List of Publications – Halim Yanikomeroglu  
(updated on 31 Oct 2022)

(Please report incorrect or incomplete information to halim@sce.carleton.ca)

[DBLP](http://dblp.org)  
[Google Scholar](https://scholar.google.com)

Breakdown of 259 Published Journal Papers (251 IEEE + 8 others)

<table>
<thead>
<tr>
<th>No of papers</th>
<th>Journal</th>
<th>Impact Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>IEEE Transactions on Wireless Communications</td>
<td>8.346</td>
</tr>
<tr>
<td>29</td>
<td>IEEE Transactions on Vehicular Technology</td>
<td>6.239</td>
</tr>
<tr>
<td>27</td>
<td>IEEE Access</td>
<td>3.476</td>
</tr>
<tr>
<td>25</td>
<td>IEEE Wireless Communications Letters</td>
<td>5.281</td>
</tr>
<tr>
<td>24</td>
<td>IEEE Communications Letters</td>
<td>3.553</td>
</tr>
<tr>
<td>19</td>
<td>IEEE Communications Magazine</td>
<td>9.030</td>
</tr>
<tr>
<td>16</td>
<td>IEEE Transactions on Communications</td>
<td>6.166</td>
</tr>
<tr>
<td>10</td>
<td>IEEE Open Journal of the Communications Society</td>
<td>N/A</td>
</tr>
<tr>
<td>8</td>
<td>IEEE Internet of Things Journal</td>
<td>10.238</td>
</tr>
<tr>
<td>8</td>
<td>IEEE Transactions on Mobile Computing</td>
<td>6.075</td>
</tr>
<tr>
<td>5</td>
<td>IEEE Vehicular Technology Magazine</td>
<td>13.609</td>
</tr>
<tr>
<td>5</td>
<td>IEEE Journal on Selected Areas in Communications</td>
<td>13.081</td>
</tr>
<tr>
<td>5</td>
<td>IEEE Wireless Communications Magazine</td>
<td>12.777</td>
</tr>
<tr>
<td>4</td>
<td>IEEE Communications Surveys &amp; Tutorials</td>
<td>25.249</td>
</tr>
<tr>
<td>4</td>
<td>IEEE Transactions on Information Theory</td>
<td>2.978</td>
</tr>
<tr>
<td>3</td>
<td>IEEE Consumer Electronics Magazine</td>
<td>4.135</td>
</tr>
<tr>
<td>3</td>
<td>IEEE Open Journal of Vehicular Technology</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>IEEE Transactions on Green Communications and Networking</td>
<td>3.525</td>
</tr>
<tr>
<td>2</td>
<td>IEEE Transactions on Aerospace and Electronic Systems</td>
<td>3.491</td>
</tr>
<tr>
<td>2</td>
<td>IEEE Photonics Journal</td>
<td>2.250</td>
</tr>
<tr>
<td>2</td>
<td>IEEE Journal of Radio Frequency Identification</td>
<td>N/A</td>
</tr>
<tr>
<td>1</td>
<td>IEEE, Proceedings of the</td>
<td>14.910</td>
</tr>
<tr>
<td>1</td>
<td>IEEE Network Magazine</td>
<td>10.294</td>
</tr>
<tr>
<td>1</td>
<td>IEEE Transactions on Cognitive Communications and Networking</td>
<td>6.359</td>
</tr>
<tr>
<td>1</td>
<td>IEEE Transaction on Broadcasting</td>
<td>5.194</td>
</tr>
<tr>
<td>1</td>
<td>IEEE Transactions on Signal Processing</td>
<td>4.875</td>
</tr>
<tr>
<td>1</td>
<td>IEEE Sensors Journal</td>
<td>4.325</td>
</tr>
<tr>
<td>1</td>
<td>IEEE Antennas and Wireless Propagation Letters</td>
<td>3.825</td>
</tr>
<tr>
<td>1</td>
<td>IEEE Networking Letters</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Earlier publications (non-IEEE)

<table>
<thead>
<tr>
<th>No</th>
<th>Journal</th>
<th>Impact Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Eurasip Journal on Wireless Communications Networking (Springer)</td>
<td>2.455</td>
</tr>
<tr>
<td>2</td>
<td>IET Communications</td>
<td>1.542</td>
</tr>
<tr>
<td>1</td>
<td>Pervasive and Mobile Computing Journal (Elsevier)</td>
<td>4.410</td>
</tr>
<tr>
<td>1</td>
<td>Transactions on Emerging Telecommunications Technologies (Wiley)</td>
<td>3.310</td>
</tr>
<tr>
<td>1</td>
<td>Wireless Communications and Mobile Computing (Hindawi)</td>
<td>2.336</td>
</tr>
</tbody>
</table>
Submissions under Review

[JS34] Inci Umakoglu, Mustafa Namdar, Arif Basgumus, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Bit error rate of the cooperative NOMA system with the $i^{th}$ best relay selection”, under review in IEEE Communications Letters (submission: 31 Oct 2022).


[JS31] Omid Abbasi and Halim Yanikomeroglu, “UxNB-enabled cell-free massive MIMO with HAPS-assisted sub-THz backhauling”, under review in IEEE Transactions on Vehicular Technology (submission: 20 Oct 2022). [arXiv] [ResearchGate]


Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Bitwise non-orthogonal multiple access with coordinated interleaving: Improved fairness, high reliability, and low latency for IoT networks”, under review in IEEE Internet of Things Journal (submission: 06 Oct 2022).


