

PUBLISHED PAPERS

1. Omusonga, R. J., Nyaanga, D. M. Githeko, J. M. & Chomba, B. K. (2015). Effects of roofing materials and angle of incidence on nav aids signal strength. *Industrial Engineering Letters Vol. 5 No. 5 pp. 137 – 151, May 2015*. International Institute of Science Technology and Engineering.
<http://iiste.org/Journals/index.php/IEL/article/view/22279/22785>
OR
<http://iiast.com/documents/Effects-of-roofing-materials-and-angle-of-incidence-on-navaids-signal-strength.pdf>
2. Omusonga, R. J. (2015). Impact of choice of roofing materials on nav aids wave polarization. *Innovative Systems Design and Engineering Vol. 6 No.5 pp. 104 – 113, May 2015*. International Institute of Science Technology and Engineering.
<http://iiste.org/Journals/index.php/ISDE/article/view/22743/22818>
OR
<http://iiast.com/documents/The-Impact-of-Choice-of-Roofing-Material-on-Nav aids-Wave-Polarization.pdf>
3. Omusonga, R. J. (2015). Comparison of effects of various roofing materials on nav aids transmission distance. *International Journal of Engineering and Advanced Technology Studies Vol. 3 No. 2 pp. 1 – 16, June 2015*. European Centre for Research and Development.
<http://www.eajournals.org/wp-content/uploads/COMPARISON-OF-THE-EFFECTS-OF-VARIOUS-ROOFING-MATERIALS-ON-NAVAIDS-TRANSMISSION-DISTANCE-Omusonga.pdf>
OR
<http://iiast.com/documents/COMPARISON-OF-THE-EFFECTS-OF-VARIOUS-ROOFING-MATERIALS-ON-NAVAIDS-TRANSMISSION-DISTANCE.pdf>

CONFERENCE PAPER

1. Omusonga, R. J., Nyaanga, D. M., Githeko, J. M. & Chomba, B. K. (2015). Effects of selected roofing materials on air navigation signal strength. *Kabarak University 5th Annual International Conference. Symposium S2015-A, 14th - 17th July 2015*. Kabarak University, Nakuru Kenya.
<http://eserver.kabarak.ac.ke:8082/ocs/index.php/conf05/conf05/paper/view/309>

MASTERS THESIS

1. Omusonga, R. J. (2016). Effects of selected roofing materials and angle of incidence on air navigational signal propagation. *Master of Science in Engineering Systems & Management. Faculty of Engineering and Technology. BM12/2074/08. Egerton University.*

<http://iiast.com/documents/ROBERT-JERE-OMUSONGA-MASTER-OF-SCIENCE-THESIS.pdf>

OR

[http://ir-](http://ir-library.egerton.ac.ke/jspui/bitstream/123456789/1466/1/Effects%20of%20selected%20roofing%20materials%20on%20air%20navigation%20signal%20propagation.pdf)

[library.egerton.ac.ke/jspui/bitstream/123456789/1466/1/Effects%20of%20selected%20roofing%20materials%20on%20air%20navigation%20signal%20propagation.pdf](http://ir-library.egerton.ac.ke/jspui/bitstream/123456789/1466/1/Effects%20of%20selected%20roofing%20materials%20on%20air%20navigation%20signal%20propagation.pdf)

INDUSTRIAL RESEARCH CONCEPT PAPERS;

1. Omusonga R. J. Modelling the effects of maintenance engineering errors in air navigational aids; Case of instrument landing systems in Kenya
<http://iiast.com/documents/MODELLING-EFFECTS-OF-MAINTENANCE-ENGINEERING-ERRORS-IN-NAVAIDS.pdf>
2. Omusonga R. J. Evaluating a nav aids fault diagnostic expert system using a faults distribution function
<http://iiast.com/documents/EVALUATING-NAVAIDS-FAULT-DIAGNOSTIC-EXPERT-SYSTEM.pdf>