

AVID ROMAN-GONZALEZ

IEEE Senior Member, Electronic Engineer from the Universidad Nacional San Antonio Abad del Cusco, Systems Engineer from the Universidad Andina del Cusco, received his Master's Degree in Industrial and Human Automatic, from the Université Paul Verlaine de Metz - France, and he received his PhD Degree in Image and Signal Processing from TELECOM ParisTech supported by the French Space Agency (CNES) and German Aerospace Center (DLR).

His work experience includes research at CNES and DLR, university teaching (UNSAAC, UAC, and UCH), performance as Engineer in: CONIDA, SPECTRUM, EGEMSA, etc. Currently, he works at Universidad Peruana Cayetano Heredia – UPCH as Research Associate.

He participates as keynote speaker and jury of projects in various academic events. He has many international published papers.

His areas of interest are: Signal and image processing, biometrics, artificial intelligence, human automation, bioengineering, industrial automatic, control, aerospace technology.



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LANGUAGES Spanish | English | French

EDUCATION 2009 – 2013 | PhD in Signal and Image Processing
TELECOM ParisTech - France

2008 – 2009 | Master in Industrial and Human Automatic
Université Paul Verlaine de Metz - France

2011 – 2013 | Master in Business Administration
Universidad Alas Peruanas – UAP - Peru

2010 – 2011 | University Degree in Astronomy and Celestial Mechanics
Observatoire de Paris – Unité Formation et Enseignement - France

2000 – 2004 | Electronic Engineer
Universidad Nacional de San Antonio Abad del Cusco – UNSAAC - Peru

2005 – 2008 | Systems Engineer
Universidad Andina del Cusco – UAC - Peru

WORK EXPERIENCE RERESEARCH ASSOCIATE | June 2014 – Currently
Universidad Peruana Cayetano Heredia – UPCH, Laboratorio de Bioinformática
✓ Artificial intelligence, signal and image processing for bioinformatics projects.

CONSULTING ENGINEER | August 2014 – October 2014
Peruvian Space Agency (CONIDA)
✓ Profile evaluation for technological transfer about Peruvian remote sensing satellite.

PROFESSOR | July 2014
Master in Software Engineering | Universidad Andina del Cusco
✓ Software Design I.

PROFESSOR | May 2014 – December 2014
Electronics Engineering Department | Universidad de Ciencias y Humanidades – UCH
✓ Thesis advisor.

ANALOG ASTRONAUT | March 2014
Mars Desert Research Station – MDRS Crew 138
✓ Simulation of exploring Mars.

STAGE OF RESEARCH | May 2013 – October 2013
 German Aerospace Center - DLR (Deutsches Zentrum für Luft-und Raumfahrt)
 ✓ Quality assessment of satellite images.

R&D ENGINEER | October 2012 – March 2013
 TELECOM ParisTech - France
 ✓ Quality assessment of satellite images.

R&D ENGINEER | October 2009 – September 2012
 French Space Agency – CNES (Centre Nationale d'Etudes Spatiales)
 ✓ Quality assessment of satellite images.

CONSULTING ENGINEER | July 2011 – November 2011
 SPECTRUM Aerospace Research Corporation
 ✓ Radiation test for EEE components.

STAGE OF RESEARCH | November 2010 – May 2011
 German Aerospace Center - DLR (Deutsches Zentrum für Luft-und Raumfahrt)
 ✓ Development of methods for image quality assessment.

PROFESSOR | May 2010 – September 2010
 Universidad Nacional San Antonio Abad del Cusco – UNSAAC - Peru
 ✓ Course: "Industrial Automation Systems" | Thesis advisor.

INTERNSHIP | March 2009 – August 2009
 Laboratoire d'Automatique Humaine et de Sciences Comportementales – LASC, UPVM - France
 ✓ Brain-Computer Interface implementation.

PROFESSOR | December 2007 – August 2008
 Universidad Nacional San Antonio Abad del Cusco – UNSAAC - Peru
 ✓ Courses: Electronic devices, digital systems, control, microcontrollers, laboratory.