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”, under review in IEEE Internet of Things Journal (submission: 28 Sep 2022).

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”, under review in IEEE Transactions on Vehicular Technology (submission: 26 Sep 2022).


Refereed Publications

2022


[J253] Zichao Zhang, Melda Yuksel, and Halim Yanikomeroglu, “Faster-than-Nyquist signaling for MIMO communications”, *IEEE Transactions on Wireless Communications* (acceptance: 28 Sep 2022). [arXiv] [ResearchGate] [Xplore]


Omid Abbasi and Halim Yanikomeroglu, “Transmission scheme, detection and power allocation for uplink user cooperation with NOMA and RSMA”, IEEE Transactions on Wireless Communications (acceptance: 19 Jul 2022). [arXiv] [ResearchGate] [Xplore]

Weili Wang, Chengchao Liang, Qianbin Chen, Lun Tang, Halim Yanikomeroglu, and Tong Liu. “Distributed online anomaly detection for virtualized network slicing environment”, IEEE Transactions on Vehicular Technology (acceptance: 12 Jul 2022). [arXiv] [ResearchGate] [Xplore]

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 (acceptance: 27 Apr 2022). [arXiv] [ResearchGate] [Xplore]

Wael Jaafar and Halim Yanikomeroglu, “HAPS-ITS: Enabling future ITS services in trans-continental highways”, IEEE Communications Magazine, vol. 60, no. 10, pp. 80-86, October 2022. [arXiv] [ResearchGate] [Xplore]


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, vol. 58, no. 5, pp. 3962-3978, October 2022. [arXiv] [ResearchGate] [Xplore]


Pouya M. Ghari, Maryam Sabbaghian, and Halim Yanikomeroglu, “Moving aerial anchors assisted network localization”, IEEE Transactions on Wireless Communications, vol. 21, no. 10, pp. 7839-7851, October 2022. [ResearchGate] [Xplore]


[J224] Atefeh Hajijamali Arani, M. Mahdi Azari, Peng Hu, Yeying Zhu, Halim Yanikomeroglu, and Saeed Saafi-Naeini, “Reinforcement learning for energy-efficient trajectory design of UAVs”, *IEEE Internet of Things Journal*, vol. 9, no. 11, pp. 9060-9070, June 1, 2022. [ResearchGate] [Xplore]


[J219] 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*, vol. 26, no. 4, pp. 882-886, April 2022. [arXiv] [ResearchGate] [Xplore]

[J218] 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 Wireless Communications Letters*, vol. 11, no. 4, pp. 68-702, April 2022. [arXiv] [ResearchGate] [Xplore]

[J217] 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*, vol. 40, no. 4, pp. 1162-1189, April 2022. [arXiv] [ResearchGate] [Xplore]

[J216] 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*, vol. 11, no. 3, pp. 573-577, March 2022. [arXiv] [ResearchGate] [Xplore]


[C303] Rozita Shafie, Mohammad Javad Omidi, Omid Abbasi, and Halim Yanikomeroglu, “Power allocation for a HAPS-enabled MIMO-NOMA system with spatially correlated channels”, *IEEE Globecom Workshops 2022*, 04–08 December 2022, Rio de Janeiro, Brazil. [arXiv]


[C301] Safwan Alfattani, Animesh Yadav, Halim Yanikomeroglu, and Abbas Yongacoglu, “Beyond-cell communications via HAPS-RIS”, *IEEE Globecom Workshops 2022*, 04–08 December 2022, Rio de Janeiro, Brazil. [arXiv] [TechrXiv]


2021 (47 IEEE journal papers + 20 conference papers)


[J210] 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*, vol. 7, no. 4, pp. 1333-1346, December 2021. [ResearchGate] [Xplore]
Ahmed Ibrahim, Ebrahim Bedeer, and Halim Yanikomeroglu, “A novel low complexity faster-than-Nyquist (FTN) signaling detector for ultra high-order QAM”, *IEEE Open Journal of the Communications Society*, vol. 2, pp. 2566-2580, 2021. [arXiv] [ResearchGate] [Xplore]


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*, vol. 10, no. 11, pp. 2577-2581, November 2021. [arXiv] [Xplore]

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*, vol. 10, no. 11, pp. 2459-2463, November 2021. [arXiv] [Xplore]

Aizaz U. Chaudhry and Halim Yanikomeroglu, “Free space optics for next-generation satellite networks”, *IEEE Consumer Electronics Magazine*, vol. 10, no. 6, pp. 21-31, 01 November 2021. [arXiv] [ResearchGate] [Xplore]

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*, vol. 70, no. 10, pp. 11067-11072, October 2021. [arXiv] [Xplore]

Nesrine Cherif, Wael Jaafar, Halim Yanikomeroglu, and Abbas Yongacoglu, “3D Aerial highway: The key enabler of the retail industry transformation”, *IEEE Communications Magazine*, vol. 25, no. 9, pp. 2790-2794, September 2021. [arXiv] [ResearchGate] [Xplore]

