



Andrea Carrion Herrera <andreakch@ieee.org>

IEEE ComSoc Latin America Newsletter - May 2020

1 mensaje

Andrea Carrion Herrera <a.k.carrionherrera@ieee.org>
Para: COMSOCLAMEMB@comsoc.org

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**Dear IEEE ComSoc LA members:**

In the last two months, many of us have adapted to a new reality working from home, and as IEEE members and volunteers it has not been the exception, many webinars have been held to keep us in touch and continue to approach every day with a wish unwavering in preparing for challenges.

In this edition we invite you to see a summary of what has been developed in the ComSoc LA technical activities committee.

On May 17, the world day of telecommunications and the information society was celebrated, and the ComSoc chapter of Peru and Ecuador developed events with great impact at national and international level, in a short summary they tell us the results of their events. In addition, we want to make our outstanding members visible, such as Fellow Member and Senior Member that's why we share his career.

From our Communications Society, we feel that although we can be separated, in many ways, this crisis has brought us closer and will continue to bring us closer with the events that are planned.

*At the end is the June calendar of events, please click "see full message".

IEEE ComSoc LA Events

Technical Activities for COMSOC LA before and after the great confinement

This year of 2020, Technical Activities Committee began at Universidad Autónoma de la Ciudad de Mexico (UACM), at Mexico City.



Figure 1. Attendees to keynote talks at UACM on February 7.

Our second activity was developed at Universidad Veracruzana (UV), Veracruz, Mexico, offering Keynote talks and a workshop related to best practices for future scientists for TIC students and teachers.



Figure 2. Attendees to keynote talks at UV on March 13.

Then the great confinement came, so the Technical Activities Committee moved to online WEBINARS and SEMINARS, where professional chapters contribute proposing speakers. In April and May we had offered to COMSOC LATAM members four talks as indicated at table 1. Our attendee range is 32-150.

Date	COMSOC UNIT	Talk Title speaker / WEBINAR/ SEMINAR
#1 April 24	COMSOC Latam-TAC	"Advanced and Interplanetary Networks", Ignacio Castillo
#2 May 8	Colombia Chapter	"Data is the answer", Christian Urcuquí
#3 May 15	Peru Chapter	"5G Systems", Alessandro Defilippi
#4 May 22	Colombia Chapter	"6G Systems", Andres Navarro
#5 May 29	Bolivia Chapter	"Decoding Python", Rafael Mendoza

Table 1. COMSOC LATAM TALKS

Next month we will offer three WEBINARS and one WEB SEMINAR "IoT and PON Networks" (Bolivia), "Telecommunications impact over agriculture sector" (Ecuador), "Potential of Data over AI for engineering" (Brazil) and "IoT challenges for blockchain technologies" (Uruguay).

In the same direction WEBINAR/SEMINAR authors are invited to offer free their books to COMSOC LATAM members. Till today, two books are available on our website <https://la.regions.comsoc.org/> but also our recorded webinars.

José Ignacio Castillo Velázquez

Technical Activities Committee

IEEE COMSOC Latin America



Figure 1. Nury Ramirez, Esmeralda Asurza and Gidy Florez

Meet Up ComSoc Latin America

By Esmeralda Asurza

Our last ComSoc Latam activity before the confinement was held on Wednesday, March 11, it was our first ComSoc Meet Up organized by the IEEE ComSoc Peru Chapter and with the support of 3 Board members, this activity was held at the facilities of the Peruvian University of Applied Sciences (UPC), in the city of Lima.

The following topics were discussed:

- 1. Technical Talk:** Metamaterials and their applications in the Telecommunications Industry, presented by Gidy Florez, researcher at the Brazilian Center for Physical Research, at PUC-Rio, Brazil.
- 2. Young professionals and Student chapters:** Success stories and news in the region. With the participation of our ComSoc Regional Director, Nury Ramirez; and Gidy Florez, as coordinator of ComSoc student activities.
- 3. WICE:** Global context and initiative in Peru. In this section, Esmeralda Asurza, Vice President of the ComSoc Peru Chapter, and Secretary of the ComSoc Latin America Board spoke about the group of Women in Communications Engineering (WICE), whose mission is to promote the visibility and roles of women communications engineers and provide a place for your professional growth.

Finally a dynamics was carried out with the attendees via the Kahoot application where attendees were rewarded with greater success in the Q&A with content of the talks made. And at the end of the activity a networking session among the attendees.

