List of Publications – Halim Yanikomeroglu  
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Submissions under Review


Refereed Publications

2019


Transactions on Wireless Communications, vol. 18, no. 6, pp. 2977-2988, June 2019. [ResearchGate] [Xplore]


[C239] Amin Farajzadeh, Ozgur Ercetin, and Halim Yanikomeroglu, “UAV data collection over NOMA backscatter networks: UAV altitude and trajectory optimization”, IEEE International Conference in Communications (ICC) 2019, Shanghai, China, 20–24 May 2019. [ResearchGate] [Xplore]


Communications and Networking Conference (WCNC) Workshops 2019, 15–18 April 2019, Marrakech, Morocco. [arXiv] [ResearchGate]


[C232] Cihan Tugrul Cicek, Hakan Gultekin, Bulent Tavli, and Halim Yanikomeroglu, “UAV Base station location optimization for next generation wireless networks: Overview and future research directions”, IEEE UVS-Oman 2019, Muscat, Oman, 5–7 February 2019. [arXiv] [ResearchGate] [Xplore]

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[J121] Faraj Lagum, Irem Bor-Yaliniz, and Halim Yanikomeroglu, “Strategic densification with
UAV-BSs in cellular networks”, IEEE Wireless Communications Letters, vol. 7, no. 3, pp. 384-387, June 2018. [ResearchGate] [Xplore]


networks”, *IEEE Transactions on Wireless Communications*, vol. 17, no. 2, pp. 1226-1241, February 2018. [ResearchGate] [Xplore]


[C226] Taimour Aldalgamouni, Mehmet Cagri Ilter, Osamah S. Badarneh, and Halim Yanikomeroglu, “Performance analysis of Fisher-Snedecor F composite fading channels”, *IEEE Middle East and North Africa Communications Conference (MENACOMM) 2018*, 18–20 April 2018, Jounieh, Lebanon. [ResearchGate] [Xplore]


[C224] Rozhina Ghanavi, Elham Kalantari, Maryam Sabbaghian, Halim Yanikomeroglu, and Abbas Yongacoglu, “Efficient 3D aerial base station placement considering users mobility by
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[C223] Fatima Ezzahra Airod, Houda Chafnaji, and Halim Yanikomeroglu, “Performance analysis of low latency multiple full-duplex selective decode and forward relays”, IEEE Wireless Communications and Networking Conference (WCNC) 2018, 15–18 April 2018, Barcelona, Spain. [arXiv] [ResearchGate] [Xplore]

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Hamza Umit Sokun, Mehmet Cagri Ilter, Salama Ikki, and Halim Yanikomeroglu, “A spectrally efficient signal space diversity-based two-way relaying system”, *IEEE Transactions on Vehicular Technology*, pp. 6215-6230, July 2017. [ResearchGate] [Xplore]

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[C222] Jing Guo, Salman Durrani, Xiangyun Zhou, and Halim Yanikomeroglu, “Machine-type communication with random access and data aggregation: A stochastic geometry approach”, IEEE Global Communications Conference (Globecom) 2017, 4–8 December 2017, Singapore. [ResearchGate] [Xplore]

[C221] Elham Kalantari, Irem Bor-Yaliniz, Abbas Yongacoglu, and Halim Yanikomeroglu, “User association and bandwidth allocation for terrestrial and aerial base stations with backhaul considerations”, Invited Paper, IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC) 2017, 08–13 October 2017, Montreal, Quebec, Canada. [arXiv] [ResearchGate] [Xplore]

[C220] Farhan Pervez, Abdulkareem Adinoyi, and Halim Yanikomeroglu, “Efficient resource allocation for video streaming for 5G network-to-vehicle communications”, IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC) 2017 Workshops, 08–13 October 2017, Montreal, Quebec, Canada. [ResearchGate] [Xplore]

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[C217] Amr El-Keyi, Hamza Umit Sokun, Tu Ngoc Nguyen, Qiubo Ye, Haiying Julie Zhu, and Halim Yanikomeroglu, “A novel probabilistic path loss model for simulating coexistence between 802.11 and 802.15.4 networks in smart home environments”, *IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC)* 2017, 08–13 October 2017, Montreal, Quebec, Canada. [ResearchGate] [Xplore]


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[C210] Elham Kalantari, Muhammad Zeeshan Shakir, Halim Yanikomeroglu, and Abbas Yongacoglu, “Backhaul-aware robust 3D drone placement in 5G+ wireless networks”, *IEEE International Conference on Communications (ICC) Workshops 2017 – Workshop on Flexible Networks (FlexNets)*, 21 May 2017, Paris, France. [arXiv] [ResearchGate] [Xplore]

[C208] Ebrahim Bedeer, Halim Yanikomeroglu, and Mohamed Hossam Ahmed, “Reduced complexity optimal detection of binary faster-than-Nyquist signaling”, *IEEE International Conference on Communications (ICC) 2017*, 21–25 May 2017, Paris, France. [arXiv] [ResearchGate] [Xplore]


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[J81] Sergey Andreev, Olga Galinina, Alexander Pyattaev, Jiri Hosek, Pavel Masek, Halim Yanikomeroglu, and Yevgeni Koucheryavy, “Exploring synergy between communications, caching, and computing in 5G-grade deployments”, *IEEE Communications Magazine*, no. 8, pp. 60-69, August 2016. [ResearchGate] [Xplore]

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[J77] Mohammad Reza Abedi, Nader Mokari, Mohammad Reza Javan, and Halim Yanikomeroglu, “Limited rate feedback scheme for resource allocation in secure relay-assisted OFDMA networks”, *IEEE Transactions on Wireless Communications*, vol. 15, no. 4, pp. 2604-2618, April 2016. [ResearchGate] [Xplore]


[J75] Rozita Rashtchi, Ramy H. Gohary, and Halim Yanikomeroglu, “Generalized cross-layer designs for generic half-duplex multicarrier wireless networks with frequency reuse”, *IEEE Transactions on Wireless Communications*, vol. 15, no. 1, pp. 458-471, January 2016. [ResearchGate] [arXiv] [Xplore]


[C206] Ziwen Zhao, Sebastian Szyszkowicz, Tamer Beitalmal, and Halim Yanikomeroglu, “Spatial clustering in slotted ALOHA two-hop random access for machine type communication”, *IEEE Global Communications Conference (Globecom) 2016*, 4–8 December 2016, Washington, DC, USA. [PresentationSlides]


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[C123] Muhammad Aljuaid and Halim Yanikomeroglu, “Identifying boundaries of dominant
regions dictating spectrum sharing opportunities for large secondary networks”, IEEE PIMRC 2010, 26 – 30 September 2010, Istanbul, Turkey. [pdf] [PresentationSlides]


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[C117] Soumitra Dixit, Shalini Periyalwar, and Halim Yanikomeroglu, “A competitive and dynamic pricing model for secondary users in infrastructure based wireless networks”, IEEE Vehicular Technology Conference (VTC2010-Fall), 6 – 9 September 2010, Ottawa, ON, Canada. [pdf] [PresentationSlides]


[C113] Saad Al-Ahmadi and Halim Yanikomeroglu, “On the statistics of the sum of correlated


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[C99] Sebastian Szyszskowicz and Halim Yanikomeroglu, “Fitting the modified power-lognormal to the sum of independent lognormals distribution”, IEEE Globecom 2009, 30 November – 4 December 2009, Honolulu, HI, USA. [pdf]


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