Caner Goztepe, Saliha Büyükçorak, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Localization threats in next-generation wireless networks”, *IEEE Communications Magazine*, vol. 59, no. 9, pp. 65-71, September 2021. [arXiv] [ResearchGate] [Xplore]


Yucel Aydin, Gunes Karabulut Kurt, Enver Ozdemir, and Halim Yanikomeroglu, “Group handover for drone base stations”, *IEEE Internet of Things Journal*, vol. 8, no. 18, pp. 13876-13887, 15 September 2021. [arXiv] [ResearchGate] [Xplore]


Zhitong Xing, Kaiming Liu, Aditya S. Rajasekaran, Halim Yanikomeroglu, and Yuanan Liu, “A hybrid companding and clipping scheme for PAPR reduction in OFDM systems”, *IEEE Access*, vol. 9, pp. 61832-61852, 2021. [ResearchGate] [Xplore]

Zhaleh Sadreddini, Ilknur Donmez, and Halim Yanikomeroglu, “Cancel-for-any-reason insurance recommendation using customer transaction-based clustering”, *IEEE Access*, vol. 9, pp. 39363-39374, 2021. [ResearchGate] [Xplore]

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] [ResearchGate] [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 Chañaji, 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] [ResearchGate] [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]

Md Sahabul Alam, Gunes Karabulut Kurt, Halim Yanikomeroglu, Peiying Zhu, and Ngoc Dung Dao, “High altitude platform station based super macro base station constellations”, *IEEE
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*, vol. 59, no. 1, pp. 96-102, January 2021. [arXiv] [ResearchGate] [Xplore]

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]


Qiqi Ren, Omid Abbasi, Gunes Karabulut Kurt, Halim Yanikomeroglu, and Jian Chen, “High altitude platform station (HAPS) assisted computing for intelligent transportation systems”, *IEEE Global Communications Conference (Globecom) 2021*, 7–11 December 2021, Madrid, Spain.

Jintao Liang, Aizaz U. Chaudhry, and Halim Yanikomeroglu, “Phasing parameter analysis for satellite collision avoidance in Starlink and Kuiper constellations”, *IEEE 5G World Forum 2021*, 13–15 October 2021, Virtual Event (Montreal, Canada). [arXiv] [ResearchGate] [Xplore]

Nadir Adam, Cristiano Tapparello, Wendi Heinzelman, and Halim Yanikomeroglu, “Utilizing ground nodes with multi-hop capabilities to extend the range of UAV-BSs”, *IEEE 5G World Forum 2021*, 13–15 October 2021, Virtual Event (Montreal, Canada). [ResearchGate] [Xplore]

Yucel Aydin, Gunes Karabulut Kurt, Enver Ozdemir, and Halim Yanikomeroglu, “Group authentication for drone swarms”, *IEEE International Conference on Wireless for Space and Extreme Environments (WiSee 2021)*, 12–14 October 2021, Virtual Event (Cleveland, Ohio, USA). [arXiv] [ResearchGate] [Xplore]

Musa Otaru, Abdulkareem Adinoyi, Mohammed Ajiya, Mohammed Aljilayl and Halim Yanikomeroglu, “Modified ARQ-based cooperative relaying scheme for a delay tolerant network”, *International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME 2021)*, 07–08 October 2021, Mauritius. [ResearchGate] [Xplore]

and Mobile Radio Communications (PIMRC) 2021, 13–16 September 2021 || Virtual Conference. [arXiv] [ResearchGate] [Xplore]


[C274] Rawan Alkurd, Ibrahim Abualhaol, and Halim Yanikomeroglu, “User satisfaction prediction framework for personalized wireless networks: A DNN approach”, IEEE International Conference on Communications Workshops (ICCW) 2021, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [Xplore]

[C273] Mohammed Younis Abdelsadek, Halim Yanikomeroglu, and Gunes Karabulut Kurt, “Future ultra-dense LEO satellite networks: A cell-free massive MIMO approach”, IEEE International Conference on Communications Workshops (ICCW) 2021, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [arXiv] [ResearchGate] [Xplore]

[C272] Nesrine Cherif, Wael Jaafar, Halim Yanikomeroglu, and Abbas Yongacoglu, “Disconnectivity-aware energy-efficient cargo-UAV trajectory planning with minimum handoffs”, IEEE International Conference on Communications (ICC) 2021, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [arXiv] [ResearchGate] [Xplore]

[C271] Mohammad G. Khoshkholgh and Halim Yanikomeroglu, “RSS-based UAV-BS 3-D mobility management via policy gradient deep reinforcement learning”, IEEE International Conference on Communications (ICC) 2021, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [arXiv] [ResearchGate] [Xplore]

[C270] Kursat Tekbiyik, Gunes Karabulut Kurt, Chongwen Huang, Ali Riza Ekki, Halim Yanikomeroglu, “Channel estimation for full-duplex RIS-assisted HAPS backhauling with graph attention networks”, IEEE International Conference on Communications (ICC) 2021, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [arXiv] [ResearchGate] [Xplore]

[C269] Islam Abu Mahady, Ebrahim Bedeer, Salama Ikki, and Halim Yanikomeroglu, “NOMA spectral efficiency maximization with improper Gaussian signaling and SIC imperfection”, IEEE International Conference on Communications (ICC) 2021, 14–18 June 2021, Montreal, Quebec, Canada || Virtual Conference. [Xplore]

