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PUBLICATIONS

2020

1. Mohamed Ershad, M.Meenakshi, " A New Modeling Methodology for Multipath Parameter Estimation in Ultra Wideband Channels", IEEE Transactions on Antennas and Propagation, published by IEEE. pp. Electronic ISSN: 1558-2221 (2020).
2. Ilavarasan Tamilarasan, Brindha Saminathan, Meenakshi Murugappan, "Fiber Impairments Mitigation in OFDM based Cognitive Optical Networks", Optical and Quantum Electronics, (2020).

2019

1. Narmadha Thangamani, M Meenakshi, "A Lightweight Cryptography Technique with Random Pattern Generation", Wireless Personal Communications, published by Springer International. Vol. 104, Issue 4, pp. 1409 - 1432 (2019).
2. P. Thilaga Shri Chandra, L. Senthilkumar, M. Meenakshi, "Material distributive topology design of UWB antenna using parallel computation of improved BPSO with FDTD", Journal of Microwave and Wireless Technologies, Vol. 11, Issue 2, pp. 190-198 (2019).

2018

1. Narmadha T, Kalaiarasi , Meenakshi M, "Lightweight secure ECG transmission in wireless body area networks — PRESENT cipher based implementation", IEEE Xplore, published by IEEE. (2018).
2. Thilaga Shri Chandra, Senthil Kumar L, Meenakshi M, "Joint Optimization of Ground, Feed Shapes with Material Distributive Topology of Patch in UWB Antennas using Improved BPSO", IET Microwaves, Antennas & Propagation, published by Cambridge Press. (2018).

2017

1. Senthil Kumar L, Meenakshi M, "Cross-Layer Based Asymmetric Resource Allocation in Relay-Aided Cognitive Radio Networks", Wireless Personal Communications, published by Springer. (2017).
2. Senthil Kumar L, Meenakshi M, "Optimal Cross-Layer based Asymmetric Resource Allocation for Multidestination Relay Systems", IEEE Transactions on Wireless Communications, published by IEEE. Vol. 17, Issue 1, pp. 250-265 (2017).
3. Senthil Kumar L, Meenakshi M, "Asymmetric Resource Allocation in Relay-Aided Cognitive Radio networks", IEEE Xplore, published by IEEE. (2017).
4. A.P. Thilaga Shri Chandra, and M. Meenakshi, "Design consideration and time domain analysis of compact printed octagonal monopole UWB antenna for WBAN", IEEE Xplore, published by IEEE. pp. 1075-1079 (2017).
5. Thilaga Shri Chandra, Meenakshi M, "Modified Printed Octagonal Monopole UWB antenna for WBAN Applications", IEEE Explorer, IEEE Indian Antenna Week , published by IEEE. (2017).
6. Brindha Saminathan, Ilavarasan Tamilarasan & Meenakshi Murugappan, "Energy and electromagnetic pollution considerations in ARoF-based multi-operator multi-service systems", Photonic Network Communications, published by Springer (2017).

2016

1. Meenakshi, "An Intelligent Fuzzy Based Energy Detection Approach for Cooperative Spectrum Sensing", Circuits and Systems, (2016).
2. Ilavarasan, Meenakshi, "Improved fiber nonlinearity mitigation in dispersion managed optical OFDM links ", Optics Communications, Elsevier Publications, (2016).
3. Vinodkumar V, Meenakshi M, "Tunable Low Power UWB Transmitter for WBAN Application", Journal of Circuits, Systems, and Computers, (2016).
4. I Tamilarasan, B Saminathan, M Murugappan, "Impairment assessment of orthogonal frequency division multiplexing over dispersion-managed links in backbone and backhaul networks", Optical Engineering , (2016).
5. Senthilkumar L, M. Meenakshi, and Vasantha Kumar, "Lyapunov Optimization Based Cross Layer Approach for Green Cellular Network", Journal of Green Engineering, Vol. 5, Issue 2, (2016).

2015

1. Geetha, G, Lakshmi Priya, I & Meenakshi, M, "Modeling of broadband light source for optical network applications using fiber non-linear effect", Journal of Theoretical and Applied Information Technology, Vol. 58, Issue 1, pp. 001-011 (2015).

2. Ilavarasan T, Meenakshi M, "An overview of fiber dispersion and nonlinearity compensation techniques in optical orthogonal frequency division multiplexing systems", Journal of Optics, pp. 255-270 (2015).