**List of Publications**

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**Submissions under Review**

**[JS11]** Monirosharieh Vameghestahbanati, Ian Marsland, Ramy Gohary, and Halim Yanikomeroglu, “A novel SD-based detection for geenralized SCMA constellations”, under review in *IEEE Communications Letters* (submission: 04 November 2018).

**[JS10]** Cihan Tugrul Cicek, Tugser Kutlu, Hakan Gultekin, Bulent Tavli, and Halim Yanikomeroglu, “Backhaul-aware placement of a UAV-BS with bandwidth allocation for user-centric operation and profit maximization”, under review in *IEEE Transactions on Vehicular Technology* (submission: 27 October 2018).

**[JS09]** 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”, under review in *IEEE Vehicular Technology Magazine* (submission: 15 October 2018).

**[JS08]** Islam Abu Mahady, Ebrahim Bedeer, Salama Ikki, and Halim Yanikomeroglu, “Sum-rate maximization of NOMA systems under imperfect successive interference cancellation”, under review in *IEEE Communications Letters* (submission: 11 October 2018, 1st results: 15 November 2018).

**[JS07]** Faraj Lagum, Sebastian Szyszkowicz, and Halim Yanikomeroglu, “A metric for measuring the spatial relationship among the base stations and its applications”, under review in *IEEE Transactions on Wireless Communications* (submission: 06 September 2018).

**[JS06]** Arman Azizi, Saeedeh Parsaeefard, Mohammad Reza Javan, Nader Mokhari, and Halim Yanikomeroglu, “Profit maximization in beyond-5G with heterogeneous aerial and ground base stations”, under review in *IEEE Transactions on Mobile Computing* (submission: 22 July 2018, 1st results: 17 September 2018).

**[JS05]** Hossein Khoshnevis, Ian Marsland, Hamid Jafarkhani, and Halim Yanikomeroglu, “Space-time signal design for multilevel polar coding in slow fading broadcast channels”, under review in *IEEE Transactions on Communications* (submission: 13 July 2018, 1st results: 26 October 2018).

**[JS04]** Hatem Abou-Zeid, Farhan Pervez, Abdulkareem Adinoyi, Mohammed Aljlayl, and Halim Yanikomeroglu, “Cellular V2X transmission for connected and autonomous vehicles: Standardization, applications, and enabling technologies”, under review in *IEEE Consumer Electronics Magazine* (submission: 03 July 2018, 1st results: 27 August 2018, 1st revision: 26 September 2018, 2nd results: 02 October 2018, 2nd revision: 23 October 2018).

**[JS03]** S. Enayati, Hamid Saeedi, Hossein Pishro-Nik, and Halim Yanikomeroglu, “Moving aerial base station networks: Stochastic geometry analysis and design perspectives”, under review in *IEEE Transactions on Wireless Communications* (submission: 12 May 2018, 1st results: 24 October 2018).

**[JS02]** Monirosharieh Vameghestahbanati, Ian Marsland, Ramy H. Gohary, and Halim Yanikomeroglu, “Multidimensional constellations for uplink SCMA systems – A comparative study”, under review in *IEEE Survey and Tutorials* (submission: 16 February 2018, 1st results: 19 February 2018, 1st revision: 13 April 2018, 2nd results: 25 July 2018, 2nd revision: 10 October 2018).

**[JS01]** Eylem Erdogan, Ali Afana, Hamza Umit Sokun, Salama Ikki, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “Signal space cognitive cooperation”, under review in *IEEE Transactions on Vehicular Technology* (submission: 20 January 2018, 1st results: 21 April 2018, 1st revision: 20 June 2018, 2nd results: 05 September 2018, 2nd revision: 28 October 2018).

**[CS11]** Rawan Alkurd, Ibrahim Abualhaol, and Halim Yanikomeroglu, “Dataset modeling for data-driven AI-based personalized applications in wireless networks”, under review in *IEEE International Conference in Communications (ICC) 2019*, Shanghai, China, 20–24 May 2019.

**[CS10]** 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.

**[CS09]** Mohammad G. Khoshkholgh, Keivan Navaie, Halim Yanikomeroglu, Victor C.M. Leung, and Kang G. Shin, “How do non-ideal UAV antennas affect air-toground communications?”, *IEEE International Conference in Communications (ICC) 2019*, Shanghai, China, 20–24 May 2019.

**[CS08]** Mohammad G. Khoshkholgh, Keivan Navaie, Halim Yanikomeroglu, Victor C.M. Leung, and Kang G. Shin, “Coverage performance in aerial-terrestrial HetNets”, *IEEE Vehicular Technology Conference (VTC2019-Spring)*, 28 April – 01 May 2019, Kuala Lumpur, Malaysia.