CONSULTING ENGINEER | August 2007 – November 2007
 Empresa de Generación Eléctrica Machupicchu S.A. – EGEMSA - Peru
 ✓ Maintenance of the hydroelectric power station and electrical substations.

INTERNSHIP | May 2006 – November 2006
 Empresa de Generación Eléctrica Machupicchu S.A. – EGEMSA - Peru
 ✓ Maintenance of the hydroelectric power station and electrical substations.

INTERNSHIP | October 2003 – April 2004 | J.T. FABRICANTES S.R.L. - Peru
 ✓ Electronic maintenance | Installation of small hydro | Project development for TV.

INTERNSHIP | February 2004 – May 2004
 Red de Comunicaciones UNSAAC – RCU - Peru
 ✓ Project for the restructuring of the communications network.

**ADDITIONAL
 INFORMATION**

Personal References:

- Mirko ZIMIC, Universidad Peruana Cayetano Heredia – UPCH; Tel: +51 (1) 3190000 annex 2604, Email: mirko.zimic@upch.pe
- Mihai DATCU, German Aerospace Center DLR, Oberpfaffenhofen, D-82234 Wessling, Germany; Tel: + 49 8153 28 1388, Fax: + 49 8153 28 1444, Email: mihai.datcu@dlr.de
- Alain GIROS, Centre National d'Études Spatiales – CNES, Tel. +33 – 561274674, Email: alain.giros@cnes.fr.
- Guy BOURHIS, LASC, Université de Metz ISEA, 7 rue Marconi 57070 METZ France, Tel. +33 (0) 387315139, Fax +33 (0) 387547301, Web : <http://www.lasc.univ-metz.fr/>
- Eng. Luis ZEA MIRANDA, Maintenance Director at Empresa de Generacion Electrica Machupicchu S.A. – EGEMSA - Cusco - Peru, Tel. +51 - 984992015.

- Eng. Luis JIMENEZ TRONCOSO, Professor at Universidad Nacional San Antonio Abad del Cusco - UNSAAC - Peru, Tel. +51 - 984988933, Email: wl_jimenez@yahoo.com

Publications:

Book Chapter:

- "EEG Signal Processing for BCI Applications"; *Human – Computer Systems Interaction: Backgrounds and Applications 2, Advances in Intelligent and Soft Computing*, 2012; Vol. 98, Part 1; pp. 571-591, DOI : 10.1007/978-3-642-23187-2_36

Journal Paper:

- "Análisis de Imágenes Hiperespectrales", *Revista Ingeniería & Desarrollo*, Año 9, N° 35, pp. 14-17, 2013.
- "Método General para la Detección de Imágenes Alteradas Utilizando Técnicas de Compresión", *Revista ECIPeru*, vol. 10, N° 1, pp. 14-23, October 2013, ISSN: 1813-0194.
- "Implementación de Métodos de Procesamiento de Señales EEG para Aplicaciones de Comunicación y Control", *Revista ECIPeru*, vol. 10, N° 1, pp. 24-33, October 2013, ISSN: 1813-0194.
- "The SNCD as a Metric for Image Quality Assessment", *International Journal of Advanced Computer Science and Applications - IJACSA*, vol. 4, N° 7, pp. 40-47, July 2013, ISSN: 2156-5570.
- "Compression Techniques for Image Processing Tasks", *International Journal of Advanced Research in Computer Science and Software Engineering - IJARCSSE*, vol. 3, N° 7, pp. 379-388, July 2013, ISSN: 2277-128X.
- "Contenido y Calidad de las Imágenes de Observación Terrestre"; *Revista ECIPeru*, vol. 9, N° 2, pp. 15-21, March 2013; ISSN: 1813-0194.
- "ICC Como Instrumento de Comunicación para Pacientes en Estado Vegetativo"; *Revista Científica Maskay*, vol. 2, N° 1, Ecuador, pp. 68-72, October 2012, ISSN: 1390-6712.
- "Tecnología Aeroespacial en el Mundo"; *Revista Electro I+D*, vol. 1, N° 1, Peru, pp. 48-52, October 2012.
- "Clasificación de Datos Basado en Compresión"; *Revista ECIPeru*, vol. 9, N° 1, pp. 69-74, May 2012; ISSN: 1813-0194.
- "Digital Images Analysis"; *Revista ECIPeru*, vol. 9, N° 1, pp. 61-68, May 2012; ISSN: 1813-0194.
- "The Aerospace Technology Serving to the Environment"; *Revista ECIPeru*, vol. 9, N° 1, pp. 75-80, May 2012; ISSN: 1813-0194.
- "Ingeniería Innovadora y Creativa"; *Revista Ingeniería y Desarrollo del Colegio de Ingenieros del Perú – Consejo departamental Cusco*, Peru, Year 8, Edition N° 32, pp. 8-9, August 2010.
- "Elaboración de Algoritmos de Prueba para Relés de Protección", *Revista ElectroSector* # 48, Argentina, pp. 12-16, July 2010. ISSN: 1850-2679.
- "Diseño Electrónico de Relés de Protección para Minicentrales Hidroeléctricas", *Revista ElectroSector* # 40, Argentina, pp. 92-98, Nov. 2009. ISSN: 1850-2679.

