jan 2022 → **reject**: 15 Apr 2022);
- *IEEE Transactions on Wireless Communications* (resubmission: 28 Aug 2022, 1<sup>st</sup> results: 09 Jan 2023, 1<sup>st</sup> revision: 26 Feb 2023 → **accept**: 12 Jun 2023).

[] Amin Farajzadeh, Animesh Yadav, Omid Abbasi, Wael Jaafar, and Halim Yanikomeroglu, “FLSTRA: Federated learning in stratosphere”,

- *IEEE Transactions on Wireless Communications* (submission: 24 Jan 2023, 1<sup>st</sup> results: 09 Mar 2023, 1<sup>st</sup> revision: 05 May 2023, 2<sup>nd</sup> results: 02 Jun 2023, 2<sup>nd</sup> revision: 09 Jun 2023 → **accept**: 09 Jun 2023). [[arXiv](#)] [[ResearchGate](#)]

[] Semiha Kosu, Mohammadreza Babaei, Serdar Ozgur Ata, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “BER analysis of energy harvesting enabled cooperative V2V communications”,

- *IEEE Transactions on Vehicular Technology* (submission: 04 Apr 2022 → **reject**: 30 Sep 2022);
- “Linear/non-linear energy harvesting models via multi-antenna relay cooperation in V2V communications”,
- *IEEE Transactions on Green Communications and Networking* (submission: 12 Oct 2022, 1<sup>st</sup> results: 21 Nov 2022, 1<sup>st</sup> revision: 02 Dec 2022, 2<sup>nd</sup> results: 01 Feb 2023, 2<sup>nd</sup> revision: 21 Feb 2023 → **accept**: 15 May 2023).

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

- *IEEE Wireless Communications Magazine* (submission: 08 Aug 2022, 1<sup>st</sup> results: 06 Nov 2022, 1<sup>st</sup> revision: 21 Dec 2022, 2<sup>nd</sup> results: 29 Mar 2023, 2<sup>nd</sup> revision: 11 Apr 2023 → **accept**: 10 May 2023). [[arXiv](#)]

[] Aditya S. Rajasekaran and Halim Yanikomeroglu, “Neural network aided user clustering in mmWave-NOMA systems with user decoding capability constraints”,

- *IEEE Access* (submission: 26 Feb 2023, 1<sup>st</sup> results: 29 Mar 2023, 1<sup>st</sup> revision: 20 Apr 2023 → **accept**: 05 May 2023).

[] Zichao Zhang, Melda Yuksel, Gokhan Guvensen, and Halim Yanikomeroglu, “Capacity region of asynchronous multiple access channels with FTN”,

- *IEEE Communications Letters* (submission: 05 Jan 2023, 1<sup>st</sup> results: 01 Feb 2023, 1<sup>st</sup> revision: 23 Feb 2023, 2<sup>nd</sup> results: 13 Mar 2023, 2<sup>nd</sup> revision: 01 Apr 2023 → **accept**: 20 Apr 2023). [[arXiv](#)]

|| Pablo Madoery, Gunes Karabulut Kurt, Halim Yanikomeroglu, Peng Hu, Guillaume Lamontagne, Khaled Ahmed, and Stephane Martel, “Routing heterogeneous traffic in delay tolerant satellite networks”,

- *IEEE Journal of Radio Frequency Identification* (submission: 31 Jan 2023, 1<sup>st</sup> results: 20 Mar 2023, 1<sup>st</sup> revision: 03 Apr 2023 → **accept**: 14 Apr 2023).

|| Mine Ardanuc, Mehmet Basaran, Yassine Hmamouche, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “Approximate energy efficiency analysis in non-Poisson heterogeneous cellular networks”,

- *IEEE Communications Letters* (submission: 08 Sep 2020 → **reject**: 14 Oct 2020);
- “Energy efficiency analysis in heterogeneous cellular networks: A stochastic geometry perspective”;
- *IEEE Wireless Communications Letters* (submission: 19 Nov 2020 → **reject**: 21 Dec 2020);
- *IEEE Networking Letters* (submission: 31 Dec 2020, 1<sup>st</sup> results: 22 Feb 2021), 1<sup>st</sup> revision: 24 Mar 2022 → **reject**: 12 May 2022);
- “Energy efficiency analysis in heterogeneous cellular networks: A stochastic geometry perspective”,
- *IEEE Globecom 2022* → **reject**;
- “Energy efficiency analysis in heterogeneous networks: A stochastic geometry perspective”,
- *IEEE Systems Journal* (submission: 25 Sep 2022 → **reject**: 25 Dec 2022).
- *IEEE Open Journal of the Vehicular Technology* (submission: 26 Dec 2022, 1<sup>st</sup> results: 29 Jan 2023, 1<sup>st</sup> revision: 03 Mar 2023 → **accept**: 14 Apr 2023).

|| Ali Nouruzi, Atefeh Rezaei, Ata Khalili, Nader Mokari, Mohammad Reza Javan, Eduard A. Jorswieck, and Halim Yanikomeroglu, “Toward a smart resource allocation policy via artificial intelligence in 6G networks: Centralized or decentralized?”,

- *IEEE Communications Magazine* (submission: 21 Feb 2022 → **reject**: 17 Mar 2022). [[arXiv](#)] [[ResearchGate](#)]
- “Smart resource allocation framework via artificial intelligence in software-defined 6G networks”, *IEEE ICC 2023*.

|| Ferdi Kara, Hakan Kaya, Halim Yanikomeroglu, Benjamin K. Ng, and Chan-Tong Lam, “Bit-interleaved multiple access: Improved fairness, reliability, and latency for massive IoT networks”,

- *IEEE Internet of Things Journal* (submission: 06 Oct 2022, 1<sup>st</sup> results: 08 Dec 2022, 1<sup>st</sup> revision: 18 Jan 2023, 2<sup>nd</sup> results: 03 Feb 2023, 2<sup>nd</sup> revision: 15 Mar 2023 → **accept**: 11 Apr 2023).

|| Qiqi Ren, Omid Abbasi, Gunes Karabulut Kurt, Halim Yanikomeroglu, and Jian Chen, “Handoff-aware distributed computing in high altitude platform station (HAPS)-assisted vehicular networks”,

- *IEEE Journal of Selected Topics in Signal Processing* (submission: 13 Jun 2022 → **reject**: 26 Aug 2022);
- *IEEE Transactions on Wireless Communications* (submission: 04 Oct 2022, 1<sup>st</sup> results: 27 Nov 2022, 1<sup>st</sup> revision: 23 Jan 2023, 2<sup>nd</sup> results: 03 Mar 2023, 2<sup>nd</sup> revision: 01 Apr 2023 → **accept**: 01 Apr 2023).

|| Hongzhao Zheng, Mohamed Atia, and Halim Yanikomeroglu, “A positioning system in an urban vertical heterogeneous network (VHetNet)”,

- *IEEE Journal of Radio Frequency Identification* (submission: 24 Jan 2023, 1<sup>st</sup> results: 21 Mar 2023, 1<sup>st</sup> revision: 29 Mar 2023 → **accept**: 29 Mar 2023).

|| Nahid Amani, Saeedeh Parsaeefard, and Halim Yanikomeroglu, “Multi-objective energy efficient resource allocation in massive MIMO-aided H-CRAN”,

- *IEEE Access* (submission: 31 Oct 2022, 1<sup>st</sup> results: 19 Nov 2022, 1<sup>st</sup> revision: 28 Dec 2022, 2<sup>nd</sup> results: 17 Jan 2023 → **accept**: 28 Mar 2023).

|| Siqiang Wang, Zesong Fei, Jing Guo, Qimei Cui, Salman Durrani, and Halim Yanikomeroglu, “Energy efficiency optimization for multiple access in NOMA-enabled space-air-ground networks”,

- *IEEE Internet of Things Journal* (submission: 28 Sep 2022, 1<sup>st</sup> results: 04 Jan 2023, 1<sup>st</sup> revision: 16 Feb 2023 → **accept**: 25 Mar 2023).

|| Omar Maraqa, Saad Al-Ahmadi, Aditya S. Rajasekaran, Hamza U. Sokun, Halim Yanikomeroglu, and Sadiq M. Sait, “Energy minimization in MEC-assisted cooperative THz-SIMO NOMA systems”,

- *IEEE Transactions on Communications* (submission: 31 Jan 2022, 1<sup>st</sup> results: 20 Apr 2022, 1<sup>st</sup> revision: 22 Aug 2022, 2<sup>nd</sup> results: 30 Nov 2022, 2<sup>nd</sup> revision: 22 Jan 2023 → **accept**: 25 Mar 2023).

|| Javad Sobouti, Amir Hossein Mohajerzadeh, Hosseini, and Halim Yanikomeroglu, “Managing sets of flying base stations using energy efficient 3D trajectory planning in cellular networks”,

- *IEEE Internet of Things Journal* (submission: 02 Aug 2022 → **editor-reject**: 31 Aug 2022);
- *IEEE Internet of Things Journal* (resubmission: 11 Sep 2022 → **reject**: 10 Nov 2022);
- *IEEE Sensors Journal* (submission: 09 Dec 2022, 1<sup>st</sup> results: 30 Jan 2023, 1<sup>st</sup> revision: 21 Feb 2023 → **accept**: 08 Mar 2023).

|| Ammar Abdelsamie, Ian Marsland, Ahmed Ibrahim, and Halim Yanikomeroglu, “MetNet: A novel low-complexity neural network aided detection for faster-than-Nyquist (FTN) signalling in ISI channels”,

- *IEEE Open Journal of the Communications Society* (submission: 21 Oct 2022, 1<sup>st</sup> results: 17 Nov 2022, 1<sup>st</sup> revision: 12 Jan 2023, 2<sup>nd</sup> results: 27 Jan 2023, 2<sup>nd</sup> revision: 09 Feb 2023 → **accept**: 01 Mar 2023).

|| Mohammed Y. Abdelsadek, Gunes Karabulut-Kurt, Halim Yanikomeroglu, Peng Hu, Guillaume Lamontagne, and Khaled Ahmed, “Broadband connectivity for handheld devices via LEO satellites: Is distributed massive MIMO the answer?”,

- *IEEE Open Journal of the Communications Society* (submission: 09 Nov 2022, 1<sup>st</sup> results: 08 Dec 2022, 1<sup>st</sup> revision: 04 Feb 2023 → **accept**: 28 Feb 2023).