**[CS07]** Zakaria El-Moutaouakkil, Kamel Tourki, Samir Saoudi, and Halim Yanikomeroglu, “Interference-aware TAS for cross-interference mitigation in cognitive MIMO MRC systems”, *IEEE Wireless Communications and Networking Conference (WCNC) 2019*, 15–18 April 2019, Marrakech, Morocco.

**[CS06]** Mohammad Farsi, Hamid Saeedi, and Halim Yanikomeroglu, “PAPR analysis and reduction for sparce code multiple access”, *IEEE Wireless Communications and Networking Conference (WCNC) 2019*, 15–18 April 2019, Marrakech, Morocco.

**[CS05]** Ebrahim Bedeer, Halim Yanikomeroglu, and Mohamed Hossam Ahmed, “Low-complexity detection of M-ary PSK faster-than-Nyquist (FTN) signaling”, *IEEE Wireless Communications and Networking Conference (WCNC) 2019*, 15–18 April 2019, Marrakech, Morocco.

**[CS04]** Mohammad G. Khoshkholgh, Keivan Navaie, Kang G. Shin, Victor C.M. Leung, and Halim Yanikomeroglu, “Caching or no caching in dense HetNets?”, *IEEE Wireless Communications and Networking Conference (WCNC) 2019*, 15–18 April 2019, Marrakech, Morocco.

**[CS03]** Mohammad G. Khoshkholgh, Keivan Navaie, Halim Yanikomeroglu,  Victor C.M. Leung, and Kang G. Shin, “Randomized caching in cooperative UAV-enabled fog-RAN”, *IEEE Wireless Communications and Networking Conference (WCNC) 2019*, 15–18 April 2019, Marrakech, Morocco.

**[CS02]** Michel Kulhandjian, Hovannes Kulhandjian, Claude D’Amours, Halim Yanikomeroglu, and Gurgen Khachatrian, “Fast decoder for overloaded uniquely decodable synchronous optical CDMA”, *IEEE Wireless Communications and Networking Conference (WCNC) 2019*, 15–18 April 2019, Marrakech, Morocco.

**[CS01]** 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.

**Refereed Publications**

**2018**

**[J131]** 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* (acceptance: 08 November 2018).

**[J130]** Hossein Khoshnevis, Ian Marsland, and Halim Yanikomeroglu, “Throughput-based design for polar coded-modulation”, *IEEE Transactions on Communications* (acceptance: 28 October 2018). [arXiv] [pdf]

**[J129]** 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, Special Issue on Integrating UAVs into 5G and Beyond* (acceptance: 10 October 2018). [pdf]

**[J128]** 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* (acceptance: 02 October 2018). [pdf]

**[J127]** Vitaly Petrov, Konstantin Mikhaylov, Dmitri Moltchanov, Sergey Andreev, Gabor Fodor, Johan Torsner, Halim Yanikomeroglu, Markku Juntti, and Yevgeni Koucheryavy, “When IoT keeps people in the loop: A path towards a new global utility”, *IEEE Communications Magazine* (acceptance: 14 September 2018).

**[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* (acceptance: 05 September 2018). [pdf]

**[J125]** Ramy Gohary and Halim Yanikomeroglu, “Noncoherent MIMO signalling for block-fading channels: Approaches and challenges”, *IEEE Vehicular Technology Magazine* (acceptance: 24 July 2018).

**[J124]** Xianbin Cao, Peng Yang, Mohamed Alzenad, Xing Xi, Dapeng Wu, and Halim Yanikomeroglu, “Airborne communication networks: A survey”, *IEEE Journal on Selected Areas in Communications* (acceptance: 06 July 2018). [pdf]

**[J123]** Jing Guo, Xiangyun Zhou, Salman Durrani, and Halim Yanikomeroglu, “Design of non-orthogonal multiple access enhanced backscatter communication”, *IEEE Transactions on Wireless Communications*, vol. 17, no. 10, pp. 6837-6852, October 2018. [pdf]

**[J122]** Mehmet Cagri Ilter and Halim Yanikomeroglu, “Convolutionally coded SNR-adaptive transmission for low-latency communications”, *IEEE Transactions on Vehicular Technology*, vol. 67, no. 9, pp. 8964-8968, September 2018. [pdf]

**[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. [pdf]

**[J120]** Irem Bor-Yaliniz, Sebastian S. Szyszkowicz, and Halim Yanikomeroglu, “Environment-aware drone-base-station placements in modern metropolitans”, *IEEE Wireless Communications Letters*, vol. 7, no. 3, pp. 372-375, June 2018. [pdf]

**[J119]** Zakaria El-Moutaouakkil, Kamel Tourki, Halim Yanikomeroglu, and Samir Saoudi, “TAS strategies for incremental cognitive MIMO relaying: New results and accurate comparison”, *IEEE Access*, vol. 6, pp. 23480-23499, 2018. [pdf]