Conference Proceedings:

- "The UNSAAC Activities in Aerospace Development", *65th International Astronautical Congress – IAC 2014*; Toronto – Canada; October 2014.
- "Promotion of Aerospace Technology in Bolivia", *65th International Astronautical Congress – IAC 2014*; Toronto – Canada; October 2014.
- "Image Processing by Compression: An Overview"; *World Congress on Engineering and Computer Science – WCECS 2012*; San Francisco – USA; Oct. 2012; pp. 650-654.

- “Peruvian University Consortium in the QB50 Project”; *Proceeding 12th International Conference on Space Operations – SpaceOps 2012*; Stockholm – Sweden; Id: 1275952; June 2012.
- “Satellite Image Artifacts Detection Based on Complexity Distortion”; *IEEE International Geosciences and Remote Sensing Symposium – IGARSS 2011*; Vancouver – Canada; July, 2011; pp. 1437-1440.
- “Data Cleaning: Approaches for Earth Observation Image Information Mining”; *ESA-EUSC-JRC 2011 Image Information Mining: Geospatial Intelligence from Earth Observation Conference*; Ispra – Italy; March 30 – April 1, 2011.
- “A Novel Data Compression Technique for Remote Sensing Data Mining”; *ESA-EUSC-JRC 2011 Image Information Mining: Geospatial Intelligence from Earth Observation Conference*; Ispra – Italy; March 30 – April 1, 2011.
- “Image Classification Using Data Compression Techniques”; *2010 IEEE 26th Convention of Electrical and Electronics Engineers in Israel – IEEEI 2010*; Eilat – Israel; November 2010; pp. 349-353.
- “Parameter Free Image Artifacts Detection: A Compression Based Approach”; *Proc. SPIE Remote Sensing*; vol. 7830, 783008, Toulouse, France; Sep. 2010.
- “Communication Technologies Based on Brain Activity”; *2010 World Congress in Computer Science, Computer Engineering and Applied Computing – WORLDCOMP 2010*; Las Vegas, Nevada, USA; July 2010; pp. 864-869.
- “Design and Construction of a Module for the Dynamic Excitation and Vibrational Analysis of Structures”; *IEEE R8 International Conference on Computational technologies in Electrical and Electronics Engineering – SIBIRCON 2010*; Irkutsk Listvyanka - Russia; July 2010; pp. 91-96.
- "System of Communication and Control Based on the Thought"; *IEEE International Conference on Human System Interaction – HSI'10*; Rzeszow – Poland; May. 2010; pp. 275-280. Best Paper Award.