Webinars for World Telecommunication and Information Society Day



By Fredy Campos, IEEE ComSoc Peru Chair.

The IEEE ComSoc Peru Chapter organized the series of webinars to celebrate World Telecommunication Day, from May 13 to 16. Two daily conferences were held, with an academic focus and an industry focus.

1. Cloud – IoT: Standards and Technologies for Smart Cities
2. IoT en la salud y la importancia de las telecomunicaciones
3. Intelligent Software Defined Networking and Security
4. Desafíos de la Ciberseguridad en tiempos de Covid-19
5. Misbehavior Detection in 5G Based Vehicular Communication Networks
6. 5G SA: Consideraciones para el planeamiento y despliegue
7. Challenges for 5G new radio transport in the MAN
8. Nuevos Modelos de Negocios en Tecnología Satelital



Figure 1. Series of webinars to celebrate World Telecommunication Day

There were 4 days of high-level conferences and interaction with chapter members, so this year we expect a notable increase in chapter membership since in March we had 106 members and currently we have 140 members with a projection to continue growing. We also hope that more student members will get involved in the chapter by taking advantage of the \$ 1 membership promotion.

The work team was satisfied with the achievements as IEEE members and the general public participated at the national and international level.

Telecom 2020, Celebrating the World Telecommunication and Information Society Day



By Román Lara, IEEE ComSoc Ecuador Chair.

IEEE ComSoc Ecuador Chapter decided to join efforts with IEEE ComSoc Student Chapters, to have a dedicated week in celebration of the World Telecommunication and Information Society Day. Telecom was organized in coordination with ComSoc Student Chapters of Universidad Técnica Particular de Loja- UTPL, Universidad Politécnica Salesiana - UPS, Universidad Técnica del Norte - UTN, Escuela Superior Politécnica del Litoral - ESPOL, Universidad de las Fuerzas Armadas – ESPE, and the participation of IEEE Young Professionals R9.



Figure 1. ComSoc Ecuador Team

The COVID-19 has induced social distancing, quarantine, and isolation, but in the same way has allowed to consolidate Telework, E-commerce, Telemedicine, and of course E-learning. A total of 17 researchers participated with talks related to 5G, optical networks, IoT among others. Telecom was divided in five days from 18th to 22th May, and scheduled in order to give the major participation of all ComSoc Student Chapters.

- **Some statistics of Telecom**

Telecom exceeds our expectations; We have 630 registered people, belonging to 15 different countries, where Ecuador contributes 82.7% of the audience. In the institutions chart, we have a record of 100 different institutions; The largest number of attendees belongs to the academy. The universities in Ecuador that have had the most attendees to the event are UTN with 33%, ESPE with 13.5% and UTPL with 12.4%. Regarding membership attendance statistics, 30% of the audience are IEEE members, 47% are not IEEE members, and 22% are interested in joining IEEE ComSoc.



Figure 1. Audience's main countries

These statistics motivate us to continue our work and we take advantage of this space to thank the volunteers who collaborated with the organization of this event, the speakers who dedicated their time to share their knowledge and all the attendees!

IEEE ComSoc LA Membership

Fellow members

IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary achievements in any of IEEE's fields of interest are considered adequate for this prestigious

degree elevation.

At ComSoc LA we are proud to have a fellow member and we want to share his story.

Eng. Joel Rodrigues, Ph.D.



Brazil

PhD. Roddrigues is a professor at the Federal University of Piauí (UFPI), Brazil; senior researcher at the Instituto de Telecomunicações, Portugal; and collaborator of the Post-Graduation Program on Teleinformatics Engineering at the Federal University of Ceará (UFC), Brazil. He has been professor at the National Institute of Telecommunications, Brazil; University of Beira Interior (UBI), Portugal and visiting professor at the University of Fortaleza (UNIFOR), Brazil.



He received the Academic Title of Aggregated Professor in informatics engineering from UBI, the Habilitation in computer science and engineering from the University of Haute Alsace, France, a PhD degree in informatics engineering and an MSc degree from the UBI, and a five-year BSc degree (licentiate) in informatics engineering from the University of Coimbra, Portugal. His main research interests include IoT and sensor networks, e-health technologies, vehicular communications, and mobile and ubiquitous computing.

