

Prof. Juan Gabriel Ochoa-Aldeán – Curriculum Vitae

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Contact Address

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Current Position/Affiliations

Since 2004	Full Professor of the College of Electrical Engineering, National University of Loja.
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Professional Career

2015 - 2016	Director of the College of Electrical Engineering.
2017 - 2018	Director of the College of Electrical Engineering.

Education

2015 -	PhD in Engineering (c), Title of thesis: Mathematical model for the choice of metrics in the IEEE 802.11s HWMP (Hybrid Wireless Mesh Protocol) routing protocol, Pontifical Catholic University of Peru.
2008 - 2013	Master in Telematics; University of Cuenca, Ecuador.

1998 - 2004 Bachelor of Science, Major Electrical Engineering and Telecommunications; Army Polytechnic School, Ecuador.

Skills

A no nonsense approach to doing things

Uncovering new learning opportunities

Ready to accept new challenges

Research Experience

2015- Principal Research in “Rural Communications Group”, National University of Loja

2018- Associate Research in “Smart UNL Group”, National University of Loja

Research Interests

1. Wireless Networks.
 2. Artificial intelligence in telecommunications.
 3. Mathematical models for IEEE 802.11 networks.
 4. NS2 - NS3 simulator.
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Most Important Publications

01/2019 International Journal of Innovative Science and Modern Engineering (IJISME) at Volume-5 Issue-9 “DESIGN AND EXPERIMENTATION OF AN ENERGY DETECTOR FOR FM RADIO SIGNALS IN COGNITIVE RADIO”.

- 03/2016 International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 (Online), Volume-5 Issue-1, Page No.: 28-30, "IMPLEMENTATION OF A LONG DISTANCE RADIO LINK USING LOW-COST HARDWARE" .
- 02/2016 International Journal of Emerging Science and Engineering (IJESE) ISSN: 2319-6378, Volume-4 Issue-3, "IMPLEMENTATION OF WIRELESS SENSORS NETWORKS WSN BASED ON THE IEEE 802.15.4 (ZigBee) STANDARD IN BOTANICAL GARDENS".
- 02/2016 International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-5, Issue-3, "A METHOD FOR IDENTIFICATION OF WHITE SPACES IN THE VHF/UHF BAND FOR THE FUTURE DEPLOYMENT OF COGNITIVE RADIO NETWORKS IN THE CITY OF LOJA".
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Seminars and courses

- 11/2019 XXIII Workshop for Latin America and the Caribbean WALC 2020 "Internet of Things", Guatemala City - Guatemala.
- 07/2019 I FORUM OF MOBILE COMMUNICATIONS OF THE FIFTH GENERATION 5G AND VI SCIENTIFIC CONFERENCE OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATIONS, Loja – Ecuador.
- 05/2019 Workshop: "5G fundamentals and Technologies", online.
- 02/2019 Course-Workshop: "Introduction to Software Defined Radio using Open Source", Loja – Ecuador.
- 07/2018 Course-Workshop: "High Performance Computing with R for researchers", CEDIA, Cuenca - Ecuador.
- 08/2017 Course-Workshop: "5G Mobile Telecommunications Update Course - Towards IoT", PUCP, Lima-Peru.