Invited Lectures:

- “Reconocimiento de Patrones en Señales Biomedicas: Aplicaciones en BCI”; *1st Workshop on Pattern Recognition and Applied Artificial Intelligence – WRPIAA*; December 2014, Lima – Peru.
- “Técnicas Basadas en Compresión de Datos para la Discriminación de Información”; *IV Seminario Internacional de Ingeniería de Sistemas e Informática – SEINSI 2014*; November 2014, Ilo – Peru.
- “Reflector Plano en Banda X Diseñado Utilizando la Técnica de Transformaciones de Espacio”; *TELECON UNI*; November 2014, Lima – Peru.
- “Avances en ICC”; *Semana de la Facultad de Ciencias e Ingeniería de la UCP*; October 2014, Iquitos – Perú.
- “Mars Desert Research Station – Crew 138”; *Congreso Tecnológico y Científico de la Región Andina – ANDESCON*; October 2014, Cochabamba – Bolivia.
- “Métricas para la Evaluación de la Calidad en Imágenes”; *Congreso Tecnológico y Científico de la Región Andina – ANDESCON*; October 2014, Cochabamba – Bolivia.
- “Procesando Datos desde su Almacenamiento”; *V Encuentro Nacional de Estudiantes de Ingeniería de Software – ENEISOFT*; October 2014, UNMSM – Perú.
- “Gestión de Desastres Utilizando Imágenes Satelitales”; *IV Congreso Internacional de Ingeniería*; August 2014, CIP Cusco – Perú.
- “Simulación de Exploración del Planeta Marte”; *IV Congreso Internacional de Ingeniería*; August 2014, CIP Cusco – Perú.
- “Las Interfaces Cerebro-Computador”; *XXII Congreso Nacional de Estudiantes de Ingeniería de Sistemas y Computación - CONEISC 2014*; August 2014, UNT Trujillo – Perú.
- “Satélite Peruano”; *Encuentro Científico Internacional de Invierno Centro Oriente – ECI 2014i*; August 2014, Huánuco – Perú.
- “Remote Sensing Satellites”; *XXI International Congress on Electrical, Electronics and Systems Engineering - INTERCON 2014*; August 2014, UCSP Arequipa – Peru.

- “BCIs”; *XXI International Congress on Electrical, Electronics and Systems Engineering - INTERCON 2014*; August 2014, UCSP Arequipa – Peru.
- “La Industria Aeroespacial en el Perú y el Mundo”; *XXII Congreso Nacional de Estudiantes de Ingeniería Industrial - CONEII 2014*; August 2014, UNT Trujillo – Perú.
- “Analog Astronaut Mission”; *1er Congreso Boliviano de Tecnología Aeroespacial – ABC 2014 (Aerospace Bolivian Conference): Jornadas andinas del espacio*; July 2014, La Paz – Bolivia.
- “Mesa Panel: Desarrollo Aeroespacial en Latinoamérica”; *1er Congreso Boliviano de Tecnología Aeroespacial – ABC 2014 (Aerospace Bolivian Conference): Jornadas andinas del espacio*; July 2014, La Paz – Bolivia.
- “Analog Astronaut Mission: MDRS Crew 138”; *Colegio de Ingenieros del Perú – Consejo Nacional - CIP*; Lima – Peru; April 2014.
- “Compression Based Analysis of Images Artifacts: Application to Satellite Images”; *4th International Symposium on Innovation and Technology - ISIT 2013*; Cusco – Peru; November 2013.
- “Procesamiento de Imágenes Satelitales”; *XXXIII Convención de Centro América y Panamá – CONCAPAN 2013*; Guatemala City – Guatemala; November 2013.
- “Nanosatélites”; *XXXIII Convención de Centro América y Panamá – CONCAPAN 2013*; Guatemala City – Guatemala; November 2013.
- “Satélites de Teledetección”; *XXXIII Convención de Centro América y Panamá – CONCAPAN 2013*; Guatemala City – Guatemala; November 2013.
- “Procesamiento de Señales con SciQL”; *XXI Congreso Nacional de Estudiantes de Ingeniería de Sistemas y Computación – CONEISC 2013*; August 2013; Tarapoto – Peru.
- “Posibilidad de Comunicación con Personas en Estado Vegetativo Mediante una BCI”; *1er Congreso Nacional de Ingeniería Biomédica – CONIBIO*; Oruro – Bolivia; April 2013.
- “Interfaz Cerebro Computador para Comunicación con Personas en Estado Vegetativo”; *5th Bolivian Engineering and Technology Congress – BETCON 2013*; Santa Cruz – Bolivia; April 2013.
- “Sistemas de Teledetección”; *5th Bolivian Engineering and Technology Congress – BETCON 2013*; Santa Cruz – Bolivia; April 2013.
- “Mesa Panel - Satelites”; *5th Bolivian Engineering and Technology Congress – BETCON 2013*; Santa Cruz – Bolivia; April 2013.
- “Diseño de Nanosatélites”; *5th Bolivian Engineering and Technology Congress – BETCON 2013*; Santa Cruz – Bolivia; April 2013.
- “Café Científico – La Investigación Científica: Presente y Futuro”; *5th Bolivian Engineering and Technology Congress – BETCON 2013*; Santa Cruz – Bolivia; April 2013.
- “Sistemas Inteligentes”; *Congreso Regional de Estudiantes de Ingeniería de Sistemas – COREISC 2013*; Trujillo – Peru; January 2013.
- “Earth Observation Image Information Content and Quality”; *Encuentro Científico Internacional de Verano – ECI 2013v*; Lima – Peru; January 2013.
- “Análisis de Imágenes Hiperespectrales”; *Encuentro Científico Internacional de Verano – ECI 2013v*; Lima – Peru; January 2013.
- “Aerospace Technology: An International Overview”; *CONEIMERA 2012*; Huancayo – Peru; October 2012.
- “Emprendimiento: Como Lograrlo desde la Universidad”; *INFOSOFT 2012*; Lima – Peru; August 2012.
- “Procesamiento de Señales Usando Gestores de Bases de Datos”; *XIX International Congress on Electrical, Electronics and Systems Engineering – INTERCON 2012*; Lima – Peru; August 2012.
- “Detección de Artefactos en Imágenes Satelitales Ópticas”; *Encuentro Científico Internacional 2012 de invierno – ECI2012i*; Lima – Perú; July - August 2012.