Prof. Rodrigues has authored or coauthored over 900 papers in refereed international journals and conferences, 3 books, 2 patents, and 1 ITU-T Recommendation. He had been awarded several Outstanding Leadership and Outstanding Service Awards by IEEE Communications Society and several best papers awards. Prof. Rodrigues is a licensed professional engineer (as senior member), member of the Internet Society, a senior member of ACM, and an IEEE Fellow.

[CV Prof. Rodrigues](#)

Senior Members

Senior membership is the highest grade for which IEEE members can apply.

At ComSoc LA we have 144 Senior Members and this month we want to share with you the biography of 4 senior members who have stood out in their sections and in the region. The Communications Society congratulates his successful career!

Eng. Esteban Inga, Ph.D.



Ecuador

Esteban Inga in 2002 graduated as an Electronic Engineer at the Universidad Politécnica Salesiana Cuenca, in 2008, he received his Master's Degree in Education and Social Development from the Equinoccial Technological University-Quito / Ecuador, at the beginning of 2017 he received his degree of Master in Engineering from the Universidad Pontificia Bolivariana de Medellín - Colombia. In March 2018, he obtained his PhD degree from the Universidad Pontificia Bolivariana de Medellín - Colombia with honorable mention: Magna Cum Laude awarded when the thesis exceeds the expectations of what was proposed in the project, by unanimous opinion of the juries, and demonstrates scientific production.



Esteban Inga is a Level 1 Senior Lecturer and researcher at the Universidad Politécnica Salesiana - Quito, with more than 17 years of experience in university teaching. Currently, he is the coordinator of the dual training technology program, Quito, he is coordinator of the research group on smart electrical networks (GIREI) of the Universidad Politécnica Salesiana at Quito, coordinator of the postgraduate program "Master in Electricity mentioning Electrical Systems of Power", mentor and coordinator 2019-2022 of the "red-IUS in electricity networks and smart cities (RECI)", is an active member of IEEE (ComSoc and PES) and researcher accredited by Senescyt.

Regarding scientific publications, it has generated more than 35 Scopus / Isi Web of Science articles and more than 20 articles in other indexations; He has coordinated and directed more than 6 research projects, his number of citations in scholar google exceeds 600 citations. He has directed doctoral and master's theses in Italy, Colombia, Chile and Ecuador, he has directed more than 20 graduate theses within the Universidad Politécnica Salesiana and has served as a reviewer for high-impact publications such as Elsevier, IEEE, Springer, MDPI.

Eng. Gabriela Garay, Msc.



Honduras

Gabriela Garay is an Industrial Electrical Engineer from UNAH. She received a Master's in Computer Science obtained in 2008 at the University of Vermont, Vermont, USA through a Fulbright Scholarship and a Master's in Economics and Finance (Summa Cum Laude) obtained in 2016 at the Catholic University of Honduras.



She was a university professor for more than 10 years in the Computer Systems Area.

She has worked on issues of Rural Electrification and Data Networks. She is an expert in LEGO MINDSTORM EV3 robots and has designed 2 Robotics projects that have received funding from the United States Department of State. With one of the projects, called ROBOTING MY WORLD, generating the First Robotics and Art Workshop in Honduras.

She has been an active volunteer for IEEE Honduras for 24 years and has held various leadership positions both locally and at the CAPANA Council and at the Region 9 level. Currently, she is the President of the Honduras Section and of the Communications, Computing and Robotics Chapter. He founded the latter in 2018.

Eng. Miguel Alemán.



Bolivia

Miguel Aleman has training in electronic engineering specialized in telecommunications with an emphasis on access and transport technologies for mobile networks, from design to optimization. He received training in senior management and project administration, endorsed by memberships in internationally renowned associations.



Miguel Aleman is an expert telecommunications consultant with extensive knowledge and experience in cell phone, project management and coaching that he has developed in more than 20 years of professional career. His career at IEEE began when he was a member in 1998 and a year later he served as president of the IEEE-UMSA student branch. He is currently a volunteer on the IEEE-Bolivia Nominations Committee.

He describes himself as passionate about telecommunications who shares his knowledge by teaching.

Eng. Edwin Collado, Ph.D.



Panamá

Edwin Collado is an Electronic and Telecommunication Engineer graduated in 2009 from the Universidad Tecnológica de Panamá (UTP). In 2012, he obtained his Master's degree in Electrical Engineering from Texas A&M University, working on Cognitive Radio

Networks. Later in 2016, he received his Doctorate's degree in Electrical Engineering from Texas A&M University, where he developed his thesis on Profit Maximization Problem for Electric Vehicle Charging in Smart Grids.