[C268] Mohammad G. Khoshkholgh and Halim Yanikomeroglu, “Power control in spectrum sharing systems with almost-zero inter-system signaling overhead”, IEEE International
Aybuke Cengiz, Semiha Tedik Basaran, Berna Ozbek, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Approximation of correlation matrix for high altitude platform stations”, The 29th IEEE Conference on Signal Processing and Communications Applications (SIU 2021), 9–11 June 2021 || Virtual Conference. [Xplore]

Olfa Ben Yahia, Eylem Erdogan, Gunes Karabulut Kurt, Ibrahim Altunbas, and Halim Yanikomeroglu, “Physical layer security framework for optical non-terrestrial networks”, Invited Paper, 28th International Conference on Telecommunications (ICT 2021), 1-3 June 2021 || Virtual Conference. [arXiv] [ResearchGate] [Xplore]


Omid Abbasi and Halim Yanikomeroglu, “Rate-splitting and NOMA-enabled uplink user cooperation”, IEEE Wireless Communications and Networking Conference Workshops (WCNCW) 2021, 29 March – 01 April 2021, Nanjing, China | hybrid. [ResearchGate] [Xplore]

Nadir Adam, Cristiano Tapparello, Wendi Heinzelman, and Halim Yanikomeroglu, “Placement optimization of multiple UAV base stations”, IEEE Wireless Communications and Networking Conference (WCNC) 2021, 29 March – 01 April 2021, Nanjing, China | hybrid. [ResearchGate] [Xplore]

2020 (21 IEEE journal papers + 12 conference papers)


[J160] Elham Kalantari, Halim Yanikomeroglu, and Abbas Yongacoglu, “Wireless networks with cache-enabled and backhaul-limited aerial base stations”, *IEEE Transactions on Wireless Communications*, vol. 19, no. 11, pp. 7363-7376, November 2020. [arXiv] [ResearchGate] [Xplore]

[J159] Omid Abbasi, Halim Yanikomeroglu, Afshin Ebrahimi, and Nader Mokari, “Trajectory design and power allocation for drone-assisted NR-V2X network with dynamic NOMA/OMA”, *IEEE Transactions on Wireless Communications*, vol. 19, no. 11, pp. 7153-7168, November 2020. [arXiv] [ResearchGate] [Xplore]

[J158] Yucel Aydin, Enver Ozdemir, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “A flexible and lightweight group authentication scheme”, *IEEE Internet of Things Journal*, vol. 7, no. 10, pp. 10277-10287, October 2020. [arXiv] [ResearchGate] [Xplore]

[J157] Lina Bariah, Sami Muhaidat, Paschalis Sofotasios, Sanjeev Gurugopinath, Walaa Hamouda, and Halim Yanikomeroglu, “Non-orthogonal multiple access in the presence of additive generalized Gaussian noise”, *IEEE Communications Letters*, vol. 24, no. 10, pp. 2137-2141, October 2020. [arXiv] [ResearchGate] [Xplore]


Transactions on Vehicular Technology, vol. 69, no. 8, pp. 8499-8513, August 2020. [ResearchGate] [Xplore]


[J150] Amin Farajzadeh, Ozgur Ercetin, and Halim Yanikomeroglu, “Mobility-assisted over-the-air computation for backscatter sensor networks”, *IEEE Wireless Communications Letters*, vol. 9, no. 5, pp. 675-678, May 2020. [arXiv] [ResearchGate] [Xplore]


[J148] Rawan Alkurd, Ibrahim Abualhaol, and Halim Yanikomeroglu, “Big data and AI-based framework to enable personalization in wireless networks”, *IEEE Communications Magazine*, vol. 58, no. 3, pp. 18-24, March 2020. [ResearchGate] [Xplore]


[C262] Nesrine Cherif, Wael Jaafar, Halim Yanikomeroglu, and Abbas Yongacoglu, “On the optimal 3D placement of a UAV base station for maximal coverage of UAV users”, *IEEE Global Communications Conference (Globecom) 2020*, 07–11 December 2020, Taipei, Taiwan. [arXiv] [ResearchGate] [Xplore]

[C260] Halim Yanikomeroglu, “Wireless access architecture: The next 20+ years”, *ACM International Conference on Future Networks and Distributed Systems (ICFNDSD)*, November 2020, Article No: 40, Pages 1, 26–27 November 2020, St. Petersburg, Russia. [ResearchGate] [ACM]

[C259] Ozan Alp Topal, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Securing the inter-spacecraft links: Doppler frequency shift based physical layer key generation”, *The 8th Annual IEEE International Conference on Wireless for Space and Extreme Environments (WISEE 2020)*, 12–14 October 2020, Venice, Italy (virtual). [ResearchGate] [Xplore]


Monirosharieh Vameghestahbanati, Ian D. Marsland, Ramy Gohary, Halim Yanikomeroglu, and Javad Abdoli, “How does channel coding affect the design of uplink SCMA multidimensional constellations?”, IEEE Wireless Communications and Networking Conference (WCNC) 2020, 25–28 May 2020, Seoul, South Korea (virtual). [ResearchGate] [Xplore]

2019 (21 IEEE journal papers + 18 conference papers)

