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## List of Publications

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### International journals

- **S. H. A. Alsamhi**, N. S. Rajput, “Interference Environment between High Altitude Platform Station and Fixed Wireless Access Stations”, Int’l Jr. of Engineering, Research and Application, Vol.2, pp.1508-1513, 2012. [DOAJ, IF=1.69].
  - **S. H. A. Alsamhi**, N. S. Rajput, “Methodology for Mitigation of Interference between High Altitude Platform Ground Stations to Terrestrial Stations” Int’l Jr. of Science and Engineering Research, Vol.3, 2012. [IF=3.2].
  - **S. H. Alsamhi**, N. S. Rajput and V. N. Mishra, “Guarantee QoS in Coexistence of High Altitude Platform System and WiMAX Terrestrial System”, KIET International Journal of Communications & Electronic, Vol.1, No. 3, PP.9-15, 2013.
  - **S. H. Alsamhi**, N. S. Rajput,” Neural Network in a Joint HAP and Terrestrial Fixed Broadband System”, Int’l Jr. of Technological Exploration and Learning, Vol.3, No.1, PP.344-348, 2014. [DOAJ,SCI, IF=0.8965].
  - **S. H. Alsamhi**, N. S. Rajput,” Neural Network in Intelligent Hand-off for QoS in HAP and Terrestrial Systems”, Int’l. Jr. of Materials Science and Engineering, Vol. 2, No. 2, PP.141-146, 2014.
  - **S. H. Alsamhi**, N. S. Rajput,” An Intelligent HAP for Broadband Wireless Communications: Developments, QoS and Applications”, Int’l Jr. of Electronics and Electrical Engineering Vol. 3, No. 2, PP.134-143, 2015. [IF=2.489, SCI –Edge].
  - **S. H. Alsamhi**, N. S. Rajput, “An Intelligent Hand-off Algorithm to Enhance Quality of Service in High Altitude Platforms Using Neural Network”, Jr. of Wireless Personal Communications, ‘Springer’ PP. 1-15, 2015. [SCI, IF=0.979] (Springer).
  - **S. H. Alsamhi**, N. S. Rajput, “An Efficient Channel Allocation Technique for Improved QoS for Mobile Communication Deployment using HAP” communicated with IEEE Trans. on communication. [SCI, IF=1.9](IEEE).
  - **S. H. Alsamhi**, N. S. Rajput “Design Call Admission Control Technique in HAP for Enhancing QoS in Wireless Network Deployment” Accepted in Telecommunication Systems. [SCI, IF=0.705] (Springer).
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### International Conferences

- **S. H. A. AlSamhi**, N. S. Rajput” Mitigation co-channel interference between High Altitude Platform Ground station and Fixed Wireless Access stations” in Proc. ICCLSP.4G-2012, MERI, Paper71, Jan- 2012.
  - **S. H. A. AlSamhi**, N. S. Rajput and V. N. Mishra, “Adaptive Intelligent Hand-off Algorithm in High Altitude Platform System”, Proc. AISC-2012, International Conference on Artificial Intelligence and Soft Computing , Department of Computer Engineering Indian Institute of Technology(BHU), PP. 30-33, 2012.
  - **S. H. Alsamhi**, N. S. Rajput,” Efficient Cooperative HAP-Terrestrial WiMAX System” proc. CAEECE-2014, Int’l Conference on Advances in Electrical, Electronics and Computer Engineering, 2014.
  - **S. H. Alsamhi**, N. S. Rajput, ”HAP Antenna Radiation Pattern for Providing Coverage and Service Characteristics,” in Advances in Computing, Communications and Informatics (ICACCI, 2014 International Conference on, 2014, pp. 1434-1439. IEEE Conference.
  - **S. H. Alsamhi**, N. S. Rajput, ”Performance and Analysis of Propagation Models for Efficient Hand-off in High Altitude Platform System to Sustain QoS, ” in Electrical, Electronics and Computer Science (SCEECS), 2014 IEEE Students' Conference on, 2014, pp. 1-6.
  - S. A. Khaleefa , **S. H. Alsamhi**, N. S. Rajput,” Tethered Balloon Technology for Telecommunication, Coverage and Path Loss” , in Electrical, Electronics and Computer Science (SCEECS), 2014 IEEE Students' Conference on, 2014, pp. 1-6. IEEE Conference.
  - S. A. Khaleefa, **S. H. Alsamhi** and N. S. Rajput,” Coverage of Tethered Balloon Technology”, Proc. CAEECE-2014, International Conference on Advances in Electrical, Electronics and Computer Engineering, 2014.
  - **S. H. AlSamhi**, N. S. Rajput, “Analysis of Hand-off Initiation Using RSS in High Altitude Platforms”, IEEE Int’l. Conference of Computing and Clouding 2015, King Neurah University, Ryadah, Saudia Arabia, 2015, King Neurah University, Ryadah, Saudia Arabia, 2015.
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