**TO BE SUBMITTED** – 02 May 2024

**[P01]** Tasneem – transactions (controller placement)

**[P02]** Afsoon + Animesh – transaction (AI & optimization; comparison)

**[P03]** Afsoon + Animesh – conference A (ML based user association in vHetNet)

**[P04]** Afsoon + Animesh – conference A 🡪 transactions1 (ML based user association in vHetNet + beamforming using deep deterministic policy gradient (DDPG) algorithm)

**[P05]** Afsoon + Animesh – conference B

**[P06]** Afsoon + Animesh – conference B 🡪 transactions2

**[P07]** Afsoon + Animesh – transactions (distributed AI with imperfect CSI)

**[P08]** Afsoon + Metin – conference

**[P09]** Afsoon + Metin – conference 🡪transactions

**[P10]** Afsoon + Gadallah – magazine

**[P11]** Rozita + Omid – GC2024 🡪 transactions 2

**[P12]** Yin Lee

**[P13]** Janaki + Amir G – conference?

**[P14]** Janaki + Amir G – OJCOMS (Modeling Local Demand for Mobile Spectrum: An Interpretable Machine Learning Approach)

**[P15]** Janaki + Amir G – TMLCN (A Multi-Task Deep Learning Approach for Fine-Grained Local Spectrum Demand Estimation)

**[P16]** Hongzhao + Paulo Diniz – ICC 2024 🡪 journal 4

**[P17]** Hongzhao + Paulo Diniz – conference

**[P18]** Hongzhao + Paulo Diniz – conference 🡪 journal 5

**[P19]** Alkadamani – conference

**[P20]** Alkadamani – conference 🡪 journal 1

**[P21]** Alkadamani – journal 2

**[P22]** Ethan + Pablo – weather

**[P23]** Maryam + Amir – transactions

**[P24]** Maryam + Metin – ? (load prediction)

**[P25]** Metin + Mallik – magazine

**[P26]** Faical + Safwan + Metin – transactions (UAV-assisted nonlinear-EH)

**[P27]** Faical + Safwan – magazine

**[P28]** Wafa – ?

**[P29]** Juan + Pablo – ICC 2024 Workshops 🡪 transactions

**[P30]** Dhiraj – conference (joint routing-scheduling-queue management & MDP)

**[P31]** Dhiraj – extension of TAES under review

**[P32]** Melih + Ayse Elif – conference

**[P33]** Bilal – letter (Safwan)

**[P34]** Bilal – survey (resilience)

**[P35]** Mahyoub – journal

**[P36]** Jamsheed – magazine

**[P37]** Elham – conference

**[P38]** Nazanin Kalantarinejad + Abbasi Moghadam – transactions

**[P39]** Mouhamed Abdulla (Sheridan) – magazine/survey (Sat-IoT)

**[P40]** Maryam + Gadallah – magazine

**[P41]** Ethan + Elham + Pablo – magazine 2

**[P42]** Tuheen + Adnan – magazine (Ericsson management’s permission needed)

**[P43]** Khaled – DmMIMO SatNet

Globecom 2024

\* Wafa

\* Afsoon

\* Dhiraj

\* Janaki

\* Mohamad Alkadamani

\* Elham 🡪 GCW 2024 / VTC2024-Fall

\* Mohammed Mahyoub 🡪 journal

\* Bilal 🡪 letter

\* Melih

**TO BE RESUBMITTED**

**[]** 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 1st results: 07 Oct 2023, ? 🡪 reject: 10 Apr 2024).

[last contact: 27 Apr 2024 🡪 reply: 28 Apr 2024 (will submit to OJCOMS)]

**[]** 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.

[last contact: 27 Apr 2024]

**[]** 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).

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**[]** 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, 1st results: 13 Oct 2023, 1st revision: 26 Nov 2023, 2nd results: 15 Dec 2023, 2nd revision: 26 Dec 2023 🡪 reject: 11 Feb 2024).

**[]** 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).

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**[]** 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](https://arxiv.org/abs/2305.05463)] [[ResearchGate](https://arxiv.org/abs/2305.05463)]
* “Multi-tier hierarchical federated learning-assisted NTN for intelligent IoT services”, *IEEE Network Magazine* (submission: 30 Nov 2023 🡪 reject: 06 Feb 2024).

[last contact: 27 Apr 2024]

**[]** 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).

[last contact: 27 Apr 2024]

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

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

[contact: 08 Nov 2023; Gunes: will talk to Kursat]

[contact: 31 Dec 2023; Gunes: will contact Kursat after Jan 22]

[last contact: 27 Apr 2024; Will try OJCOMS: 01 May 2024]

**[]** 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).

[contact: 08 Nov 2023; Nader: new version in one month]

[last contact: 31 Dec 2023, 28 Apr 2024]

**[]** 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 Apr 2024, reply: 28 Apr 2024 (VTC2024-Fall)]

**RESUBMITTED – UNDER REVIEW**

**[]** Mojtaba Amiri, Elaheh Vaezpour, Sepideh Javadi, Mohammad Robat 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](https://arxiv.org/abs/2401.07644)]
* “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*.