Mohamed Alzenad and Halim Yanikomeroglu, “Coverage and rate analysis for vertical heterogeneous networks (VHetNets)”, IEEE Transactions on Wireless Communications, vol. 18, no. 12, pp. 5643-5657, December 2019. [ResearchGate] [Xplore]


Hossein Khoshnevis, Ian Marsland, Hamid Jafarkhani, and Halim Yanikomeroglu, “Space-time signal design for multilevel polar coding in slow fading broadcast channels”, IEEE Transactions on Communications, vol. 67, no. 9, pp. 5940-5952, September 2019. [arXiv] [ResearchGate] [Xplore]


Monirosharieh Vameghestahbanat, Ian Marsland, Ramy H. Gohary, and Halim Yanikomeroglu, “Multidimensional constellations for uplink SCMA systems – A comparative study”, IEEE Communications Surveys & Tutorials, vol. 21, no. 3, pp. 2169-2194, Third Quarter 2019. [arXiv] [ResearchGate] [Xplore]

Hossein Vaezy, Mohammad Javad Omidi, Mohammad Mahdi Naghsh, and Halim Yanikomeroglu, “Energy efficient transceiver design in MIMO interference channels: The selfish,
unselfish, worst-case, and robust methods”, *IEEE Transactions on Communications*, vol. 67, no. 8, pp. 5377-5389, August 2019. [ResearchGate] [Xplore]


**[J135]** Hossein Vaezy, Mohammad Javad Omidi, and Halim Yanikomeroglu, “Energy efficient precoder design in multi-user MIMO systems with imperfect channel state information”, *IEEE Wireless Communications Letters*, vol. 8, no. 3, pp. 669-672, June 2019. [arXiv] [ResearchGate] [Xplore]

**[J134]** Sergey Andreev, Vitaly Petrov, Mischa Dohler, and Halim Yanikomeroglu, “Future of ultra-dense networks beyond 5G: Harnessing heterogeneous moving cells”, *IEEE Communications Magazine*, vol. 57, no. 6, pp. 86-92, June 2019. [arXiv] [ResearchGate] [Xplore]

**[J133]** Saeede Enayati, Hamid Saeedi, Hossein Pishro-Nik, and Halim Yanikomeroglu, “Moving aerial base station networks: Stochastic geometry analysis and design perspectives”, *IEEE Transactions on Wireless Communications*, vol. 18, no. 6, pp. 2977-2988, June 2019. [ResearchGate] [Xplore]

**[J132]** Xiaohui Zhou, Jing Guo, Salman Durrani, and Halim Yanikomeroglu, “Underlay drone cell for temporal events: Impact of drone height and aerial channel environments”, *IEEE Internet of Things Journal*, vol. 6, no. 2, pp. 1704-1718, April 2019. [arXiv] [ResearchGate] [Xplore]

**[J131]** Hossein Khoshnevis, Ian Marsland, and Halim Yanikomeroglu, “Throughput-based design for polar coded-modulation”, *IEEE Transactions on Communications*, vol. 67, no. 3, pp. 1770-1782, March 2019. [arXiv] [ResearchGate] [Xplore]


**[J128]** Irem Bor-Yaliniz, Mohamed Salem, Gamini Senarath, and Halim Yanikomeroglu, “Is 5G ready for drones?: A look into contemporary and prospective wireless networks from a standardization perspective”, *IEEE Wireless Communications Magazine*, vol. 26, no. 1, pp. 18-27, February 2019. [ResearchGate] [Xplore]

[J126] Irem Bor-Yaliniz, Amr El-Keyi, and Halim Yanikomeroglu, “Spatial configuration of agile wireless networks with drone-BSs and user-in-the-loop”, *IEEE Transactions on Wireless Communications*, vol. 18, no. 2, pp. 753-768, February 2019. [arXiv] [ResearchGate] [Xplore]


[C240] 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]


[C233] 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]

2018 (15 IEEE journal papers + 10 conference papers)


communications”, *IEEE Transactions on Wireless Communications*, vol. 17, no. 5, pp. 3401-3416, May 2018. [ResearchGate] [Xplore]


[J114] Rozita Rashtchi, Ramy H. Gohary, and Halim Yanikomeroglu, “Conjoint routing and resource allocation in OFDMA-based D2D wireless networks”, *IEEE Access*, vol. 6, pp. 18,868-18,882, 2018. [ResearchGate] [Xplore]

[J113] Mohamed Alzenad, Amr El-Keyi, and Halim Yanikomeroglu, “3D placement of an unmanned aerial vehicle base station for maximum coverage of users with different QoS requirements”, *IEEE Wireless Communications Letters*, vol. 7, no. 1, pp. 38-41, February 2018. [arXiv] [ResearchGate] [Xplore]


[C229] Mehmet Cagri Ilter, Risto Wichman, Jyri Hamalainen, and Halim Yanikomeroglu, “A
convolutionally encoded OSTBC system with SNR-adaptive constellations for low-latency and low-complexity communications”, 19th IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC 2018), 25–28 June 2018, Kalamata, Greece. [ResearchGate] [Xplore]

[C228] Xiaohui Zhou, Jing Guo, Salman Durrani, and Halim Yanikomeroglu, “Uplink coverage performance of an underlay drone cell for temporary events”, Invited Paper, IEEE International Conference on Communications Workshops (ICCW) 2018, 20–24 May 2018, Kansas City, MO, USA. [arXiv] [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 reinforcement learning”, IEEE Wireless Communications and Networking Conference (WCNC) 2018, 15–18 April 2018, Barcelona, Spain. [arXiv] [ResearchGate] [Xplore]