|| Cihan Emre Kement, Ferdi Kaya, Wael Jaafar, Halim Yanikomeroglu, Gamini Senarath, Ngoc-Dung Dao, and Peiying Zhu, “Sustaining dynamic traffic in dense urban areas with high altitude platform stations (HAPS)”,

- *IEEE Communications Magazine* (submission: 12 Sep 2022, unsubmission: 14 Sep 2022, submission: 21 Sep 2022, 1<sup>st</sup> results: 13 Nov 2022, 1<sup>st</sup> revision: 27 Dec 2022, 2<sup>nd</sup> results: 03 Feb 2023, 2<sup>nd</sup> revision: 13 Feb 2023 → **accept**: 20 Feb 2023). [[arXiv](#)]

|| Amin Farajzadeh, Mohammad G. Khoshkholgh, Halim Yanikomeroglu, and Ozgur Ercetin, “Self-evolving integrated vertical heterogeneous networks”,

- *IEEE Communications Surveys and Tutorials* (submission: 25 Jun 2021 → **reject**: 08 Sep 2021);
- *Proceedings of the IEEE* (submission: 13 Oct 2021 → **reject**: 17 Aug 2022).
- *Open Journal of the Communications Society* (submission: 25 Sep 2022, 1<sup>st</sup> results: 30 Oct 2022, 1<sup>st</sup> revision: 29 Dec 2022 → **accept**: 31 Jan 2023). [[arXiv](#)] [[ResearchGate](#)]

|| Aizaz U. Chaudhry and Halim Yanikomeroglu, “Laser inter-satellite link range in free-space optical satellite networks: Impact on connectivity and latency”,

- *IEEE Vehicular Technology Magazine* (submission: 26 Mar 2021 → **reject**: 16 Apr 2021).
- Aizaz U. Chaudhry, Guillaume Lamontagne, and Halim Yanikomeroglu, “Laser inter-satellite link range in free-space optical satellite networks: Impact on latency”,
- *IEEE Network Magazine* (submission: 07 Jun 2021 → **reject**: 05 Nov 2021);
  - *IEEE Aerospace and Electronic Systems Magazine* (submission: 24 Dec 2021, 1<sup>st</sup> results: 14 Apr 2022, 1<sup>st</sup> revision: 16 May 2022 → **accept**: 27 Jan 2023)

[] Safwan Alfattani, Animesh Yadav, Halim Yanikomeroglu, and Abbas Yongacoglu, “Resource-efficient HAPS-RIS enabled beyond-cell communications”,

- *IEEE Wireless Communications Letters* (submission: 20 Jul 2022, 1<sup>st</sup> results: 16 Sep 2022, 1<sup>st</sup> revision: 27 Oct 2022, 2<sup>nd</sup> results: 01 Dec 2022, 2<sup>nd</sup> revision: 21 Dec 2022 → **accept**: 19 Jan 2023). [[TechRxiv](#)] [[arXiv](#)] [[ResearchGate](#)]

[] Mohammad Parvini, Amir Hossein Zarif, Ali Nouruzi, Nader Mokari, Mohammad Reza Javan, Bijan Abbasi, Amir Ghasemi, and Halim Yanikomeroglu, “A comprehensive survey of spectrum sharing schemes from a standardization and implementation perspective”,

- *IEEE Communications Surveys and Tutorials* (submission: 16 Jan 2022 → **reject**: 21 Mar 2022); “Spectrum sharing schemes from 4G to 5G and Beyond: Protocol flow, regulation, ecosystem, economic”,
- *IEEE Communications Surveys and Tutorials* (resubmission: 24 Aug 2022 → **reject**: 30 Aug 2022);
- *IEEE Open Journal of the Communications Society* (submission: 13 Oct 2022, 1<sup>st</sup> results: 12 Dec 2022, 1<sup>st</sup> revision: 07 Jan 2023 → **accept**: 11 Jan 2023) [[arXiv](#)] [[ResearchGate](#)]

[] Hongzhao Zheng, Mohamed Atia, and Halim Yanikomeroglu, “Analysis of a HAPS-aided GNSS in urban areas using a RAIM algorithm”,

- *IEEE Open Journal of the Communications Society* (submission: 09 Oct 2022, 1<sup>st</sup> results: 08 Nov 2022, 1<sup>st</sup> revision: 12 Dec 2022 → **accept**: 30 Dec 2023).

[] Ali Fazeli, Ha Nguyen, and Halim Yanikomeroglu, “Bit-interleaved coded energy-based modulation with iterative decoding”,

- *IEEE Transactions on Communications* (submission: 17 May 2022, 1<sup>st</sup> results: 09 Sep 2022, 1<sup>st</sup> revision: 04 Nov 2022 → **accept**: 26 Dec 2022). [[TechRxiv](#)]

[] Eylem Erdogan, Olfa Ben Yahia, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Optical HAPS eavesdropping in vertical heterogeneous networks”,

- *IEEE Open Journal of Vehicular Technology* (submission: 16 Sep 2022, 1<sup>st</sup> results: 18 Oct 2022, 1<sup>st</sup> revision: 17 Dec 2022 → **accept**: 18 Dec 2022).

[] Beddiaf Safia, Khelil Abdellatif, Faical Khennoufa, Ferdi Kara, Hakan Kaya, Xingwang Li, Khaled Rabie, and Halim Yanikomeroglu, “Error analysis of cooperative NOMA with practical constraints: Hardware-impairment, imperfect SIC and CSI”,

- *IEEE Communications Letters* (submission: 28 Jun 2022 → **reject**: 22 Jul 2022);
- *IEEE Access* (submission: 31 Aug 2022, 1<sup>st</sup> results: 18 Sep 2022, 1<sup>st</sup> revision: 07 Nov 2022 → **accept**: 13 Dec 2022)

[] Aditya S. Rajasekaran, Hamza U. Sokun, Omar Maraqa, Halim Yanikomeroglu, and Saad Al-Ahmadi, “Vision assisted user clustering for robust mmWave-NOMA”,

- *IEEE Communications Magazine* (submission: 25 Aug 2021 → **reject**: 19 Nov 2021);
- *IEEE Communications Magazine* (resubmission: 22 Feb 2022, 1<sup>st</sup> results: 12 Apr 2022 → **withdrawal**: 19 May 2022);
- *IEEE Globecom 2022* → **reject**;
- *IEEE Future Networks World Forum (FNWF) 2022*.

[] Rozita Shafie, Mohammad Javad Omid, Omid Abbasi, and Halim Yanikomeroglu, “Power allocation for a HAPS-enabled MIMO-NOMA system with spatially correlated channels”,

- *IEEE Globecom 2022* → **reject**;
- *IEEE Globecom Workshops 2022* → **accept**.

[] Mohamed Hozayen, Tasneem Darwish, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “A graph-based customizable handover framework for LEO satellite networks”,

- *IEEE Globecom 2022* → **reject**;
- *IEEE Globecom Workshops 2022* → **accept**.

[] Safwan Alfattani, Animesh Yadav, Halim Yanikomeroglu, and Abbas Yongacoglu, “Beyond-cell communications via HAPS-RIS”,

- *IEEE Globecom 2022* → **reject**;
- *IEEE Globecom Workshops 2022* → **accept**. [[arXiv](#)] [[TechrXiv](#)]

[] Mohammed Y. Abdelsadek, Aizaz U. Chaudhry, Tasneem Darwish, Eylem Erdogan, Gunes Karabulut-Kurt, Pablo G. Madoery, Olfa Ben Yahia, and Halim Yanikomeroglu, “Future space networks: Toward the next giant leap for humankind”,

- *IEEE Transactions on Communications* (submission: 05 Apr 2022, 1<sup>st</sup> results: 21 Aug 2022, 1<sup>st</sup> revision: 19 Oct 2022 → **accept**: 01 Dec 2022).

[] Poorya Aghaomidi, Amir Mohammadisarab, Jalil Mazloun, Mohammad Ali Akbarzadeh, Mahdi Orooji, Nader Mokari, Halim Yanikomeroglu, “DeepRTSNet: Deep robust two-stage networks for ECG denoising in practical use case”,

- *IEEE Access* (submission: 03 Jul 2022, 1<sup>st</sup> results: 19 Aug 2022, 1<sup>st</sup> revision: 26 Oct 2022 → **accept**: 23 Nov 2022).

[] Kursat Tekbiyik, Gunes Karabulut Kurt, Ali Riza Ekti, Ali Gorcin, and Halim Yanikomeroglu, “Reconfigurable intelligent surface empowered THz communication in LEO satellite networks”,

- *IEEE Journal in Selected Areas in Communications* (submission: 07 Jul 2020 → **reject**: 02 Oct 2020);
- *IEEE Transactions on Wireless Communications* (submission: 15 Dec 2020 → **reject**: 04 Aug 2021);
- *IEEE Transactions on Vehicular Technology* (submission: 17 May 2022 → **reject**: 22 Aug 2022);
- *IEEE Access* (submission: 11 Oct 2022 → **accept**: 11 Nov 2022). [[arXiv](#)] [[ResearchGate](#)]

[] Mohammed Abdelsadek, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Distributed massive MIMO for LEO satellite networks”,

- *IEEE Transactions on Wireless Communications* (submission: 23 Dec 2021 → **reject**: 13 May 2022);
- *IEEE Open Journal of the Communications Society* (submission: 06 Jun 2022, 1<sup>st</sup> results: 11 Jul 2022, 1<sup>st</sup> revision: 08 Sep 2022, 2<sup>nd</sup> results: 02 Oct 2022, 2<sup>nd</sup> revision: 15 Oct 2022 → **accept**: 30 Oct 2022).

[] Irem Cumali, Berna Ozbek, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “User selection and codebook design for NOMA-based high altitude platform station (HAPS) communications”,

- *IEEE Journal on Selected Areas in Communications* (submission: 30 Sep 2021 → **reject**: 18 Dec 2021);
- *IEEE Transactions on Vehicular Technology* (submission: 10 Mar 2022, 1<sup>st</sup> results: 25 Jun 2022, 1<sup>st</sup> revision: 23 Aug 2022 → **accept**: 30 Oct 2022).