**[]** Wen Shang, Yuan Liao, Vasilis Friderikos, 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*.

**[]** 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, 1st results: 18 Dec 2023, 1st revision: 04 Feb 2024 🡪 reject: 27 Feb 2024);
* *IEEE Wireless Communications Letters* (submission: 13 Mar 2024 🡪 reject: 30 Apr 2024).
* *IEEE Globecom 2024*

**[]** Maryam Salamatmoghadasi, 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*. [[arXiv](https://arxiv.org/abs/2402.04386)]

**[]** 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).

**[]** 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](https://www.techrxiv.org/doi/full/10.36227/techrxiv.24226249.v1)]
* “Improving IoRT networks: Cross-tier resource allocation for multi-antenna UAV relays in SAGIN”, *IEEE Transactions on Communications* (submission: 11 Mar 2024)

**[]** Rozita Shafie, Mohammad Javad Omidi, 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).

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

* *IEEE Transactions on Wireless Communications* (submission: 22 Aug 2022, 1st results: 16 Nov 2022, 1st revision: 12 Jan 2023 🡪 reject: 15 Mar 2023);
* *IEEE Transactions on Communications* (submission: 31 Dec 2023).

**[]** Gorkem Berkay Koc, Berk Ciloglu, 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).

**[]** 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).

**[]** 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). [[TechRxiv](https://www.techrxiv.org/articles/preprint/Interplay_between_Physical_Layer_Security_and_Blockchain_Technology_for_5G_and_Beyond_A_Comprehensive_Survey/21601848)]

**[]** 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, 1st results: 15 Apr 2022, 1st revision: 09 Jun 2022 🡪 reject: 03 Aug 2022, 1st appeal: 01 Sep 2022, 2nd appeal: 14 Nov 2022, appeal rejected: 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 2022, 1st results: 08 Dec 2022, 1st revision: 30 Dec 2023).

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

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

Named institution: Saeed Shokrollahi, Shahid Beheshti U, Iran.

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

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

Named institution: Xiaqing Miao: Beijing Institute of Technology (BIT), China

 Shuai Wang: Beijing Institute of Technology (BIT), China

Gaofeng Pan: Beijing Institute of Technology (BIT), China

 Jianping An: Beijing Institute of Technology (BIT), China

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

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

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

 Zesong Fei: Beijing Institute of Technology (BIT), China

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

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

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

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

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

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

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

**[]** Inci Umakoglu, Mustafa Namdar, Arif Basgumus, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Bit error rate of the cooperative NOMA system with the ith best relay selection”,

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

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

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

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

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

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

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

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

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

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

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

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

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

**[]** Margarita Gapeyenko, Vitaly Petrov, Dmitri Moltchanov, Sergey Andreev, Yevgeni Koucheryavy, Mikko 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 infrustructure 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”,

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

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* *IEEE Transactions on Intelligent Transportation Systems* (submission: 06 May 2023 🡪 reject: 09August 2023);
* *IEEE Transactions on Network and Service Management* (submission: 27 Aug 2023, 1st results: 22 Nov 2023, 1st revision: 18 Dec 2023, 2nd results: 13 Mar 2024, 2nd 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, 1st results: ?, 1st revision: 10 Sep 2023 🡪 reject: 29 Sep 2023);
* *IEEE Open Journal of the Communications Society* (submission: 10 Oct 2023 1st results: 16 Nov 2023, 1st revision: 12 Feb 2024, 2nd results: 24 Feb 2024, 2nd revision: 01 Mar 2024 🡪 accept: 19 Mar 2024).

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* *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, 1st results: 30 Oct 2023, 1st revision: 27 Dec 2023, 2nd results: 13 Jan 2024, 2nd revision: 31 Jan 2024 🡪 accept: 24 Feb 2024). [[arXiv](http://arxiv.org/abs/2307.08202)]

**[]** 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, 1st results: 27 Nov 2023, 1st revision: 28 Dec 2023 🡪 accept: 28 Jan 2024).

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* *IEEE Communications Letters* (submission: 12 Sep 2020, 1st 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”,

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* *IEEE ICC 2024* 🡪 accept[[arXiv](https://arxiv.org/abs/2009.06128)] [[ResearchGate](https://www.researchgate.net/publication/344233919)]

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

* *IEEE Access* (submission: 03 Apr 2023, 1st results: 05 May 2023, 1st revision: 31 Jul 2023, 2nd results: 28 August 2023, 2nd 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, 1st results: 21 Oct 2022, 1st revision: 04 Nov 2022, 2nd results: 18 Feb 2023, 2nd revision: 21 Apr 2023 🡪 accept: 27 Dec 2023). [[arXiv](https://arxiv.org/abs/2210.08132)]

**[]** 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, 1st results: 21 Mar 2023, 1st revision: 21 Jun 2023, 2nd results: 11 Jul 2023, 2nd 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);
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