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PUBLIC ATIONS

INTERNATIONAL JOURNALS: 16

1. Jagadeesh, V. K., VineethPalliyembil, **P. Muthuchidambaranathan**, and Francis M. Bui. "Free space optical communication using subcarrier intensity modulation through generalized turbulence channel with pointing error." Microwave and Optical Technology Letters57, no. 8 (2015): 1958-1961.

2. Vellakudiyan, Jagadeesh, **Palanivel Muthuchidambaranathan,** Francis Minhthang Bui, and Vineeth Palliyembil. "Performance of a subcarrier intensity modulated differential phase-shift keying over generalized turbulence channel."AEU-International Journal of Electronics and Communications 69, no. 11 (2015): 1569-1573.

3. Surendar, M., and **P. Muthuchidambaranathan**. "Low complexity and high diversity gain non-linear constellation precoded MIMO-OFDM system with subcarrier grouping", Elsevier, AEU - International Journal of Electronics and Communications, Volume 70, Issue 3, March 2016, Pages 265-271, ISSN 1434-8411.

4. Surendar, M., K. Chaitanya and **P. Muthuchidambaranathan**. "Performance analysis of multiple relay cooperative communication over generalized κ–$\mu$and η–μ fading channels", Elsevier, AEU - International Journal of Electronics and Communications, Volume 69, Issue 9, September 2015, Pages 1220-1225, ISSN 1434-8411.

5. Jagadeesh Vellakudiyan, Imran Shafique Ansari, Vineeth Palliyembil, **Palanivel Muthuchidambaranathan,** Khalid A Qaraqe, "Channel capacity analysis of a mixed dual-hop radio-frequency–free space optical transmission system with Málaga distribution", 2016/11/3, IET Communications, 10, issue 16, 2119-2124

6. Kamasani Chaitanya, **Palanivel Muthuchidambaranathan**, "Performance analysis of decode and forward relaying over dual-hop mixed fading channels", 2017/3/31, AEU-International Journal of Electronics and Communications, 73, 84-88.

7. M Surendar, **P Muthuchidambaranathan**, Average BER Performance of Orthogonal Space–Time Block Coding System with Antenna Selection Over Generalized η–μ Fading Channel, 2017/9/1, Wireless Personal Communications, Volume 96, Issue1, Pages 1407-1418.

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9. Sudheesh, P. G., Maurizio Magarini, and **P. Muthuchidambaranathan** (2017), "QoS-Data Rate Optimization for Fast Fading Interference Alignment X Network", AEU-International Journal of Electronics and Communications (Article in Press)

10. Sudheesh, P. G., Mohammad Mozaffari, Maurizio Magarini, Walid Saad, and **P. Muthuchidambaranathan**, (2017), "Sum-Rate Analysis for High Altitude Platform (HAP) Drones with Tethered Balloon Relay". IEEE Communications Letters. (Article in Press)

11. Sudheesh P G, Navuday Sharma, Maurizio Magarini, and **P Muthuchidambaranathan,** (2017), "Effect of imperfect CSI on interference alignment in multiple-High Altitude Platforms based communication". Physical Communication. (Article in Press)

12. Sudheesh, P. G., Maurizio Magarini, and **P. Muthuchidambaranathan** , (2015), "Interference Alignment with Iterative Channel Estimation for the Reciprocal M X 2 MIMO X Network", Physical Communication, Elsevier (Article in Press)

13. PG Sudheesh, Maurizio Magarini, **P Muthuchidambaranathan**, "Multiple-high altitude platforms aided system architecture for achieving maximum last mile capacity in satellite communication", Telecommunication Systems, Springer US, pp 1-9, 2018.

14. Vineeth Palliyembil, Jagadeesh Vellakudiyan, **Palanivel Muthuchidamdaranathan**, Theodoros A. Tsiftsis, "Capacity and outage probability analysis of asymmetric dual-hop RF–FSO communication systems", IET Communications, 12, pp. 1979 – 1983, 2018.

15. Vineeth Palliyembil, Jagadeesh Vellakudiyan, **Palanivel Muthuchidamdaranathan**, "Asymptotic bit error rate analysis of free space optical systems using spatial diversity", Optics Communications, Elsevier, 427, 617-621, 2018.

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