[] Hakan Alakoca, Mustafa Namdar, Sultan Aldirmaz-Colak, Mehmet Basaran, Arif Basgumus, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “Metasurface manipulation attacks: Potential security threat of RIS-aided 6G communications”,

- *IEEE Communications Magazine* (submission: 20 Apr 2022, 1<sup>st</sup> results: 01 Jun 2022, 1<sup>st</sup> revision: 15 Aug 2022, unsubmission: 01 Sep 2022, 1<sup>st</sup> revision: 05 Sep 2022, 2<sup>nd</sup> results: 03 Oct 2022, 2<sup>nd</sup> revision: 08 Oct 2022 → **accept**: 29 Oct 2022).

|| Tolga Ovatman, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “An accurate model for computation offloading and a HAPS-based case study”,

- *IEEE Transactions on Network and Service Management* (submission: 22 Sep 2021 → **editor-reject**: 26 Sep 2021);
- *IEEE Transactions on Mobile Computing* (submission: 30 Sep 2021 → **reject**: 27 Dec 2021);
- *IEEE Transactions on Aerospace and Electronic Systems* (submission: 19 Jan 2022 → **reject**: 13 Mar 2022);
- *IEEE Open Journal of the Communications Society* (submission: 15 Jun 2022, 1<sup>st</sup> results: 11 Jul 2022, 1<sup>st</sup> revision: 05 Sep 2022, 2<sup>nd</sup> results: 24 Sep 2022, 2<sup>nd</sup> revision: 04 Oct 2022 → **accept**: 23 Oct 2022).

|| Zuleyha Akusta Dagdeviren, Vahid Khalilpour Akram, Orhan Dagdeviren, Bulent Tavli, and Halim Yanikomeroglu, “k-Connectivity in wireless sensor networks: Overview and future research directions”,

- *IEEE Communications Magazine* (submission: 22 May 2021 → **reject**: 15 Jul 2021);
- *IEEE Network Magazine* (submission: 25 Dec 2021, 1<sup>st</sup> results: 19 May 2022, 1<sup>st</sup> revision: 27 Aug 2022 → **accept**: 14 Oct 2022).

|| Adem Cicek, Enver Cavus, Ebrahim Bedeer, and Halim Yanikomeroglu, “Coordinate interleaved faster-than-Nyquist signaling”,

- *IEEE Communications Letters* (submission: 22 Feb 2022, 1<sup>st</sup> results: 26 Mar 2022, 1<sup>st</sup> revision: 20 Aug 2022, 2<sup>nd</sup> results: 19 Sep 2022, 2<sup>nd</sup> revision: 30 Sep 2022 → **accept**: 30 Sep 2022).

|| Najmeh Banitalebi, Paeiz Azmi, Nader Mokari, Atefeh Hajijamali Arani, and Halim Yanikomeroglu, “Distributed learning based resource allocation for self-organizing device-to-device communication in cellular networks”,

- *IEEE Transactions on Mobile Computing* (submission: 09 May 2020 → **reject**: 07 Oct 2020);
- *IEEE Transactions on Vehicular Technology* (submission: 04 Feb 2021 → **reject**: 03 Aug 2021);
- *IEEE Access* (submission: 04 Oct 2021 → **reject**: 11 Nov 2021). “Distributed learning based resource allocation for self-organizing C-V2X communication in cellular networks”;
- *IEEE Transactions on Network and Service Management* (submission: 04 Jan 2022 → **reject**: 07 May 2022);
- *IEEE Open Journal of the Communications Society* (submission: 26 Jun 2022, 1<sup>st</sup> results: 18 Jul 2022, 1<sup>st</sup> revision: 12 Sep 2022, 2<sup>nd</sup> results: 25 Sep 2022, 2<sup>nd</sup> revision: 28 Sep 2022 → **accept**: 28 Sep 2022).

|| Zichao Zhang, Melda Yuksel, and Halim Yanikomeroglu, “Faster-than-Nyquist signaling for MIMO communications”,

- *IEEE Transactions on Wireless Communications* (submission: 14 Nov 2021, 1<sup>st</sup> results: 27 Jan 2022, 1<sup>st</sup> revision: 09 Mar 2022, 2<sup>nd</sup> results: 15 May 2022, 2<sup>nd</sup> revision: 21 Jul 2022, 3<sup>rd</sup> results: 20 Sep 2022, 3<sup>rd</sup> revision: 26 Sep 2022 → **accept**: 28 Sep 2022). [[arXiv](#)] [[ResearchGate](#)]

|| Afsoon Alidadi Shamsabadi, Animesh Yadav, Omid Abbasi, and Halim Yanikomeroglu, “Handling interference in integrated HAPS-terrestrial networks through radio resource management”,

- *IEEE Wireless Communications Letters* (submission: 25 Jul 2022, 1<sup>st</sup> results: 21 Aug 2022, 1<sup>st</sup> revision: 06 Sep 2022 → **accept**: 25 Sep 2022). [[arXiv](#)]

|| Nesrine Cherif, Wael Jaafar, Evgenii Vinogradov, Halim Yanikomeroglu, Sofie Pollin, and Abbas Yongacoglu, “iTUAVs: Intermittently tethered UAVs for future wireless networks”,

- *IEEE Wireless Communications Magazine* (submission: 27 Dec 2021, 1<sup>st</sup> results: 23 Feb 2022, 1<sup>st</sup> revision: 25 Apr 2022, 2<sup>nd</sup> results: 20 May 2022, 2<sup>nd</sup> revision: 22 Jun 2022, 3<sup>rd</sup> results: 25 Jul 2022, 3<sup>rd</sup> revision: 01 Aug 2022 → **accept**: 05 Sep 2022).

[] Aizaz U. Chaudhry and Halim Yanikomeroglu, “On crossover distance for optical wireless satellite networks and optical fiber terrestrial networks”,

- *IEEE Globecom 2022* → **reject**;
- *IEEE Future Networks World Forum (FNWF) 2022* → **accept**. [[arXiv](#)] [[ResearchGate](#)]

[] Aditya Rajasekaran, Hamza Sokun, Omar Maraqa, Saad Al-Ahmadi, and Halim Yanikomeroglu, “Vision-assisted user clustering for robust mmWave-NOMA systems”,

- *IEEE Globecom 2022* → **reject**;
- *IEEE Future Networks World Forum (FNWF) 2022* → **accept**.

[] Amir Mehrabian, Maryam Sabbaghian, and Halim Yanikomeroglu, “CNN-based detector for spectrum sensing with general noise models”,

- *IEEE Transactions on Wireless Communications* (submission: 08 Nov 2021, 1<sup>st</sup> results: 25 May 2022, 1<sup>st</sup> revision: 04 Jul 2022 → **accept**: 19 Aug 2022).

[] Weili Wang, Chengchao Liang, Lun Tang, Halim Yanikomeroglu, and Qianbin Chen, “Federated multi-discriminator BiWGAN-GP based collaborative anomaly detection for virtualized network slicing”,

- *IEEE Transactions on Mobile Computing* (submission: 01 Feb 2022, 1<sup>st</sup> results: 18 Jul 2022, 1<sup>st</sup> revision: 10 Aug 2022 → **accept**: 15 Aug 2022).

[] Ali Murat Demirtas, Mehmet Saygin Seyfioglu, Irem Bor-Yaliniz, Bulent Tavli, and Halim Yanikomeroglu, “Autonomous UAV base stations for next generation wireless networks: A deep learning approach”,

- *IEEE Wireless Communications Magazine* (submission: 04 Dec 2020 → **reject**: 23 Apr 2021);
- *IEEE Network Magazine* (submission: 23 Jun 2021 → **reject**: 27 Sep 2021);
- *IEEE Vehicular Technology Magazine* (submission: 11 Oct 2021 → **reject**: 20 Jan 2022);
- *IEEE Communications Magazine* (submission: 21 Mar 2022 → **unsubmitted**);
- “Deep learning based autonomous UAV-BSs for NGWNs: Overview and a novel architecture”, *IEEE Consumer Electronics Magazine* (submission: 17 Apr 2022, 1<sup>st</sup> results: 24 May 2022, 1<sup>st</sup> revision: 25 Jun 2022, 2<sup>nd</sup> results: 08 Jul 2022, 2<sup>nd</sup> revision: 29 Jul 2022, 3<sup>rd</sup> results: 05 Aug 2022, 3<sup>rd</sup> revision: 15 Aug 2022 → **accept**: 15 Aug 2022).

[] Aizaz U. Chaudhry and H. Yanikomeroglu, “Temporary laser inter-satellite links in free-space optical satellite networks”,

- *IEEE Access* (submission: 30 Jan 2022 → **reject**: 25 Mar 2022);
- *IEEE Open Journal of the Communications Society* (submission: 13 Jun 2022, 1<sup>st</sup> results: 26 Jun 2022, 1<sup>st</sup> revision: 26 Jul 2022, 2<sup>nd</sup> results: 02 Aug 2022, 2<sup>nd</sup> revision: 08 Aug 2022 → **accept**: 09 Aug 2022).

[] Selen Gecgel, Caner Goztepe, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Learning-driven physical layer: Assumptions, facts, challenges, and remedies”,

- *IEEE Communications Magazine* (submission: 11 Dec 2020 → **reject**: 25 Jan 2021);
- *IEEE Vehicular Technology Magazine* (submission: 14 Feb 2021 → **reject**: 26 May 2021);
- “A glimpse of physical layer decision mechanisms: Facts, challenges, and remedies”, *IEEE Open Journal of the Communications Society* (submission: 16 Mar 2022, 1<sup>st</sup> results: 03 May 2022, 1<sup>st</sup> revision: 24 Jun 2022 → **accept**: 21 Jul 2022.). [[arXiv](#)] [[ResearchGate](#)]

[] Zhitong Xing, Kaiming Liu, Aditya S. Rajasekaran, Halim Yanikomeroglu, and Yuanan Liu, “A hybrid of companding and zero-forcing precoding scheme for PAPR reduction in massive MIMO-OFDM downlink systems”,

- *IEEE Communications Letters* (submission: 15 Jun 2021 → **reject**: 15 Jul 2021);