- “Métodos de Procesamiento de Señales EEG para Aplicaciones BCI”; *Encuentro Científico Internacional 2012 de invierno – ECI2012i*; Lima – Perú; July - August 2012.
- “Mercado de la Industria Aeroespacial”; *II WorkShop Proyecto QB50 en el Peru*; Puno – Peru; July 2012.
- “Procesamiento de Imágenes Hiperespectrales y sus Aplicaciones”; *4th Bolivian Engineering and Technology Congress – BETCON 2012*; La Paz – Bolivia; July 2012.
- “Procesamiento de Imágenes Usando Compresión de Datos”; *4th Bolivian Engineering and Technology Congress – BETCON 2012*; La Paz – Bolivia; July 2012.
- “Las TICs y el Desarrollo Durable”; *4th Bolivian Engineering and Technology Congress – BETCON 2012*; La Paz – Bolivia; July 2012.
- “Detección de Imágenes Falsificadas”; *7mo Congreso de Ciencia y Tecnología – ESPE 2012*; Quito – Ecuador; June 2012.
- “Tecnología Aeroespacial al Servicio del Ambiente”; *II Conferencia sobre Educación, Ciencia y Tecnología*; Paris – France; March 2012.
- “Desarrollo Aeroespacial en el Perú”; *Encuentro Científico Internacional 2012 de verano – ECI2012v*; Lima – Perú; January 2012.
- “Detección de Imágenes Alteradas”; *Encuentro Científico Internacional 2012 de verano – ECI2012v*; Lima – Perú; January, 2012.
- “La Compresión de Datos como Método de Clasificación”; *Encuentro Científico Internacional 2012 de verano – ECI2012v*; Lima – Perú; January 2012.
- “Automatic Detection of Structured Elements in Meter Resolution Optical Images”; *11e Edition-Journées Jeunes Chercheurs CNES – JC2 2011*; October 2011; Toulouse – France.
- “Automatización Humana”; *III Congreso Internacional de Ingeniería*; Cusco – Perú; August 2011.
- “Inteligencia Artificial”; *III Congreso Internacional de Ingeniería*; Cusco – Perú; August 2011.
- “Procesamiento de Imágenes con Matlab”; *XIX Congreso Nacional de Estudiantes de Ingeniería de Sistemas y Computación – CONEISC 2011*; Huancayo – Perú; Aug. 2011.
- “Las Imágenes Satelitales y sus Aplicaciones”; *XIX Congreso Nacional de Estudiantes de Ingeniería de Sistemas y Computación – CONEISC*; Huancayo – Perú; August 2011.
- “Procesamiento de Señales EEG para Aplicaciones de Comunicación y Control Basado en el Pensamiento Utilizando Matlab”; *XVIII International Congress on Electrical, Electronics and Systems Engineering – INTERCON 2011*; Lima – Perú; August 2011.
- “Análisis de Imágenes Digitales”; *XVIII International Congress on Electrical, Electronics and Systems Engineering – INTERCON 2011*; Lima – Perú; August 2011.
- “La Teledetección”; *I Congreso Europeo de Ingenieros Peruanos – I CEIP 2011*; Madrid – Spain; June 2011.
- “La Tecnología Aeroespacial: Situación del Perú”; *V Semana Electrónica*; Cusco – Perú; June 2011.
- “Investigación: Oportunidad de Desarrollo”; *XIII Congreso Nacional de Computación, Informática y Sistemas – CONACIS 2010*; Peru; October 2010.
- “Metodos de Clasificación de Datos Usando Tecnicas de Compresión”; *XVII Aniversario de Ingeniería de Sistemas en la Universidad Andina del Cusco*; October 2010; Cusco – Peru.
- “Impact of Model Order and Estimation Window for Indexing TerraSAR-X Images Using Gauss Markov Random Fields”; *SPIE Europe Remote Sensing*; September 2010; Toulouse – France.
- “Inteligencia Artificial con Ejercicios Prácticos de Redes Neuronales, Lógica Difusa y Algoritmos Genéticos en Matlab”; *XVII International Congress on Electrical, Electronics and Systems Engineering – INTERCON 2010*; Puno – Perú; August 2010.