[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]

2017 (23 IEEE journal papers + 16 conference papers)


QoS-aware joint user association, resource block and discrete power allocation in HetNets”, *IEEE Transactions on Wireless Communications*, vol. 16, no. 11, pp. 7603-7618, November 2017. [ResearchGate] [Xplore]


[J104] Yaser M. M. Fouad, Ramy H. Gohary, and Halim Yanikomeroglu, “Number-theoretic sequence design for uncoordinated autonomous multiple access in relay-assisted machine-type communications”, *IEEE Transactions on Vehicular Technology*, vol. 66, no. 10, pp. 9018-9034, October 2017. [ResearchGate] [Xplore]

[J103] Jing Guo, Salman Durrani, Xiangyun Zhou, and Halim Yanikomeroglu, “Massive machine type communication with data aggregation and resource scheduling”, *IEEE Transactions on Communications*, vol. 65, no. 9, pp. 4012-4026, September 2017. [arXiv] [ResearchGate] [Xplore]


[J101] Karim G. Seddik, Ramy H. Gohary, Mohammad T. Hussein, Mohammad Shaqfeh, Hussein Alnuweiri, and Halim Yanikomeroglu, “Multi-resolution multicasting over the Grassmann and Stiefel manifolds”, *IEEE Transactions on Wireless Communications*, vol. 16, no. 8, pp. 5296-5310, August 2017. [ResearchGate] [Xplore]

[J100] Mohamed Alzenad, Amr El-Keyi, Faraj Lagum, and Halim Yanikomeroglu, “3D placement of an unmanned aerial vehicle base station (UAV-BS) for energy-efficient maximal coverage”, *IEEE Wireless Communications Letters*, vol. 6, no. 3, pp. 434-437, August 2017. [arXiv] [ResearchGate] [Xplore]


[J98] Quoc-Nam Le-The, Tamer Beitelmal, Faraj Lagum, Sebastian S. Szyszkowicz, and Halim Yanikomeroglu, “Cell switch-off algorithms for spatially irregular base station deployments”, *IEEE Wireless Communications Letters*, vol. 6, no. 3, pp. 354-357, June 2017. [ResearchGate] [Xplore]

[J97] Hamza Umit Sokun, Ebrahim Bedeer, Ramy H. Gohary, and Halim Yanikomeroglu,
“Optimization of discrete power and resource block allocation for achieving maximum energy efficiency in OFDMA networks”, IEEE Access, vol. 5, pp. 8648-8658, 2017. [ResearchGate] [Xplore]


communication underlaying a finite cellular network region”, *IEEE Transactions on Wireless Communications*, vol. 16, no. 1, pp. 332-347, January 2017. [arXiv] [ResearchGate] [Xplore]

[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]


[C219] Hossein Khoshnevis, Ian Marsland, Hamid Jafarkhani, and Halim Yanikomeroglu, “Joint optimization of polar codes and STBCs”, *IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC)* 2017, 08–13 October 2017, Montreal, Quebec, Canada. [ResearchGate] [Xplore]

[C218] Hossein Khoshnevis, Ian Marsland, and Halim Yanikomeroglu, “Polar coded multi-antenna multidimensional constellations in partially coherent channels”, *IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC)* 2017, 08–13 October 2017, Montreal, Quebec, Canada. [ResearchGate] [Xplore]

[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]


[C214] Ebrahim Bedeer, Jeff Pugh, Colin Brown, and Halim Yanikomeroglu, “A measurement-based path loss and delay spread propagation models in VHF/UHF bands for IoT
communications”, *IEEE Vehicular Technology Conference (VTC2017-Fall)*, 24–27 September 2017, Toronto, Canada. [ResearchGate] [Xplore]

[C213] Amr El-Keyi, Oktay Ureten, Trevor Yensen, and Halim Yanikomeroglu, “LTE physical-layer identity detection in the presence of jamming”, *IEEE Vehicular Technology Conference (VTC2017-Fall)*, 24–27 September 2017, Toronto, Canada. [ResearchGate] [Xplore]

[C212] Hossein Khoshnevis, Ian Marsland, and Halim Yanikomeroglu, "Throughput-based design of polar codes", *IEEE Vehicular Technology Conference (VTC2017-Fall)*, 24–27 September 2017, Toronto, Canada. [ResearchGate] [Xplore]


[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]


2016 (15 IEEE journal papers + 11 conference papers)


[J85] Irem Bor-Yaliniz and Halim Yanikomeroglu, “The new frontier in RAN heterogeneity: Multi-tier drone-cells”, *IEEE Communications Magazine*, vol. 54, no. 11, pp. 48-55, November 2016. [ResearchGate] [arXiv] [Xplore]

[J84] Jorge Cabrejas, Sandra Rogers, Daniel Calabuig, Yaser M. M. Fouad, Ramy H. Gohary, Jose
F. Monserrat, and Halim Yanikomeroglu, “Non-coherent open-loop MIMO communications over temporally-correlated channels”, *IEEE Access*, vol. 4, pp. 6161-6170, 2016. [ResearchGate] [Xplore]