**[J118]** Taimour Aldalgamouni, Mehmet Cagri Ilter, and Halim Yanikomeroglu, “Joint power allocation and constellation design for cognitive radio systems”, *IEEE Transactions on Vehicular Technology*, vol. 67, no. 5, pp. 4661-4665, May 2018. [pdf]

**[J117]** Meisam Mirahsan, Gamini Senarath, Hamid Farmanbar, Ngoc Dung Dao, and Halim Yanikomeroglu, “Admission control and wireless virtual networks in HetHetNets”, *IEEE Transactions on Vehicular Technology*, vol. 67, no. 5, pp. 4565-4576, May 2018. [pdf]

**[J116]** Yaser M. M. Fouad, Ramy H. Gohary, and Halim Yanikomeroglu, “Chinese remainder theorem based sequence design for resource block assignment in relay-assisted internet-of-things communications”, *IEEE Transactions on Wireless Communications*, vol. 17, no. 5, pp. 3401-3416, May 2018. [pdf]

**[J115]** Tamer Beitalmal, Sebastian S. Szyszkowicz, David Gonzalez G., and Halim Yanikomeroglu, “Sector and site switch-off regular patterns for energy saving in cellular networks”, *IEEE Transactions on Wireless Communications*, vol. 17, no. 5, pp. 2932-2945, May 2018. [pdf]

**[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. [pdf]

**[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. [pdf]

**[J112]** Mehmet Cagri Ilter, Pawel A. Dmochowski, and Halim Yanikomeroglu, “Revisiting error analysis in convolutionally coded systems: The irregular constellation case”, *IEEE Transactions on Communications*, vol. 66, no. 2, pp. 465-477, February 2018. [pdf]

**[J111]** Salime Bameri, Siamak Talebi, Ramy H. Gohary, and Halim Yanikomeroglu, “A novel self-interference cancellation scheme for channel-unaware differential space-time two-way relay networks”, *IEEE Transactions on Wireless Communications*, vol. 17, no. 2, pp. 1226-1241, February 2018. [pdf]

**[J110]** Mohamed Alzenad, Muhammad Z. Shakir, Halim Yanikomeroglu, and Mohamed-Slim Alouini, “FSO-based vertical backhaul/fronthaul framework for 5G+ wireless networks”, *IEEE Communications Magazine*, vol. 56, no. 1, pp. 218-224, January 2018. [pdf] [arXiv:1607.01472]

**[C232]** Mohamed Alzenad and Halim Yanikomeroglu, “Coverage and rate analysis for unmanned aerial vehicle base stations with LoS/NLoS propagation”, *IEEE Globecom 2018 Workshops*, 9–13 December 2018, Abu Dhabi, UAE. [pdf]

**[C231]** Jing Guo, Xiangyun Zhou, Salman Durrani, and Halim Yanikomeroglu, “Backscatter communications with NOMA”, Invited Paper, *15th International Symposium on Wireless Communication Systems (ISWCS) 2018*, 28–31 August 2018, Lisbon, Portugal. [pdf]

**[C230]** 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.

**[C229]** 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. [pdf]

**[C228]** Margarita Gapeyenko, Irem Bor-Yaliniz, Sergey Andreev, Halim, Yanikomeroglu, and Yevgeni Koucheryavy, “Effects of blockage in deploying mmWave drone base stations for beyond-5G networks”, Invited Paper, *IEEE International Conference on Communications Workshops (ICCW) 2018*, 20–24 May 2018, Kansas City, MO, USA. [pdf]

**[C227]** 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. [pdf]

**[C226]** Hamza Umit Sokun, Ebrahim Bedeer, Ramy Gohary, and Halim Yanikomeroglu, “Fairness-oriented resource allocation for energy efficiency optimization in uplink OFDMA networks”, *IEEE Wireless Communications and Networking Conference (WCNC) 2018*, 15–18 April 2018, Barcelona, Spain. [pdf]

**[C225]** 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. [pdf]

**[C224]** 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. [pdf]

**2017**

**[J109]** Hossein Khoshnevis, Ian Marsland, and Halim Yanikomeroglu, “Design of high-SNR multidimensional constellations for orthogonal transmission in a Nakagami-m fading channel”, *IEEE Access*, vol. 5, pp 26623-26638, 2017. [pdf]

**[J108]** Monirosharieh Vameghestahbanati, Ebrahim Bedeer, Ian Marsland, Ramy H. Gohary, and Halim Yanikomeroglu, “Enabling sphere decoding for SCMA”, *IEEE Communications Letters*, vol. 21, no. 12, pp. 2750-2753, December 2017. [pdf]

**[J107]** Hamza Umit Sokun, Ramy H. Gohary, and Halim Yanikomeroglu, “A novel approach for 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. [pdf]