- *IEEE Wireless Communications Letters* (submission: 11 Aug 2021 → **reject**: 07 Sep 2021).
  - Zhitong Xing, Yun Li, Aditya S. Rajasekaran, Deyi Peng, and Halim Yanikomeroglu, “Variation approach based nonlinear companding scheme for PAPR reduction in OFDM systems”, *IEEE Transactions on Broadcasting* (submission: 22 Mar 2022, 1<sup>st</sup> results: 06 Jun 2022, 1<sup>st</sup> revision: 16 Jul 2022 → **accept**: 21 Jul 2022).
- || Lina Bariah, Wael Jaafar, Sami Muhaidat, Hany Elgala, and Halim Yanikomeroglu, “On the error performance of LoRa-enabled aerial networks over shadowed Rician fading channels”,
- *IEEE Communications Letters* (submission: 19 Mar 2022, 1<sup>st</sup> results: 17 Apr 2022, 1<sup>st</sup> revision: 01 Jul 2022 → **accept**: 20 Jul 2022).
- || Omid Abbasi and Halim Yanikomeroglu, “Transmission structure, detection scheme and power allocation for uplink user cooperation with NOMA and RSMA”,
- *IEEE Transactions on Communications* (submission: 15 Dec 2020 → **reject**: 07 Mar 2021).
  - “Transmission scheme, detection and power allocation for uplink user cooperation with NOMA and RSMA”, *IEEE Transactions on Communications* (resubmission: 23 Apr 2021 → **reject**: 30 Jun 2021);
  - *IEEE Transactions on Wireless Communications* (submission: 04 Jul 2021, 1<sup>st</sup> results: 17 Dec 2021, 1<sup>st</sup> revision: 12 Feb 2022, 2<sup>nd</sup> results: 02 May 2022, 2<sup>nd</sup> revision: 01 Jun 2022 → acceptance: 19 Jul 2022).
- || Weili Wang, Chengchao Liang, Qianbin Chen, Lun Tang, and Halim Yanikomeroglu, “Distributed online anomaly detection for virtualized network slicing environment”,
- *IEEE Transactions on Network and Service Management* (submission: 10 Mar 2020 → **reject**: 02 May 2020);
  - *IEEE/ACM Transactions on Networking* (submission: 21 Jul 2020 → **reject**: 26 Jul 2021);
  - *IEEE Transactions on Vehicular Technology* (submission: 09 Sep 2021, 1<sup>st</sup> results: 13 Dec 2021, 1<sup>st</sup> revision: 28 Dec 2021, 2<sup>nd</sup> results: 08 Apr 2022, 2<sup>nd</sup> revision: 13 Apr 2022 → **accept**: 12 Jul 2022). [[arXiv](#)] [[ResearchGate](#)].
- || Wael Jaafar and Halim Yanikomeroglu, “HAPS-ITS: Enabling future ITS services in trans-continental highways”,
- *IEEE Communications Magazine* (submission: 10 May 2021, 1<sup>st</sup> results: 20 Jun 2021, 1<sup>st</sup> revision: 17 Aug 2021 → **reject**: 24 Sep 2021);
  - *IEEE Communications Magazine* (resubmission: 17 Jan 2022, 1<sup>st</sup> results: 13 Mar 2022, 1<sup>st</sup> revision: 09 May 2022, 2<sup>nd</sup> results: 05 Jun 2022, 2<sup>nd</sup> revision: 08 Jun 2022 → **accept**: 19 Jun 2022). [[arXiv](#)] [[ResearchGate](#)]
- || Tasneem Darwish, Gunes Kurt, Halim Yanikomeroglu, Guillaume Lamontagne, and Michel Bellemare, “Location management in IP-based future LEO satellite networks: A review”,
- *IEEE Communications Surveys and Tutorials* (submission: 18 Jan 2021 → **reject**: 23 May 2021);
  - *Proceedings of the IEEE* (submission: 10 Jun 2021 → **reject**: 28 Nov 2021);
  - *IEEE Open Journal of the Communications Society* (submission: 13 Feb 2022, 1<sup>st</sup> results: 04 Mar 2022, 1<sup>st</sup> revision: 15 May 2022 → **accept**: 22 Jun 2022). [[arXiv](#)] [[ResearchGate](#)]
- || Wael Jaafar, Lina Bariah, Sami Muhaidat, and Halim Yanikomeroglu, “Time-switching and phase-shifting control for RIS-assisted SWIPT communications”,
- *IEEE Transactions on Vehicular Technology* (submission: 14 Feb 2021, 1<sup>st</sup> results: 01 Jun 2021, 1<sup>st</sup> revision: 01 Aug 2021 → **reject**: 14 Sep 2021);
  - *IEEE Wireless Communications Letters* (submission: 19 Jan 2022, 1<sup>st</sup> results: 20 Feb 2022, 1<sup>st</sup> revision: 02 May 2022 → **accept**: 25 May 2022).

[] Olfa Ben Yahia, Eylem Erdogan, Gunes Karabulut Kurt, Ibrahim Altunbas, and Halim Yanikomeroglu, “Optical satellite eavesdropping”,

- *IEEE Transactions on Vehicular Technology* (submission: 03 Dec 2021, 1<sup>st</sup> results: 30 Jan 2022, 1<sup>st</sup> revision: 01 Apr 2022 → **accept**: 10 May 2022). [[arXiv](#)] [[ResearchGate](#)]

[] Ferdi Kara, Hakan Kaya, and H. Yanikomeroglu, “Power-time channel diversity (PTCD): A novel resource efficient diversity technique”,

- *IEEE Wireless Communications Letters* (submission: 10 Feb 2022, 1<sup>st</sup> results: 17 Mar 2022, 1<sup>st</sup> revision: 05 Apr 2022 → **accept**: 06 May 2022).

[] Qiqi Ren, Omid Abbasi, Gunes Karabulut Kurt, Halim Yanikomeroglu, and Jian Chen, “Caching and computation offloading in high altitude platform station (HAPS) assisted intelligent transportation systems”,

- *IEEE Transactions on Wireless Communications* (submission: 31 May 2021, 1<sup>st</sup> results: 15 Sep 2021, 1<sup>st</sup> revision: 25 Nov 2021, 2<sup>nd</sup> results: 28 Mar 2022, 2<sup>nd</sup> revision: 27 Apr 2022 → **accept**: 27 Apr 2022). [[arXiv](#)] [[ResearchGate](#)]

[] Hichem Semira, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Error performance analysis of multi-user detection in uplink-NOMA with adaptive M-QAM”,

- *IEEE Wireless Communications Letters* (submission: 07 Jan 2022, 1<sup>st</sup> results: 13 Feb 2022, 1<sup>st</sup> revision: 03 Apr 2022 → **accept**: 22 Apr 2022).

[] Michel Kulhandjian, Hovannes Kulhandjian, Claude D’Amours, Halim Yanikomeroglu, Dimitris A. Pados, and Gurgen Khachatryan, “Low-complexity decoder for overloaded uniquely decodable synchronous CDMA”,

- *IEEE Transactions on Information Theory* (submission: 31 Oct 2019 → **reject**: 16 Mar 2020; resubmission: 08 Mar 2021 → **reject**: 02 Aug 2021);
- *IEEE Open Journal of the Communications Society* (submission: 09 Sep 2021, 1<sup>st</sup> results: 04 Oct 2021, 1<sup>st</sup> revision: 10 Nov 2021 → **reject**: 26 Dec 2021);
- *IEEE Access* (submission: 01 Jan 2022, 1<sup>st</sup> results: 19 Feb 2022, 1<sup>st</sup> revision: 19 Mar 2022 → **accept**: 14 Apr 2022).. [[arXiv](#)] [[ResearchGate](#)]

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

- *IEEE Transactions on Communications* (submission: 08 Mar 2021 → **reject**: 18 May 2021);
- *IEEE Transactions on Vehicular Technology* (submission: 27 Jun 2021 → **reject**: 11 Aug 2021); “Joint optimization of power allocation and circularity coefficients in full-duplex NOMA relaying systems using improper Gaussian signaling”;
- *IEEE Systems Journal* (submission: 22 Aug 2021 → **reject**: 19 Sep 2021); “Energy efficiency maximization of full-duplex NOMA systems with improper Gaussian signaling under imperfect self-interference cancellation”;
- *IEEE Communications Letters* (submission: 14 Oct 2021). (submission: 14 Oct 2021, 1<sup>st</sup> results: 18 Nov 2021, 1<sup>st</sup> revision: 01 Jan 2022, 2<sup>nd</sup> results: 03 Feb 2022, 2<sup>nd</sup> revision: 11 Feb 2022, 3<sup>rd</sup> result: 10 Mar 2022, 3<sup>rd</sup> revision: 25 Mar 2022, 4<sup>th</sup> results: 03 Apr 2022, 4<sup>th</sup> revision: 11 Apr 2022 → **accept**: 13 Apr 2022).

[] Kursat Tekbiyik, Gunes Karabulut Kurt, Ali Riza Ekti, and Halim Yanikomeroglu, “Reconfigurable intelligent surfaces in action for non-terrestrial networks”,

- *IEEE Communications Magazine* (submission: 01 Dec 2020 → **reject**: 24 Feb 2021);