[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*, vol. 54, no. 8, pp. 60-69, August 2016. [ResearchGate] [Xplore]

[J80] Sebastian Szyszkowicz, Andres Lou, and Halim Yanikomeroglu, “Automated placement of individual millimeter-wave wall-mounted base stations for line-of-sight coverage of outdoor urban areas”, *IEEE Wireless Communications Letters*, vol. 5, no. 3, pp. 316-319, June 2016. [ResearchGate] [Xplore]

[J79] Faraj Lagum, Sebastian S. Szyszkowicz, and Halim Yanikomeroglu, “CoV-based metrics to quantify the regularity of hard-core point processes for modeling the locations of base stations”, *IEEE Wireless Communications Letters*, vol. 5, no. 3, pp. 276-279, June 2016. [Xplore]


[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”, *2016 IEEE Global Communications Conference (Globecom)*, 4–8 December 2016, Washington, DC, USA. [Xplore]


[C204] Faraj Lagum, Sebastian Szyszkowicz, and Halim Yanikomeroglu, “Quantifying the regularity of perturbed triangular lattices using CoV-based metrics for modeling the locations of Base Stations in HetNets”, *IEEE 84th Vehicular Technology Conference (VTC2016-Fall)*, 18–21 September 2016, Montreal, QC, Canada. [Xplore]

[C203] Rainer Schoenen, Hamza Umit Sokun, and Halim Yanikomeroglu, “Green cellular demand control with user-in-the-loop enabled by smart data pricing using an effective quantum (eBit) tariff”, *IEEE 84th Vehicular Technology Conference (VTC2016-Fall)*, Invited Paper, 18–21 September 2016, Montreal, QC, Canada. [Xplore]

[C202] Elham Kalantari, Halim Yanikomeroglu, and Abbas Yongacoglu, “On the number and 3D placement of drone base stations in wireless cellular networks”, *IEEE 84th Vehicular Technology Conference (VTC2016-Fall)*, 18–21 September 2016, Montreal, QC, Canada. [arXiv] [ResearchGate] [Xplore]

[C201] Tamer Beitelmal, Sebastian Szysztkowicz, and Halim Yanikomeroglu, “Regular and static sector-based cell switch-off patterns”, *IEEE 84th Vehicular Technology Conference (VTC2016-Fall)*, 18–21 September 2016, Montreal, QC, Canada. [Xplore]


2015 (9 IEEE journal papers + 14 conference papers)


[C195] Hossein Khoshnevis, Ian Marsland, and Halim Yanikomeroglu, “Irregular multidimensional constellations for orthogonal STBCs”, *IEEE Global Communications Conference (Globecom) 2015*, 6–10 December 2015, San Diego, CA, USA.


2014 (6 IEEE journal papers + 15 conference papers)


[J59] Ramy Gohary and Halim Yanikomeroglu, “Grassmannian signalling achieves tight bounds
on the ergodic high-SNR capacity of the noncoherent MIMO full-duplex relay channel", *IEEE Transactions on Information Theory*, vol. 60, no. 5, pp. 2480-2494, May 2014. [Xplore]


[C179] Davut Incebacak, Bulent Tavli, and Halim Yanikomeroglu, “Trade-offs in sum-rate maximization and fairness in relay-enhanced OFDMA-based cellular networks”, *IEEE Global Communications Conference (Globecom) 2014*, 8–12 December 2014, Austin, TX, USA.

[C178] Rainer Schoenen and Halim Yanikomeroglu, “Resource pooling in network virtualization and heterogeneous scenarios using stochastic Petri nets”, *IEEE Global Communications Conference (Globecom) 2014*, 8–12 December 2014, Austin, TX, USA.


2013 (6 IEEE journal papers + 9 conference papers)


tradeoff between sum-rate efficiency and Jain’s fairness index in resource allocation”, *IEEE Transactions on Wireless Communications*, vol. 12, no. 7, pp. 3496-3509, July 2013.


2012 (6 IEEE journal papers + 16 conference papers)


[C151] Ramy Gohary and Halim Yanikomeroglu, "Grassmannian decode-and-forward achieves the ergodic high SNR capacity of the non-coherent MIMO relay channel within a constant gap", IEEE Information Theory Workshop (ITW 2012), 3–7 September 2012, Lausanne, Switzerland. [pdf]


[C146] Talha Ahmad, Ramy Gohary, Halim Yanikomeroglu, Saad Al-Ahmadi, and Gary


2011 (8 IEEE journal papers + 15 conference papers)


[J40] Akram Bin Sediq, Petar Djukic, Halim Yanikomeroglu, and Jietao Zhang, “Optimized non-
uniform constellation rearrangement for cooperative relaying”, *IEEE Transactions on Vehicular Technology*, vol. 60, no. 5, pp. 2340-2347, June 2011. [pdf]


International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2011), 11–14 September 2011, Toronto, ON, Canada. [pdf]


2010


[C125] Houda Chafnaji, Tarik Ait-Idir, Halim Yanikomeroglu, and Samir Saoudi, “Signal-level
turbo packet combining for multi-rate relay-assisted systems over multi-antenna broadband channels”, IEEE Globecom 2010, 6 -10 December 2010, Miami, FL, USA.