- “Similaridad Métrica Basada en la Teoría de Complejidad de Kolmogorov”; *XVII International Congress on Electrical, Electronics and Systems Engineering – INTERCON 2010*; Puno – Perú; August 2010.
- “Tecnologías de Comunicación Basadas en la Actividad Cerebral”; *XVII International Congress on Electrical, Electronics and Systems Engineering – INTERCON 2010*; Puno – Perú; August 2010.
- “Parameter Free Artifacts Detection”; *PhD Student CNES – DLR Seminar 2010*; May 2010; DLR Munich – Germany.
- “Implementación de una Interface Cerebro Computador”; *XVI Congreso Internacional de Ingeniería Eléctrica, electrónica y Sistemas – INTERCON 2009*; Arequipa – Perú; August 2009.
- “Sistema de Comunicación y Control Basado en el Pensamiento”; *Encuentro Científico Internacional 2009 de invierno – ECI2009i*; August 2009; Lima – Peru.
- “Elaboración de Algoritmos de Prueba para Relés de Protección”; *XVI Congreso Nacional de Estudiantes de Ingeniería de Sistemas – CONEIS 2008*; August 2008; Lima – Peru.
- “Análisis Vibracional en Estructuras”; *XVI Congreso Nacional de Estudiantes de Ingeniería de Sistemas – CONEIS 2008*; Lima – Perú; August 2008.
- “Biometría Aplicada a la Seguridad”; *II Semana Electrónica*; Cusco – Perú; May 2007.
- “Programación de Rutinas de Prueba para Relés de Protección”; *II Semana Electrónica*; Cusco – Perú; May 2007.
- “Redes Neuronales”; *I Semana Electrónica*; Cusco – Perú; March 2006.
- “Introducción a Linux”; *I Semana Electrónica*; March 2006; Cusco – Peru.