- *IEEE Wireless Communications Magazine* (submission: 30 Mar 2021 → **reject**: 04 Jun 2021);
  - *IEEE Vehicular Technology Magazine* (submission: 22 Nov 2021, 1<sup>st</sup> results: 31 Jan 2022, 1<sup>st</sup> revision: 24 Feb 2022 → **accept**: 12 Apr 2022) [[arXiv](#)] [[ResearchGate](#)]
- || Elaheh Vaezpour, Layla Majzoubi, Mohammad Akbari, Saeedeh Parsaeefard, and Halim Yanikomeroglu, “A deep learning-based approach for cell outage compensation in NOMA networks”,
- *IEEE Access* (submission: 07 May 2021 → **reject**: 26 May 2021; resubmission: 25 Jul 2021 → **reject**: 07 Aug 2021);
  - *IEEE Open Journal of Vehicular Technology* (submission: 09 Sep 2021, reject-and-resubmit: 04 Oct 2021, resubmit: 09 Mar 2022 → **accept**: 30 Mar 2022).
- || Tasneem Darwish, Gunes Karabulut Kurt, Halim Yanikomeroglu, Michel Bellemare, and Guillaume Lamontagne, “LEO satellites in 5G and beyond networks: A review from a standardization perspective”,
- *IEEE Internet of Things Journal* (submission: 10 Oct 2021 → **editor-reject**: 28 Oct 2021);
  - *IEEE Communications Surveys and Tutorials* (submission: 05 Nov 2021 → **editor-reject**: 06 Nov 2021);
  - *IEEE Access* (submission: 10 Nov 2021, 1<sup>st</sup> results: 09 Dec 2021, 1<sup>st</sup> revision: 14 Jan 2022, 2<sup>nd</sup> results: 15 Feb 2022, 2<sup>nd</sup> revision: 24 Feb 2022 → **accept**: 16 Mar 2022). [[arXiv](#)] [[ResearchGate](#)]
- || Yucel Aydin, Gunes Karabulut Kurt, Enver Ozdemir, and Halim Yanikomeroglu, “Authentication and handover challenges and methods for drone swarms”,
- *IEEE Journal of Radio Frequency Identification* (submission: 14 Jan 2022 → **accept**: 02 Mar 2022). [[arXiv](#)] [[ResearchGate](#)]
- || Tuheen Ahmmed, Afsoon Alidadi, Zichao Zhang, Aizaz U. Chaudhry, and Halim Yanikomeroglu, “The digital divide in Canada and the role of LEO satellites in bridging the gap”,
- *IEEE Communications Magazine* (submission: 13 Sep 2021, 1<sup>st</sup> results: 07 Dec 2021, 1<sup>st</sup> revision: 19 Jan 2022 → **accept**: 01 Mar 2022).
- || Aizaz U. Chaudhry and Halim Yanikomeroglu, “When to crossover from Earth to space for lower latency data communications?”,
- *IEEE Transactions on Aerospace and Electronic Systems* (submission: 13 Aug 2021, 1<sup>st</sup> results: 22 Oct 2021, 1<sup>st</sup> revision: 29 Nov 2021, 2<sup>nd</sup> results: 27 Jan 2022, 2<sup>nd</sup> revision: 21 Feb 2022 → **accept**: 24 Feb 2022).
- || Olfa Ben Yahia, Eylem Erdogan, Gunes Karabulut Kurt, Ibrahim Altunbas, and Halim Yanikomeroglu, “HAPS selection for hybrid RF/FSO satellite networks”,
- *IEEE Transactions on Aerospace and Electronic Systems* (submission: 02 Jul 2021, 1<sup>st</sup> results: 04 Oct 2021, 1<sup>st</sup> revision: 17 Nov 2021 → **accept**: 01 Jan 2022). [[arXiv](#)] [[ResearchGate](#)]
- || Eylem Erdogan, Ibrahim Altunbas, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Cooperation in space: HAPS-aided optical inter-satellite connectivity with opportunistic scheduling”,
- *IEEE Communications Letters* (submission: 19 Jul 2021, 1<sup>st</sup> results: 17 Aug 2021, 1<sup>st</sup> revision: 30 Oct 2021, 2<sup>nd</sup> results: 24 Nov 2021, 2<sup>nd</sup> revision: 14 Dec 2021 → **accept**: 31 Dec 2021). [[arXiv](#)]
- || Goldwyn Millar, Michel Kulhandjian, Ayse Alaca, Saban Alaca, Claude D’Amours, and Halim Yanikomeroglu, “Low-density spreading design based on an algebraic scheme for NOMA systems”,
- *IEEE Communications Letters* (submission: 21 Oct 2020 → **reject**: 12 Nov 2020);
  - *IEEE Wireless Communications Letters* (submission: 09 Mar 2021 → **editor-reject**: 09 Mar 2021; resubmission: 12 Mar 2021, 1<sup>st</sup> results: 08 Apr 2021, **missed resubmission deadline**; resubmission: 11

Sep 2021, 1<sup>st</sup> results: 07 Sep 2021, 1<sup>st</sup> revision: 03 Dec 2021, 2<sup>nd</sup> results: 22 Dec 2021, 2<sup>nd</sup> revision: 25 Dec 2021 → **accept**: 26 Dec 2021).

|| Sepehr Rezvani, Eduard A. Jorswieck, Roghayeh Joda, and Halim Yanikomeroglu, “Optimal power allocation in downlink multicarrier NOMA systems: Theory and fast algorithms”,

- *IEEE Journal on Selected Areas in Communications* (submission: 15 Jul 2021, 1<sup>st</sup> results: 12 Oct 2021, 1<sup>st</sup> revision: 14 Nov 2021 → **accept**: 16 Dec 2021). [[arXiv](#)] [[ResearchGate](#)]

|| Olfa Ben Yahia, Eylem Erdogan, Gunes Karabulut Kurt, Ibrahim Altunbas, and Halim Yanikomeroglu, “A weather-dependent hybrid RF/FSO satellite communication for improved power efficiency”,

- *IEEE Wireless Communications Letters* (submission: 17 Jun 2021, 1<sup>st</sup> results: 10 Aug 2021, 1<sup>st</sup> revision: 08 Oct 2021 → **accept**: 10 Dec 2021). [[arXiv](#)] [[ResearchGate](#)]

|| Mohammad Hossein Bahonar, Mohammad Javad Omid, and Halim Yanikomeroglu, “Spectral efficient resource allocation for dense D2D communications”,

- *IEEE Transactions on Vehicular Technology* (submission: 05 Oct 2020 → **reject**: 18 Nov 2020).
- “Spectral efficient resource allocation for ultra-dense D2D communications in beyond 5G networks”, *IEEE Transactions on Vehicular Technology* (resubmission: 16 Mar 2021 → **reject**: 02 Jun 2021).
- “Spectral efficient resource allocation for dense D2D communications underlying networks”; *IEEE Access* (submission: 19 Jun 2021, 1<sup>st</sup> results: 01 Jul 2021, 1<sup>st</sup> revision: 14 Jul 2021 → **reject**: 07 Aug 2021).
- “Low-complexity resource allocation for dense cellular vehicle-to-everything (C-V2X) communications”, *IEEE Open Journal of the Communications Society* (submission: 14 Aug 2021, 1<sup>st</sup> results: 07 Sep 2021, 1<sup>st</sup> revision: 04 Nov 2021, 2<sup>nd</sup> results: 25 Nov 2021, 2<sup>nd</sup> revision: 09 Dec 2021 → **accept**: 09 Dec 2021).

|| Mohsen Tajallifar, Ahmad R. Sharafat, and Halim Yanikomeroglu, “Near-optimal QoS-aware hybrid beamforming in mmWave massive MIMO systems”,

- *IEEE Transactions on Wireless Communications* (submission: 27 Jul 2020 → **reject**: 01 Oct 2020);
- “QoS-aware hybrid beamforming in mmWave massive MIMO systems” (resubmission: 25 Dec 2020 → **reject**: 30 Mar 2021);
- “QoS-aware hybrid beamforming with minimal power in mmWave massive MIMO systems”;
- *IEEE Access* (submission: 19 Aug 2021, 1<sup>st</sup> results: 17 Sep 2021, 1<sup>st</sup> revision: 04 Nov 2021 → **accept**: 29 Nov 2021).

|| Nizar Masmoudi, Wael Jaafar, Safa Cherif, Jihene Ben Abderrazak, and Halim Yanikomeroglu, “UAV-based crowd surveillance in post COVID-19 era”,

- *IEEE Access* (submission: 09 Oct 2021 → **accept**: 25 Nov 2021).

|| Eylem Erdogan, Ibrahim Altunbas, and Gunes Karabulut Kurt, “On the secrecy comparison of RF and FSO eavesdropping attacks in mixed RF-FSO relay networks”,

- *IEEE Transactions on Vehicular Technology* (**reject**);
- *IEEE Sensors Journal* (**reject**).
- Eylem Erdogan, Ibrahim Altunbas, Gunes Karabulut Kurt, and Halim Yanikomeroglu, *IEEE Photonics Journal* (submission: 17 Sep 2021, 1<sup>st</sup> results: 09 Oct 2021, 1<sup>st</sup> revision: 27 Oct 2021 → **accept**: 09 Nov 2021).

|| Ahmed Ibrahim, Ebrahim Bedeer, and Halim Yanikomeroglu, “A novel low complexity faster-than-Nyquist (FTN) signaling detector for ultra high-order QAM”,

- *IEEE Transactions on Communications* (submission: 23 Feb 2021 → **reject**: 10 May 2021);

- *IEEE Transactions on Vehicular Technology* (submission: 24 Jun 2021 → **reject** (out of scope): 27 Jun 2021); *IEEE Transactions on Green Communications and Networking* (submission: 01 Jul 2021 → **reject** (out of scope): 16 Jul 2021);
- *IEEE Open Journal of the Communications Society* (submission: 16 Jul 2021, 1<sup>st</sup> results: 12 Aug 2021, 1<sup>st</sup> revision: 25 Aug 2021 → **reject**: 11 Sep 2021, appeal: 03 Oct 2021, 3<sup>rd</sup> results: 20 Oct 2021, 3<sup>rd</sup> revision: 02 Nov 2021 → **accept**: 04 Nov 2021). [[arXiv](#)] [[ResearchGate](#)]

|| Pouya M. Ghari, Maryam Sabbaghian, and Halim Yanikomeroglu, “Moving aerial anchors assisted network localization”,

- *IEEE Transactions on Wireless Communications* (submission: 03 Jun 2019 → **reject**: 22 Aug 2019;
- resubmission: 31 Dec 2020, 1<sup>st</sup> results: 11 Apr 2021, 1<sup>st</sup> revision: 20 May 2021, 2<sup>nd</sup> results: 29 Jul 2021, 2<sup>nd</sup> revision: 31 Aug 2021 → **accept**: 25 Oct 2021).

|| Atefeh Hajijamali Arani, M. Mahdi Azari, Peng Hu, Yeying Zhu, Halim Yanikomeroglu, and Safieddin Safavi-Naeini, “Green sky: Reinforcement learning for energy-efficient trajectory design of UAVs”,

- *IEEE Internet of Things Journal* (submission: 04 May 2021, 1<sup>st</sup> results: 15 Jul 2021, 1<sup>st</sup> revision: 13 Aug 2021, conditional accept: 04 Sep 2021 → **accept**: 02 Oct 2021).

|| Kursat Tekbiyik, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Energy-efficient RIS-assisted satellites for IoT networks”,

- *IEEE Internet of Things Journal* (submission: 15 Jan 2021, 1<sup>st</sup> results: 30 Apr 2021, 1<sup>st</sup> revision: 21 May 2021 → **accept**: 10 Sep 2021). [[arXiv](#)] [[ResearchGate](#)]

|| Michel Kulhandjian, Gunes Karabulut Kurt, Hovannes Kulhandjian, Halim Yanikomeroglu, and Claude D’Amours, “NOMA computation over multi-access channels for multimodal sensing”,