**[J106]** Philip R. Balogun, Ian D. Marsland, Ramy H. Gohary, and Halim Yanikomeroglu, “Polar code design for irregular multidimensional constellations”, *IEEE Access*, vol. 5, pp. 21941-21953, 2017. [pdf]

**[J105]** Amr El-Keyi, Oktay Ureten, Halim Yanikomeroglu, and Trevor Yensen, “LTE for public safety networks: Synchronization in the presence of jamming”, Invited Paper in Special Section on Mission Critical Public-Safety Communications: Architectures, Enabling Technologies, and Future Applications, *IEEE Access*, vol. 5, pp. 20800-20813, 2017. [pdf]

**[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. [pdf]

**[J103]** Jing Guo, Salman Durani, 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. [pdf]

**[J102]** Ebrahim Bedeer, Mohamed Hossam Ahmed, and Halim Yanikomeroglu, “Low-complexity detection of high-order QAM faster-than-Nyquist signaling”, *IEEE Access*, vol. 5, pp. 14579-14588, 2017. [pdf]

**[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. [pdf]

**[J100]** Mohamed Alzenad, Amr El-Keyi, Faraj Lagum, and Halim Yanikomeroglu, “3-D 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. [pdf]

[J99] 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. [pdf]

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

**[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. [pdf]

**[J96]** Dmitrii Solomitckii, Margarita Gapeyenko, Sebastian Szyszkowicz, Sergey Andreev, Halim Yanikomeroglu, and Yevgeni Koucheryavy, “Towards massive ray-based simulations of mmWave small cells on open urban maps”, *IEEE Antennas and Wireless Propagation Letters*, vol. 16, pp. 1435-1438, 2017. [pdf]

**[J95]** Ebrahim Bedeer, Mohamed Hossam Ahmed, and Halim Yanikomeroglu, “A very low complexity successive symbol-by-symbol sequence estimator for binary faster-than-Nyquist signaling”, *IEEE Access*, vol. 5, pp. 7414-7422, 2017. [pdf] [arXiv]

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**[J93]** Eylem Erdogan, Ali Afana, Salama Ikki, and Halim Yanikomeroglu, “Antenna selection in MIMO cognitive AF relaying networks with mutual interference and limited feedback”, *IEEE Communications Letters*, vol. 21, no. 5, pp. 1111-114, May 2017. [pdf]

**[J92]** Faraj Lagum, Quoc-Nam Le-The, Tamer Beitelmal, Sebastian S. Szyszkowicz, and Halim Yanikomeroglu, “Cell switch-off for networks deployed with variable spatial regularity”, *IEEE Wireless Communications Letters*, vol. 6, no. 2, pp. 234-237, April 2017. [pdf]

**[J91]** Nima Palizban, Sebastian Szyszkowicz, and Halim Yanikomeroglu, “Automation of millimeter wave network planning for outdoor coverage in dense urban areas using wall-mounted base stations”, *IEEE Wireless Communications Letters*, vol. 6, no. 2, pp. 206-209, April 2017. [pdf]

**[J90]** Gurhan Bulu, Talha Ahmed, Ramy H. Gohary, Cenk Toker, and Halim Yanikomeroglu, “Antenna port selection in a coordinated cloud radio access network”, *IEEE Communications Letters*, vol. 21, no. 3, pp. 588-591, March 2017. [pdf]

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**[J88]** Mohammad Reza Abedi, Nader Mokari, Hamid Saeedi, and Halim Yanikomeroglu, “Robust resource allocation to enhance physical layer security in systems with full-duplex receivers: Active adversary”, *IEEE Transactions on Wireless Communications*, vol. 16, no. 2, pp. 885-899, February 2017. [pdf]

**[J87]** Jing Guo, Salman Durrani, Xiangyun Zhou, and Halim Yanikomeroglu, “Device-to-device communication underlaying a finite cellular network region”, *IEEE Transactions on Wireless Communications*, vol. 16, no. 1, pp. 332-347, January 2017. [pdf] [arXiv:1510.03162]

**[C223]** 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. [pdf]

**[C222]** Elham Kalantari, Irem Bor, 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. [pdf]

**[C221]** 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. [pdf]

**[C220]** 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)*, 08–13 October 2017, Montreal, Quebec, Canada. [pdf]

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**[C218]** 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)*, 08–13 October 2017, Montreal, Quebec, Canada. [pdf]

**[C217]** 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. [pdf]

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**[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. [pdf]

**[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. [pdf]

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**[C211]** Salime Bameri, Siamak Talebi, Ramy Gohary, and Halim Yanikomeroglu, “Self-interference cancellation for channel-aware differential space-time two-way relay networks”, *IEEE International Workshop on Signal Processing in Wireless Communications (SPAWC) 2017*, 3–6 July 2017, Sapporo, Japan.

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**[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. [pdf] [PresentationSlides]

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