List of Publications – Halim Yanikomeroglu (updated on 28 Apr 2021)

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DBLP
Google Scholar
ResearchGate
Elsevier Mendeley
Guide2Research

Submissions under Review


Nadir Adam, Cristiano Tapparello, Wendi Heinzelman, and Halim Yanikomeroglu, “Utilizing ground nodes with multi-hop capabilities to extend the range of UAV-BSs”, under review in IEEE PIMRC 2021, 13–16 September 2021 || Virtual Conference.

constellation”, Biennial Symposium on Communications (BSC) 2021, 28–30 June 2021 || Virtual Conference.

**Refereed Publications**

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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 Wireless Communications*, vol. 20, no. 3, pp. 1501-1516, March 2021. [arXiv] [ResearchGate] [Xplore]

Mohammad G. Khoshkholgh and Halim Yanikomeroglu, “Faded-experience trust region policy optimization for model-free power allocation in interference channel”, *IEEE Wireless Communications Letters*, vol. 10, no. 3, pp. 659-663, March 2021. [arXiv] [Xplore]

Mohammad G. Khoshkholgh and Halim Yanikomeroglu, “Learning power control from a fixed batch of data”, *IEEE Wireless Communications Letters*, vol. 10, no. 3, pp. 512-516, March 2021. [arXiv] [ResearchGate] [Xplore]

Fatima Ezzahra Airod, Houda Chafnaji, and Halim Yanikomeroglu, “HARQ in full-duplex relay-assisted transmissions for URLLC”, *IEEE Open Journal of the Communications Society*, vol. 2, pp. 409-422, 2021. [arXiv] [Xplore]

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*, vol. 9, pp. 31179-31190, 2021. [arXiv] [ResearchGate] [Xplore]

Qiqi Ren, Jian Chen, Omid Abbasi, Gunes Karabulut Kurt, Halim Yanikomeroglu, and F. Richard Yu, “An application-driven non-orthogonal multiple access enabled computation offloading scheme”, *IEEE Internet of Things Journal*, vol. 8, no. 3, pp. 1453-1466, February 1, 2021. [arXiv] [ResearchGate] [Xplore]

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Safwan Alfattani, Wael Jaafar, Yassine Hmamouche, Halim Yanikomeroglu, Abbas Yongacoglu, Ngoc Dung Dao, and Peiying Zhu, “Aerial platforms with reconfigurable smart
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**[J168]** Monirosharieh Vameghestahbanati, Ian D. Marsland, Ramy H. Gohary, and Halim Yanikomeroglu, “Hypercube-based SNR-adaptive multidimensional constellation design for uplink SCMA systems”, *IEEE Transactions on Communications*, vol. 69, no. 1, pp. 121-132, January 2021. [ResearchGate] [Xplore]


**[C270]** Nesrine Cherif, Wael Jaafar, Halim Yanikomeroglu, and Abbas Yongacoglu, “Disconnectivity-aware energy-efficient cargo-UAV trajectory planning with minimum handoffs”, *IEEE ICC 2021*, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference.

**[C269]** Mohammad G. Khoshkholgh and Halim Yanikomeroglu, “RSS-based UAV-BS 3-D mobility management via policy gradient deep reinforcement learning”, *IEEE ICC 2021*, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [arXiv]

**[C268]** Kursat Tekbiyik, Gunes Karabulut Kurt, Chongwen Huang, Ali Rıza Ekti, Halim Yanikomeroglu, “Channel estimation for full-duplex RIS-assisted HAPS backhauling with graph attention networks”, *IEEE ICC 2021*, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [arXiv] [ResearchGate]


**[C266]** Mohammad G. Khoshkholgh and Halim Yanikomeroglu, “Power control in spectrum sharing systems with almost-zero inter-system signaling overhead”, *IEEE ICC 2021*, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [arXiv]

**[C265]** Aybuke Zeynep Cengiz, Semih Tedik Basaran, Berna Ozbek, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Approximation of correlation matrix for high altitude platform stations (Yüksek İrtifa Platform İstasyonları için Korelasyon Matrisinin Yaklaşımı)”, The 29th IEEE
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