- *IEEE Wireless Communications Letters* (submission: 26 Mar 2021, 1<sup>st</sup> results: 14 Jun 2021, 1<sup>st</sup> revision: 16 Jul 2021 → **accept**: 19 Aug 2021).

|| Safwan Alfattani, Wael Jaafar, Yassine Hmamouche, Halim Yanikomeroglu, and Abbas Yongacoglu, “Link budget analysis for reconfigurable smart surfaces in aerial platforms”,

- *IEEE Open Journal of the Communications Society* (submission: 21 Mar 2021, 1<sup>st</sup> results: 26 Apr 2021, 1<sup>st</sup> revision: 24 Jun 2021, 2<sup>nd</sup> results: 22 Jul 2021, 2<sup>nd</sup> revision: 05 Aug 2021 → **accept**: 13 Aug 2021). [[arXiv](#)] [[ResearchGate](#)]

|| Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “A lightweight machine learning assisted power optimization for minimum error in NOMA-CRS over Nakagami-m channels”,

- *IEEE Transactions on Vehicular Technology* (submission: 20 Feb 2021, 1<sup>st</sup> results: 12 Apr 2021, 1<sup>st</sup> revision: 12 Jun 2021 → **accept**: 11 Aug 2021).

|| Oussama Ghdiri, Wael Jaafar, Safwan Alfattani, Jihene Ben Abderrazak, and Halim Yanikomeroglu, “Offline and online UAV-enabled data collection in time-constrained IoT networks”,

- *IEEE Transactions on Green Communications and Networking* (submission: 20 Jan 2021, 1<sup>st</sup> results: 21 Apr 2021, 1<sup>st</sup> revision: 20 May 2021, 2<sup>nd</sup> results: 18 Jun 2021, 2<sup>nd</sup> revision: 16 Jul 2021 → **accept**: 08 Aug 2021).

|| Hichem Semira, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Multi-user joint maximum-likelihood detection in uplink IoT NOMA networks: Removing the error floor”,

- *IEEE Wireless Communications Letters* (submission: 25 Apr 2021, 1<sup>st</sup> results: 28 May 2021, 1<sup>st</sup> revision: 17 Jul 2021 → **accept**: 06 Aug 2021).

[] Tasneem Darwish, Gunes Karabulut Kurt, Halim Yanikomeroglu, Gamini Senarath, and Peiyang Zhu, “An intelligent vertical HetNet (I-VHetNet) architecture: A vision of self-evolving networks”,

- *IEEE Wireless Communications Magazine* (submission: 20 Apr 2020 → **reject**: 04 Jun 2020);
- “A vision of self-evolving network management for future intelligent vertical HetNet”, *IEEE Wireless Communications Magazine* (submission: 04 Sep 2020, 1<sup>st</sup> results: 22 Jan 2021, 1<sup>st</sup> revision: 08 Mar 2021 → **accept**: 05 Jul 2021).

[] Nesrine Cherif, Wael Jaafar, Halim Yanikomeroglu, and Abbas Yongacoglu, “3D Aerial highways: The key enabler of the retail industry transformation”,

- *IEEE Communications Magazine* (submission: 20 Sep 2020 → **reject**: 17 Nov 2020);
- *IEEE Communications Magazine* (resubmission: 21 Jan 2021, 1<sup>st</sup> results: 13 Mar 2021, 1<sup>st</sup> revision: 21 Apr 2021, 2<sup>nd</sup> results: 12 Jun 2021, 2<sup>nd</sup> revision: 17 Jun 2021 → **accept**: 22 Jun 2021). [[arXiv](#)] [[ResearchGate](#)]

[] Rawan Alkurd, Ibrahim Abualhaol, and Halim Yanikomeroglu, “Preserving user privacy in personalized networks”,

- *IEEE Wireless Communications Letters* (submission: 10 Jul 2020 → **reject**: 21 Sep 2020);
- *IEEE Transactions on Vehicular Technology* (submission: 27 Sep 2020 → **reject**: 22 Dec 2020);
- *IEEE Networking Letters* (submission: 31 Dec 2020, 1<sup>st</sup> results: 09 Apr 2021, 1<sup>st</sup> revision: 24 Apr 2021 → **accept**: 19 Jun 2021).

[] Md Sahabul Alam, Bassant Selim, Imtiaz Ahmed, Georges Kaddoum, and Halim Yanikomeroglu, “Bursty impulsive noise mitigation in NOMA: A MAP receiver-based approach”,

- *IEEE Communications Letters* (submission: 24 Jan 2021, 1<sup>st</sup> results: 17 Feb 2021, 1<sup>st</sup> revision: 03 May 2021, 2<sup>nd</sup> results: 21 May 2021, 2<sup>nd</sup> revision: 11 May 2021 → **accept**: 11 May 2021).

[] Caner Goztepe, Saliha Büyükçorak, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Localization threats in next generation wireless networks”,

- *IEEE Communications Magazine* (submission: 19 May 2020 → **reject**: 16 Aug 2020);
- *IEEE Communications Magazine* (resubmission: 08 Dec 2020, 1<sup>st</sup> results: 09 Feb 2021, 1<sup>st</sup> revision: 24 Mar 2021, 2<sup>nd</sup> results: 11 May 2021, 2<sup>nd</sup> revision: 31 May 2021 → **accept**: 02 Jun 2021).

[] Zhaleh Sadreddini, Erkan Guler, Mohsen Khalily, and Halim Yanikomeroglu, “MRIRS: Mobile ad hoc routing assisted with intelligent reflecting surfaces”,

- *IEEE Transactions on Cognitive Communications and Networking* (submission: 13 Sep 2020 → **reject**: 05 Dec 2020);
- *IEEE Transactions on Cognitive Communications and Networking* (resubmission: 08 Feb 2021, 1<sup>st</sup> results: 05 Apr 2021, 1<sup>st</sup> revision: 30 Apr 2021 → **accept**: 24 May 2021).

[] Gunes Karabulut Kurt and Halim Yanikomeroglu, “Communication, computing, caching, and sensing for next generation aerial delivery networks”,

- *IEEE Vehicular Technology Magazine* (submission: 25 Nov 2020, 1<sup>st</sup> results: 24 Feb 2021, 1<sup>st</sup> revision: 16 Apr 2021 → **accept**: 20 May 2021). [[arXiv](#)] [[ResearchGate](#)]

[] Zahra Rahimi, Mohammad Javad Sobouti, Reza Ghanbari, Seyed Amin Hosseini Seno, Amir Hossein Mohajerzadeh, Hamed Ahmadi, and Halim Yanikomeroglu, “An efficient 3D positioning approach to minimize required UAVs for IoT network coverage”,

- *IEEE Internet of Things Journal* (submission: 07 Oct 2020, 1<sup>st</sup> results: 30 Nov 2020, 1<sup>st</sup> revision: 28 Feb 2021, 2<sup>nd</sup> results: 17 Apr 2021, 2<sup>nd</sup> revision: 01 May 2021 → **accept**: 15 May 2021).

[] Zhaleh Sadreddini and Halim Yanikomeroglu, “A novel centralized cloud-based mobile data rollover management”,

- *IEEE Wireless Communications Magazine* (submission: 07 Apr 2020 → **reject**: 01 May 2020; resubmission: 19 Jun 2020, 1<sup>st</sup> results: 26 Oct 2020, 1<sup>st</sup> revision: 16 Nov 2020, 2<sup>nd</sup> results: 29 Dec 2020, 2<sup>nd</sup> revision: 15 Jan 2021 → **accept**: 30 Jan 2021).

[] Ahmet Burak Ozyurt, Mehmet Basaran, Mine Ardanuc, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “Intra-cell frequency band exiling for green wireless networks”,

- *IEEE Wireless Communications Magazine* (submission: 15 Jan 2020 → **reject**: 28 Apr 2020);
- *IEEE Vehicular Technology Magazine* (submission: 20 Jul 2020 → **editor-reject**: 29 Jul 2020);
- *IEEE Vehicular Technology Magazine* (resubmission: 18 Aug 2020, 1<sup>st</sup> results: 26 Oct 2020, 1<sup>st</sup> revision: 19 Dec 2020 → **accept**: 28 Jan 2021). (Tried at least once before me as well; 4<sup>th</sup> try)

[] Mehmet Cagri Ilter and Halim Yanikomeroglu, “Optimized and SNR-adaptive constellations for convolutional codes in low-latency communications”,

- *IEEE Communications Letters* (submission: 17 Dec 2017 → **reject**: 16 Jan 2018);
- Mehmet Cagri Ilter, Risto Wichman, Jyri Hamalainen, Halim Yanikomeroglu, and Hong-Chuan Yang, “Data-oriented view for convolutional coding with adaptive irregular constellations”, *IEEE Communications Letters* (submission: 20 Aug 2020, 1<sup>st</sup> results: 15 Sep 2020, 1<sup>st</sup> revision: 11 Dec 2020, 2<sup>nd</sup> results: 05 Jan 2020, 2<sup>nd</sup> revision: 26 Jan 2021 → **accept**: 27 Jan 2021).

[] Fatima Ezzahra Airod, Houda Chafnaji, and Halim Yanikomeroglu, “HARQ in full-duplex relay-assisted transmissions for URLLC”,

- *IEEE Transactions on Wireless Communications* (submission: 23 Jan 2020, 1<sup>st</sup> results: 03 May 2020, 1<sup>st</sup> revision: 10 Jun 2020 → **reject**: 15 Aug 2020);
- *Open Journal of the Communications Society* (submission: 17 Sep 2020, 1<sup>st</sup> results: 15 Oct 2020, 1<sup>st</sup> revision: 10 Dec 2020, 2<sup>nd</sup> results: 30 Dec 2020, 2<sup>nd</sup> revision: 08 Jan 2021 → **accept**: 23 Jan 2021).

[] Wael Jaafar and Halim Yanikomeroglu, “Dynamics of quadrotor UAVs for aerial networks: An energy perspective”, *IEEE Wireless Communications Letters* (submission: 14 May 2019 → **reject**: 05 Nov 2019); *IEEE Transactions on Vehicular Technology* (submission: 24 Nov 2019, 1st results: 19 Jan 2020, 1st revision: 16 Mar 2020 → **reject**: 12 May 2020). “Dynamics of laser-charged UAVs: A battery perspective”, *Internet of Things Journal* (submission: 05 Jun 2020, 1<sup>st</sup> results: 15 Oct 2020, 1<sup>st</sup> revision: 09 Nov 2020 → **accept**: 23 Dec 2020).