Collaboration at Events:

- ORGANIZER | Aerospace Bolivian Conference – ABC
- ORGANIZER | Congreso de Cuencas Andinas y Cambio Climático
- ORGANIZER | V Evento de Ingeniería de Sistemas - Universidad Andina del Cusco
- REVIEWER | International Conference on Engineering & Computational Innovation Sciences - ENCINS
- REVIEWER | International Instrumentation and Measurement Technology Conference – I2MTC
- REVIEWER | Congreso Argentino de Ingeniería - CADI
- REVIEWER | Congreso Argentino de Enseñanza de la Ingeniería - CAEDI
- REVIEWER | International Conference on Computer Vision & Image Analysis - ICCVIA
- REVIEWER | International Conference on Control Automation & Applied Mechanics - ICCAAM
- REVIEWER | Congreso Internacional sobre Innovación y Desarrollo Tecnológico - CIINDET
- REVIEWER | International Conference on Advanced Micro and Nanocomposite for Engineering - ICNC
- REVIEWER | International Symposium on Innovation and Technology - ISIT
- REVIEWER | IEEE International Conference on Clean Energy & Technologies - CEAT
- REVIEWER | IEEE Business, Engineering & Industrial Applications Colloquium – BEIAC
- REVIEWER | IEEE Colloquium on Humanities, Science and Engineering - CHUSER
- REVIEWER | Congreso de Telecomunicaciones – TELCON - UNI
- REVIEWER | IEEE Transaction on Instrumentation and Measurement
- REVIEWER | IEEE International Conference on Electronics Design, Systems and Applications – ICEDSA
- REVIEWER | IEEE Conference on Control, Systems & Industrial Informatics – ICCSII
- REVIEWER | IEEE International Power and Energy Conference – PECON
- REVIEWER | IEEE Symposium on Business, Engineering & Industrial Applications – ISBEIA
- REVIEWER | IEEE Symposium on Industrial Electronics and Applications
- REVIEWER | IEEE Andean Congress – IEEE ANDESCON

- REVIEWER | International Congress on Electrical, Electronics and Systems Engineering – INTERCON
- REVIEWER | Congreso Nacional de Estudiantes de Ingeniería de Sistemas y Computación – CONEISC
- JURY | Concurso de Eficiencia Energética – UNI – ABB
- JURY | Congreso de Ciencia y Tecnología – ESPE
- JURY | Congreso Internacional de Ingeniería Eléctrica, Electrónica y Sistemas – INTERCON
- JURY | Feria Nacional de Ciencia y Tecnología
- KEYNOTE SPEAKER | I CICLO DE ORIENTACION VOCACIONAL de la Ciudad de Pitumarca.

Awards:

- “Visiting Professor”; Universidad Científica del Perú – UCP; Peru, October 2014.
- “Doctor Honoris Causa”; Universidad Nacional Hermilio Valdizan – UNHEVAL; Peru, August 2014.
- “Congratulation”; Recognition for organizing the 1th Aerospace Bolivian Conference; Bolivia, August 2014; France Embassy in Bolivia.
- “Distinguished Graduate”; Peru, May 2014 – Universidad Andina del Cusco
- "Medal of the City" and "Illustrious Son of the Province Canchis"; Peru, July 2012.
- REIP Best Engineer 2011, for "Engineer Ambassador" awarded by the European Network of Peruvian Engineers – REIP; June 2011.
- Best Paper Award In IEEE International Conference on Human System Interaction – HIS 2010, Rzeszow – Poland; May 2010.
- Resolution No. 366-2007-DFI-UAC, Recognition and Congratulations for the Research Work about "Design and Construction of an Electronic Module for Dynamic Excitation and Vibration Analysis of Structures "; November 2007.
- Directorial Resolution No. 1119, Congratulation for the efficient and extraordinary work as Jury in the XIV School Fair of Science and Technology; December 2004.

Membership:

- National Point of Contact (NPoC) of Peru for the Space Generation Advisory Council – SGAC.
- Senior Member of the Institute of Electrical and Electronics Engineers – IEEE | # 90563079.
- Advisor of the Robotics, Control and Automation Research Center – CIRCAE.
- Member of the European Network of Peruvian Engineers – REIP | France Section
- Member of the International Network of Science and Technology – Peru

Another Activities:

- Radio Program about Science and Technology.
- Playing flute, panpipe, etc.