Currently Dr. Collado works as a researcher and professor at the Universidad Tecnológica de Panamá, with more than five years of experience. He coordinates with other colleagues the research group in Telecommunications Engineering and Intelligent Systems Applied to Society (ITSIAS), where he works on a variety of research and development projects. Specifically, his areas of interest are telecommunications networks (IoT, sensor network, wireless networks, among others), systems modeling and optimization, automation and control systems, embedded systems, probability and random processes. His work as a researcher has led him to form part of distinguished science and engineering groups in Panama, such as the National Research System (SNI) of Panama and the Panamanian Association for the Advancement of Science (APANAC). In addition, he has received numerous distinctions, including the award as the UTP researcher with the largest number of publications in 2017 and the award for the most innovative solution for the agro-industrial sector in 2017.

IEEE members can self-nominate or be nominated for the Senior Member degree.

[Review full requirements for senior members](#)

IEEE ComSoc LA Contest

IEEE ComSoc Article Contest

Submit an article from the event you have held as a Section Chapter or student branch and participate in the ComSoc LA Contest.

Awards:

- 1st place: 1 coupon of \$50 for continuing education courses of your choice on the IEEE Learning Network.
- 2nd place: 1 coupon of \$25 for continuing



education courses of your choice on the IEEE Learning Network.

Apply: send your article in the following form: [Send here](#)

[Terms & Conditions \(in Spanish\)](#)

Remember that the contest closes on June 1, 2020

Upcoming Events

Due to the situation of COVID19, this year the Conferences will be virtual, but it is a great opportunity for more people to participate in these events with great re-relevance in Latin America and worldwide.

Check the new dates!

- **COLCOM:** Cali, Colombia. August 7 to 8, 2020
- **INTERCON:** Lima, Perú. September 3 to 5th, 2020
- **ANDESCON:** Quito, Ecuador. Oct 13 to 16, 2020

Disclaimer: Due to the outbreak of the COVID-19 pandemic, dates and details of conferences will can changes. The situation is changing very quickly. Please consult the conference web pages frequently to obtain latest information

ComSoc LA events calendar - June 2020

IEEE ComSoc Article Contest.

June 1

Deadline for Submission For apply: send your article through the form in the link.

[Find out more »](#)

SACVLC 2020

June 4 - June 5

The 2nd South American Colloquium on Visible Light Communications (SACVLC) will be held.

[Find out more »](#)

“IoT y Redes PON, una oportunidad tecnológica en el presente y futuro”

June 5, 7:00 pm - 8:30 pm (GMT-4)

We will talk about the impact and growth of IoT and how current and future PON networks can help access and transport the traffic generated by this people-centered technology.

Lecturer: MSc. Mauricio H. Aliaga Villacorta

[Find out more »](#)

Webinar: “Impacto de las telecomunicaciones en el sector agropecuario”

June 12, 5:00 pm - 6:30 pm (GMT-5)

The most relevant advances and applications of ICT in the global agricultural sector for the optimization of agricultural production are presented, such as IoT, IA and Big Data to integrate industry 4.0.

Lecturer: PhD. Mónica Huerta

[Find out more »](#)

Webinar: “What is the Potential of Data Science and Artificial Intelligence for Engineering?”

June 19 @ 8:00 am - 9:00 am (GMT-4)

With the fourth industrial revolution, the problems present in the market and in the industry have become increasingly complex and interdisciplinary, often requiring professionals who have, besides a solid technical background, the ability to deal with real-world problems using modern tools.

[Find out more »](#)

Webinar: “Desafíos IoT para tecnologías Blockchain”

June 26, 6:00 pm - 8:00 pm (GMT-5)

IoT solutions present technological challenges for Blockchain solutions. The fundamentals of Blockchain in general and Tangle IOTA (DAC) specific to IoT will be presented, with foundations of more specific technological qualification.

[Find out more »](#)

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**Contact us:**

To contact the members of the ComSoc LA Board write to us at: comsoc.latam@comsoc.org.

The Communications Society eNewsletter is managed by Andrea Carrion; if you have technical articles, awards received by ComSoc members, Chapter activities news in the sections, upcoming events, etc., please send it to a.k.carrionherrera@ieee.org for inclusion in next ComSoc eNewsletter.