[] Eylem Erdogan, Ibrahim Altunbas, Nihat Kabaoglu, and Halim Yanikomeroglu, “A cognitive radio enabled RF/FSO communication model for aerial relay networks: Possible configurations and opportunities”,

- *IEEE Vehicular Technology Magazine* (submission: 16 Feb 2020 → **reject**: 21 Jun 2020);
- *IEEE Open Journal of Vehicular Technology* (submission: 14 Jul 2020, 1<sup>st</sup> results: 23 Aug 2020 → **accept**: 11 Dec 2020).

[] Mohammad G. Khoshkholgh and Halim Yanikomeroglu, “Faded-experience trust region policy optimization for model-free power allocation in interference channel”,

- *IEEE Wireless Communications Letters* (submission: 04 Aug 2020 → **reject**: 25 Aug 2020; resubmission: 21 Oct 2020 → **accept**: 08 Dec 2020).

[] Wael Jaafar, Shima Naser, Sami Muhaidat, Paschalis C. Sofotasios, and Halim Yanikomeroglu, “On the downlink performance of RSMA-based UAV networks”,

- *IEEE Wireless Communications Letters* (submission: 22 Jan 2020, 1<sup>st</sup> results: 12 Mar 2020, 1<sup>st</sup> revision: 03 May 2020 → **reject**: 24 May 2020);
- *IEEE Transactions on Vehicular Technology* (submission: 25 May 2020, 1<sup>st</sup> results: 12 Jul 2020, 1<sup>st</sup> revision: 11 Sep 2020 → **accept**: 08 Nov 2020).

|| Wael Jaafar, Shima Naser, Sami Muhaidat, Paschalis C. Sofotasios, and Halim Yanikomeroglu, “Multiple access in aerial networks: From orthogonal and non-orthogonal to rate-splitting”,

- *IEEE Access* (submission: 18 Jan 2020, 1<sup>st</sup> results: 08 Feb 2020, 1<sup>st</sup> revision: 02 Mar 2020 → **reject**: 16 Mar 2020);
- *IEEE Open Journal of Vehicular Technology* (submission: 25 May 2020 → **reject**: 12 Jul 2020; resubmission: 10 Aug 2020, 1<sup>st</sup> results: 23 Aug 2020, 1<sup>st</sup> revision: 13 Oct 2020 → **accept**: 18 Oct 2020).

|| Nesrine Cherif, Mohamed Alzenad, Halim Yanikomeroglu, and Abbas Yongacoglu, “Downlink coverage and rate analysis of an aerial user in vertical heterogeneous networks (VHetNets)”,

- *IEEE Transactions on Communications* (submission: 22 Oct 2019 → **reject**: 31 Jan 2020);
- *IEEE Transactions on Wireless Communications* (submission: 21 Mar 2020, 1<sup>st</sup> results: 02 Jun 2020, 1<sup>st</sup> revision: 06 Jul 2020, 2<sup>nd</sup> results: 24 Aug 2020, 2<sup>nd</sup> revision: 10 Sep 2020 → **accept**: 17 Oct 2020).

|| Talal Edwan, Ashraf Tahat, Halim Yanikomeroglu, and Jon Crowcroft, “An analysis of a Stochastic ON-OFF queuing mobility model for software-defined vehicle networks”,

- *IEEE Transactions on Vehicular Technology* (submission: 03 Feb 2019, editor-reject: 04 Feb 2019, resubmission: 16 Feb 2019 → **reject**: 13 Jun 2019);
- *IEEE Transactions on Mobile Computing* (submission: 14 Jul 2019, 1<sup>st</sup> results: 01 Nov 2019, 1<sup>st</sup> revision: 20 Feb 2020, 2<sup>nd</sup> results: 20 May 2020, 2<sup>nd</sup> revision: 17 Aug 2020 → **accept**: 05 Oct 2020).

|| Cihan Tugrul Cicek, Hakan Gultekin, Bulent Tavli, and Halim Yanikomeroglu, “Backhaul-aware placement of a UAV base station with bandwidth allocation for user-centric operation and revenue maximization”,

- *IEEE Transactions on Wireless Communications* (submission: 19 Mar 2019 → **reject**: 20 May 2019);
- *IEEE Access* (submission: 20 Jan 2020, 1<sup>st</sup> results: 19 Feb 2020, 1<sup>st</sup> revision: 09 Jul 2020 → **accept**: 19 Aug 2020).

|| Mohammad R. Abedi, Mohammad R. Javan, Nader Mokari, and Halim Yanikomeroglu, “3D-MIMO dual communications in SCMA-based secure HetNets”,

- *IEEE Transactions on Vehicular Technology* (submission: 25 May 2019 → **reject**: 17 Sep 2019);
- *IEEE Transactions on Vehicular Technology* (resubmission: 01 Dec 2019, 1<sup>st</sup> results: 19 Jan 2020, 1<sup>st</sup> revision: 14 Mar 2020, 2<sup>nd</sup> results: 31 Mar 2020, 2<sup>nd</sup> revision: 26 Apr 2020 → **accept**: 03 May 2020).

|| Lina Bariah, Sami Muhaidat, Paschalis Sofotasios, Sanjeev Gurugopinath, Walaa Hamouda, and Halim Yanikomeroglu, “Non-orthogonal multiple access in presence of additive generalized Gaussian noise”,

- *IEEE Communications Letters* (submission: 12 Jan 2020, 1<sup>st</sup> results: 12 Feb 2020, 1<sup>st</sup> revision: 27 Feb 2020, 2<sup>nd</sup> results: 23 Mar 2020, 2<sup>nd</sup> revision: 13 Apr 2020 → **accept**: 05 May 2020).

|| Elham Kalantari, Halim Yanikomeroglu, and Abbas Yongacoglu, “Wireless networks with cache-enabled and backhaul-limited aerial base stations”,

- *IEEE Transactions on Wireless Communications* (submission: 01 Nov 2019, 1<sup>st</sup> results: 18 Jan 2020, 1<sup>st</sup> revision: 13 Mar 2020, 2<sup>nd</sup> results: 24 Apr 2020, 2<sup>nd</sup> revision: 26 May 2020 → **accept**: 07 Jul 2020).

|| Yucel Aydin, Enver Ozdemir, Gunes Kurt, and Halim Yanikomeroglu, “A flexible and lightweight group authentication scheme”,

- *IEEE Internet of Things Journal* (submission: 12 Sep 2019 → **reject**: 02 Nov 2019; resubmit: 15 Jan 2020, 1<sup>st</sup> results: 12 Mar 2020, 1<sup>st</sup> revision: 28 Mar 2020, 2<sup>nd</sup> results: 22 Apr 2020, 2<sup>nd</sup> revision: 30 Apr 2020 → **accept**: 16 Jun 2020).
- 

[] Safwan Alfattani, Wael Jaafar, Yassine Hmamouche, Halim Yanikomeroglu, Abbas Yongacoglu, Ngoc Dung Dao, and Peiying Zhu, “Aerial platforms with reconfigurable smart surfaces for 5G and beyond”,

- *IEEE Communications Magazine* (submission: 26 May 2020, 1<sup>st</sup> results: 15 Jul 2020, 1<sup>st</sup> revision: 28 Aug 2020, 2<sup>nd</sup> results: 16 Oct 2020, 2<sup>nd</sup> revision: 20 Oct 2020 → **accept**: 23 Oct 2020). [[arXiv](#)] [[ResearchGate](#)]

[] Md Sahabul Alam, Gunes Karabulut Kurt, Halim Yanikomeroglu, Peiying Zhu, and Ngoc-Dung Dao, “High altitude platform station based super macro base station (HAPS-SMBS) constellations”,

- *IEEE Communications Magazine* (submission: 07 Jul 2020, 1<sup>st</sup> results: 10 Aug 2020, 1<sup>st</sup> revision: 15 Sep 2020, 2<sup>nd</sup> results: 20 Oct 2020 → **accept**: 27 Oct 2020). [[arXiv](#)] [[ResearchGate](#)]

[] Cihan Emre Kement, Bulent Tavli, Hakan Gultekin, and Halim Yanikomeroglu, “Holistic privacy for electricity, water, and natural gas metering in next generation smart homes”,

- *IEEE Communications Magazine* (submission: 27 Apr 2020, 1<sup>st</sup> results: 30 Jun 2020, 1<sup>st</sup> revision: 13 Aug 2020, 2<sup>nd</sup> results: 03 Oct 2020, 2<sup>nd</sup> revision: 11 Oct 2020 → **accept**: 28 Oct 2020). [[arXiv](#)] [[ResearchGate](#)]

[] Mohammad Khoshkholgh and Halim Yanikomeroglu, “Learning power control from a fixed batch of data”,

- *IEEE Wireless Communications Letters* (submission: 20 Jul 2020 → **reject**: 17 Aug 2020; resubmission: 07 Oct 2020 → **accept**: 01 Nov 2020).

[] Aditya S. Rajasekaran, Omar Maraqa, Hamza Umit Sokun, Halim Yanikomeroglu, and Saad Al-Ahmadi, “User clustering in mmWave-NOMA systems with user decoding capability constraints”,

- *IEEE Access* (submission: 12 Sep 2020, 1<sup>st</sup> results: 24 Oct 2020, 1<sup>st</sup> revision: 09 Nov 2020, **accept**: 16 Nov 2020).

[] Maedeh Hojjati, Alireza Shafieinejad, and Halim Yanikomeroglu, “A blockchain-based authentication and key agreement (AKA) protocol for 5G networks”,

- *IEEE Access* (submission: 14 Oct 2020, **accept**: 20 Nov 2020).

[] Medhat Elsayed, Melike Erol-Kantarci, and Halim Yanikomeroglu, “Transfer reinforcement learning for 5G-NR mm-wave networks”,

- *IEEE Transactions on Wireless Communications* (submission: 21 May 2020, 1<sup>st</sup> results: 10 Aug 2020, 1<sup>st</sup> revision: 10 Sep 2020, **accept**: 01 Dec 2020).