[C120] Alireza Sharifian, Petar Djukic, Halim Yanikomeroglu, and Jietao Zhang, “Max-min fair resource allocation for multiuser amplify-and-forward relay networks”, IEEE Vehicular Technology Conference (VTC2010-Fall), 6 – 9 September 2010, Ottawa, ON, Canada. [pdf]


[C118] Mohammad G. Khoshkholgh, Keivan Navaie, and Halim Yanikomeroglu, “Novel approaches to determine the optimal operating point of spectrum sensing in overlay spectrum sharing”, IEEE Vehicular Technology Conference (VTC2010-Fall), 6 – 9 September 2010, Ottawa, ON, Canada.


Workshop on Signal Processing Advances in Wireless Communications (SPAWC 2010), 20-23 June 2010, Marrakech, Morocco. [pdf]


[C105] Muhammad Aljuaid and Halim Yanikomeroglu, “Investigating the validity of a Gaussian approximation for the distribution of the aggregate interference power in large wireless networks”, 25th Biennial Symposium on Communications (QBSC 2010), 12 – 14 May 2010, Queen’s University, Kingston, ON, Canada. [pdf]
Akram Bin Sediq, Petar Djukic, Halim Yanikomeroglu, and Jietao Zhang, “Near-optimal non-uniform constellation rearrangement for cooperative relaying”, 25th Biennial Symposium on Communications (QBSC 2010), 12 – 14 May 2010, Queen’s University, Kingston, ON, Canada.


2009


Sebastian Szyszkowski 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]


Mohamed Salem, Abdulkareem Adinoyi, Mahmudur Rahman, Halim Yanikomeroglu, David Falconer, Young-Doo Kim, Wonjae Shin, and Eungsun Kim, “Fairness-aware joint routing

[C91] Saad Al-Ahmadi and Halim Yanikomeroglu, “On the role of the input power constraint in the beamforming optimality range in TIMO channels”, Canadian Workshop on Information Theory (CWIT), 13 – 15 May 2009, Ottawa, ON, Canada. [pdf]


2008


2007


2006


[C50] Yijia Fan, Abdulkareem Adinoyi, John Thompson, and Halim Yanikomeroglu, "Space

2005


2004


[C35] Halim Yanikomeroglu, "Cellular multihop communications: infrastructure-based relay network architecture for 4G wireless systems", the 22nd Queen's Biennial Symposium on Communications (QBSC'04), 1-3 June 2004, Queen's University, Kingston, Ontario, Canada; invited paper. [doc]


2003


[C24] Shoaev Hares, Halim Yanikomeroglu, and Bassam Hashem, "Multi-hop relaying with diversity in peer-to-peer networks", World Wireless Research Forum (WWRF9) meeting no. 9, 1-2 July 2003, Zurich, Switzerland. [doc]

[C23] Mohamed H. Ahmed, Halim Yanikomeroglu, David D. Falconer, and Samy Mahmoud,
"Performance enhancement of joint adaptive modulation, coding and power control using cochannel-interferer assistance and channel reallocation", IEEE Wireless Communications and Networking Conference (WCNC'03), 16-20 March 2003, New Orleans, LA, USA. [pdf]


2002


[C18] Mohamed H. Ahmed, Samy Mahmoud, and Halim Yanikomeroglu, "A simulation testbed for radio resource management in broadband fixed wireless access", 21st Queen's Biennial Symposium on Communications (QBSC'02), 2-5 June, 2002, Queen's University, Kingston, ON, Canada. [pdf]


2001


[C15] John Boyer, David D. Falconer, and Halim Yanikomeroglu, "A theoretical characterization of the multihop wireless communications channel without diversity", the 12th IEEE International
Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC'01), September 30 - October 3, 2001, San Diego, CA, USA. [pdf]


2000


1999


1998


[C06] Halim Yanikomeroglu and Elvino S. Sousa, "CDMA sectorized distributed antenna

1997


Halim Yanikomeroglu and Elvino S. Sousa, "Steiner minimal tree architectures for the interconnection of wireless access networks", Proc. the 5th Canadian Workshop on Information Theory (CWIT'97), pp. 113-116, 3-6 June 1997, Toronto, ON, Canada.

1996

Halim Yanikomeroglu and Elvino S. Sousa, "Wireless access network architectures", in Proc. 3rd International Workshop on Mobile Multimedia Communications (MoMuC'96), 25-27 September 1996, Princeton, NJ, USA.

1993

Halim Yanikomeroglu and Elvino S. Sousa, "CDMA distributed antenna system for indoor wireless communications", in Proc. 2nd International Conference on Universal Personal Communications (ICUPC'93), pp. 990-994, October 1993, Ottawa, ON, Canada. [pdf]

Book Chapters


Petar Djukic, Mahmudur Rahman, Halim Yanikomeroglu, and Jietao Zhang, “Advanced


Selected Non-Refereed Publications

"WWRF WG4 - White Paper: Relay-Based Deployment Concepts for Wireless and Mobile Broadband Cellular Radio", prepared by contributions from thirteen researchers including H. Yanikomeroglu, Joint Workshop IEEE - WWRF, October 2003, New York, USA.

"Relay-Based Deployment Concepts White Paper", prepared by nine researchers including H. Yanikomeroglu, World Wireless Research Forum (WWRF) meeting no. 9, July 2003, Zurich, Switzerland.