[] Eylem Erdogan, Ibrahim Altunbas, Gunes Karabulut Kurt, Michel Bellemare, Guillaume Lamontagne, and Halim Yanikomeroglu, “Site diversity in downlink optical satellite networks through ground station selection”,

- *IEEE Access* (submission: 26 Sep 2020, 1<sup>st</sup> results: 20 Oct 2020, 1<sup>st</sup> revision: 29 Jan 2021, **accept**: 10 Feb 2021). [[arXiv](#)] [[ResearchGate](#)]

[] Ahmet Emir, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Multi-user detection for uplink grant-free NOMA IoT networks via deep learning”,

- *IEEE Wireless Communications Letters* (submission: 16 Dec 2020, 1<sup>st</sup> results: 03 Jan 2021, 1<sup>st</sup> revision: 01 Feb 2021, **accept**: 15 Feb 2021).

|| Jalal Khamse-Ashari, Gamini Senarath, Irem Bor-Yaliniz, and Halim Yanikomeroglu, “An agile and distributed mechanism for inter-domain network slicing in next-generation mobile networks”,

- *IEEE Transactions on Mobile Computing* (submission: 11 Nov 2019, 1<sup>st</sup> results: 07 Feb 2020, 1<sup>st</sup> revision: 26 Apr 2020, 2<sup>nd</sup> results: 24 Jul 2020, 2<sup>nd</sup> revision: 03 Sep 2020, 3<sup>rd</sup> results: 01 Oct 2020, 3<sup>rd</sup> revision: 07 Dec 2020, 4<sup>th</sup> results: 11 Jan 2021, 4<sup>th</sup> revision: 24 Jan 2021, **accept**: 15 Feb 2021).

|| Yassine Hmamouche, Mustapha Benjillali, Samir Saoudi, Halim Yanikomeroglu, and Marco Di Renzo, “A novel survey of Stochastic geometry in wireless networks: Underlying theory, recent applications, and future horizons”,

- *IEEE Communications Surveys and Tutorials* (submission: 09 Nov 2019, 1st results: 20 Jan 2020, 1st revision: 10 Mar 2020 → **reject**: 22 Apr 2020),
- *Proceedings of the IEEE* (submission: 03 May 2020, 1<sup>st</sup> results: 09 Nov 2020, 1<sup>st</sup> revision: 16 Dec 2020, 2<sup>nd</sup> results: 25 Jan 2021, 2<sup>nd</sup> revision: 08 Feb 2021, **accept**: 17 Feb 2021).

|| Atefeh Rezaei, Paeiz Azmi, Nader Mokari, Mohammad Reza Javan, and Halim Yanikomeroglu, “Robust resource allocation for cooperative MISO-NOMA-based heterogeneous networks”,

- *IEEE Transactions on Communications* (submission: 18 May 2020 → **reject**: 26 Jul 2020; resubmission: 16 Oct 2020, 1<sup>st</sup> results: 26 Dec 2020, 1<sup>st</sup> revision: 08 Jan 2021, **accept**: 21 Feb 2021).

|| Gunes Kurt, Mohammad G. Khoshkholgh, Safwan Alfattani, Ahmed Ibrahim, Tasneem S. J. Darwish, Md Sahabul Alam, Halim Yanikomeroglu, and Abbas Yongacoglu, “A vision and framework for the high altitude platform station (HAPS) networks of the future”,

- *IEEE Communications Surveys and Tutorials* (submission: 23 Jul 2020, 1<sup>st</sup> results: 22 Oct 2020, 1<sup>st</sup> revision: 19 Jan 2021, **accept**: 21 Feb 2021). [[arXiv](#)] [[ResearchGate](#)]

|| Aizaz U. Chaudhry and Halim Yanikomeroglu, “Laser inter-satellite links in a Starlink constellation”,

- *IEEE Vehicular Technology Magazine* (submission: 03 Nov 2020, 1<sup>st</sup> results: 10 Jan 2021, 1<sup>st</sup> revision: 23 Jan 2021, **accept**: 26 Feb 2021).

|| Haitham S. Khallaf, Murat Uysal, Kazutoshi Kato, Ehab Mahmoud Mohamed, Sadiq M. Sait, and Halim Yanikomeroglu, “Composite fading model for aerial MIMO FSO links in the presence of atmospheric turbulence and pointing errors”,

- *IEEE Wireless Communications Letters* (submission: 28 Nov 2020, 1<sup>st</sup> results: 21 Dec 2020, 1<sup>st</sup> revision: 09 Feb 2021, **accept**: 28 Feb 2021).

|| Zhaleh Sadreddini, Ilknur Donmez, and Halim Yanikomeroglu, “Cancel-for-any-reason insurance recommendation using customer transaction-based SOM segmentation”,

- *IEEE Access* (submission: 10 Nov 2020, 1st results: 24 Nov 2020, 1st revision: 07 Dec 2020 → **reject**: 18 Jan 2021);
- “Cancel-for-any-reason insurance recommendation using customer transaction-based clustering”, *IEEE Access* (resubmission: 01 Feb 2021, 1<sup>st</sup> results: 09 Feb 2021, discussion with EiC, **accept**: 04 Mar 2021).

|| Abdulla Mahmoud, Sami Muhaidat, Paschalis Sofotasios, Ibrahim Abualhaol, Octavia A. Dobre, and Halim Yanikomeroglu, “Intelligent reflecting surfaces assisted UAV communications for IoT networks: Performance analysis”,

- *IEEE Transactions on Green Communications and Networking* (submission: 21 Oct 2020, 1<sup>st</sup> results: 17 Dec 2020, 1<sup>st</sup> revision: 16 Jan 2021, **accept**: 15 Mar 2021).

[] Yucel Aydin, Gunes Karabulut Kurt, Enver Ozdemir, and Halim Yanikomeroglu, “Group handover for drone-mounted base stations”,

- *IEEE Internet of Things Journal* (submission: 16 Dec 2020, 1<sup>st</sup> results: 09 Feb 2021, 1<sup>st</sup> revision: 04 Mar 2021, **accept**: 16 Mar 2021). [[arXiv](#)]

[] Amir Mehrabian, Maryam Sabbaghian, and Halim Yanikomeroglu, “Deep spectrum sensing with convolutional neural networks in symmetric  $\alpha$ -stable noise model”,

- *IEEE Transactions on Communications* (submission: 09 Jul 2020 → **reject**: 11 Sep 2020);
- “Spectrum Sensing for Symmetric  $\alpha$ -Stable Noise Model with Convolutional Neural Networks”, *IEEE Transactions on Communications* (resubmission: 11 Oct 2020, 1<sup>st</sup> results: 18 Dec 2020, 1<sup>st</sup> revision: 06 Feb 2021, **accept**: 24 Mar 2021).

[] Ahmed Ibrahim, Ebrahim Bedeer, and Halim Yanikomeroglu, “A novel low complexity faster-than-Nyquist signaling detector based on the primal-dual predictor-corrector interior point method”,

- *IEEE Communications Letters* (submission: 27 Nov 2020, 1<sup>st</sup> results: 24 Dec 2020, 1<sup>st</sup> revision: 09 Mar 2021, **accept**: 02 April 2021). [[ResearchGate](#)]

[] Ahmet Emir, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Deep learning empowered semi-blind joint detection in cooperative NOMA”,

- *IEEE Access* (submission: 27 Jan 2021, 1<sup>st</sup> results: 27 Feb 2021, 1<sup>st</sup> revision: 27 Mar 2021, **accept**: 14 Apr 2021).

[] Zhitong Xing, Kaiming Liu, Yuanan Liu, Aditya S. Rajasekaran, and Halim Yanikomeroglu, “A hybrid companding and clipping scheme for PAPR reduction in OFDM systems”,

- *IEEE Transactions on Vehicular Technology* (submission: 18 Mar 2020 → **reject**: 23 Apr 2020);
- *IEEE Transactions on Communications* (submission: 18 Aug 2020 → **reject**: 23 Oct 2020);
- “A hybrid companding and clipping scheme for PAPR reduction in OFDM systems and its application in massive MIMO-OFDM systems”, *IEEE Access* (submission: 22 Dec 2020, 1<sup>st</sup> results: 12 Jan 2021, 1<sup>st</sup> revision: 24 Jan 2021, 2<sup>nd</sup> results: 01 Mar 2021, 2<sup>nd</sup> revision: 08 Mar 2021, 3<sup>rd</sup> results: 23 Mar 2021, 3<sup>rd</sup> revision: 25 Mar 2021, **accept**: 15 Apr 2021).

[] Ozan Alp Topal, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Securing the inter-spacecraft links: Doppler frequency shift based physical layer key generation”,

- *IEEE Journal of Radio Frequency Identification* (submission: 15 Jan 2021, 1<sup>st</sup> results: 03 Feb 2021, 1<sup>st</sup> revision: 22 Feb 2021, 2<sup>nd</sup> results: 15 Mar 2021, 2<sup>nd</sup> revision: 22 Mar 2021, **accept**: 19 Apr 2021). [[arXiv](#)]

[] Rawan Alkurd, Ibrahim Abualhaol, and Halim Yanikomeroglu, “User satisfaction prediction framework for personalized wireless networks: A DNN approach”,

- *IEEE ICC 2020*;
- *IEEE Globecom 2020*;
- *IEEE ICC 2021*;
- *IEEE ICC Workshops 2021*.

[] Musa Otaru, Abdulkareem Adinoyi, Mohammed Ajiya, Mohammed Aljlayl, and Halim Yanikomeroglu, “Modified ARQ-based cooperative relaying scheme for a delay tolerant network”,

- *IEEE WCNC 2021*;

- *IEEE ICC Workshops 2021*;
- *ICECCME 2021*.

[] Nadir Adam, Cristiano Tapparello, Wendi Heinzelman, and Halim Yanikomeroglu, “Utilizing ground nodes with multi-hop capabilities to extend the range of UAV-BSs”,

- *IEEE WCNC 2021*;
- *IEEE ICC Workshops 2021*;
- *PIMRC 2021*;
- *IEEE 5G World Forum 2021*.

[] Omid Abbasi and Halim Yanikomeroglu, “A cell-free scheme for UAV base stations with HAPS-assisted backhauling in THz band”,

- *IEEE Globecom 2021* → reject;
- *IEEE ICC 2022* → **accept**.

[] Jintao Liang, Aizaz U. Chaudhry, Eylem Erdogan, and Halim Yanikomeroglu, “Link budget analysis for optical links in free-space optical satellite networks”,

- *IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM)*, 14–17 June 2022, Belfast, Northern Ireland, UK;
- *WoWMoM Workshops*.