

# **Peru Chapter**

# **IEEE ComSoc Latin America Region**

## **Regional Chapter Chair Congress 2019**

## **Salvador, Brazil**

**Fredy Campos**

Chapter Chair

*[f.campos@ieee.org](mailto:f.campos@ieee.org)*

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# About ComSoc Peru

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## • Chapter Board



**Chair**  
**Fredy Campos**



**Vice Chair**  
**Esmeralda Asurza**



**Secretary**  
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**Jose Huarcaya**



**Technical Activities  
Committee**  
**Gonzalo Fernandez**



**Industry & Government  
Activities Committee**  
**Carlos Valdez**

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# Work Done (1)

## • Lectures

- ♦ Optical Fiber OM5 and its impact to Datacenter design, CTIC UNI, Lima.
  - Sponsored by CommScope Peru, March.
- ♦ Digital evolution on internetworking and the new networked professional, CTIC UNI, Lima.
  - Sponsored by Cisco Systems. Virtual extension using Webex, April.



# Work Done (1)





# Work Done (2)

## • Lectures

- ◆ xPON Access Networks: Evolution & Applications, Univ. Catolica San Pablo, Arequipa
  - Virtual extension using Webinar, June
- ◆ Digital transformation, Cybersecurity & Industrial Application, CTIC UNI, Lima.
  - Sponsored by Innovants & Securances. Virtual extension using Webex, July



# Work Done (2)

## Webinar:

## Redes de acceso XPON: Evolución y Aplicaciones

### Fecha:

31 de Mayo del 2019

### Hora:

20:00 hrs (UTC-5)

### Registro en el enlace:

[bit.ly/2WpDS7w](http://bit.ly/2WpDS7w)

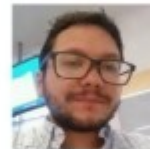
Se les enviará un correo con la aprobación de registro y el enlace de la videoconferencia.

**INGRESO LIBRE**

PARA MIEMBROS IEEE COMSOC PERU

El Capítulo de la Sociedad de Comunicaciones del IEEE Sección Perú los invita a participar a la Charla Técnica del mes vía web: "Redes de acceso XPON: Evolución y Aplicaciones"

**Expositor:** Jaime Felipe Vela Moscoso



Ingeniero de Telecomunicaciones por la Universidad Católica San Pablo, con un Master en Ingeniería de Telecomunicaciones por la Universidad de Melbourne, Australia.

Actualmente es Gerente de Redes en Misticom, y Docente en la Universidad Católica San Pablo. Experiencia en redes de transmisión en Bitel, también como mentor en emprendimiento JAKU UNSA.

### Sobre la charla:

El Internet ha cambiado mucho desde que sus inicios y con él sus requerimientos. Las nuevas aplicaciones y modos de uso demandan cada vez más ancho de banda planteando un reto para los operadores y las redes de acceso. En esta sesión se presentará un análisis de las redes de acceso actuales y una visión macro de las redes XPON como tendencia hacia el futuro.

Se tratarán los siguientes temas:

- Requerimientos de ancho de banda
- Comparativa tecnologías de acceso.
- Arquitecturas de FTTH
- Topología
- Diseño de redes PON
- Instalación planta externa
- Evolución: WDM PON

# Work Done (3)

- Lectures
  - ♦ IPv6 benefits for IoT, Webinar
    - Sponsored by IPv6 Forum, October

## Webinar:

### Beneficios de IPv6 para Internet de las cosas (IoT)

#### Fecha:

Miércoles, 23 de Octubre  
del 2019

#### Hora:

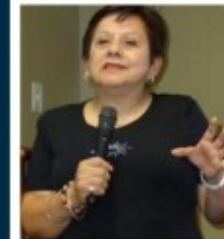
15.00 hrs (GMT-5)

#### Registro en el enlace:

<https://bit.ly/32a5a18>

El Grupo de Afinidad Mujeres en Ingeniería y el Capítulo de Comunicaciones de la Sección Perú del IEEE los invita a participar en el webinar: Beneficios de IPv6 para Internet de las cosas (IoT).

Expositora: Rosa M. Delgado



Estudió Ingeniería Eléctrica en la Universidad Nacional de Ingeniería (UNI) en Perú. Tiene una maestría en Comunicaciones y Estrategias de Negocio en la Universidad de Ginebra.

Actualmente es presidenta del Foro IPv6 de Perú, trabajando con agencias gubernamentales para asegurar que el IPv6, IoT y ciudades inteligentes sean tomados en consideración en los planes de gobierno y Sector Privado.

Cuenta con membresía senior IEEE, Sociedad de Comunicaciones (ComSoc) y actualmente es VicePresidenta del grupo de Afinidad Mujeres en Ingeniería (WIE) del IEEE Sección Suiza.

#### Acerca de la charla:

La dirección IP identifica a los dispositivos y los habilita para conectarse a Internet y la transferencia de datos. Debido a que las direcciones en IPv4 se están agotando por la gran cantidad de dispositivos inteligentes que se conecta cada día a la red, es necesaria la migración a IPv6. Sin embargo, el desafío al que se enfrentan las empresas es hacer que los dispositivos IPv4 e IPv6 se comuniquen entre sí y correctamente.



# Work Done (4)

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- Distinguished Lecturer 1



**Dijiang Huang (May 3-4, 2019)**  
**Arizona State University, USA**

**Lecture Topics**

- Moving Target Defense
- Distributed Access Control and Privacy Protection in Blockchain

**Cities**

- Lima & Arequipa
-



# Work Done (4)

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- Distinguished Lecturer 1



# Work Done (4)

## • Distinguished Lecturer 1



# Work Done (4)

## • Distinguished Lecturer 1





- Distinguished Lecturer 2



**Joel Rodrigues (Sep 2-3, 2019)**  
**INATEL, Brazil**

**Lecture Topics**

- Challenges and Perspectives for IoT
- Health Technologies with Mobility Support

**Cities**

- Lima & Cuzco
-



# Work Done (5)

## • Distinguished Lecturer 2



# Work Done (5)

## • Distinguished Lecturer 2





# Work Done (6)

- Workshop for YP & Student ComSoc
  - ◆ Colocated with Intercon 2019



# Conferences (1)

## • INTERCON 2019

- ◆ Support with academic and industrial activities related to ComSoc





- INTERCON 2019

- ◆ International Tech Talk
  - Digital TV and Broadcast by Jose David Cely
  - Internet and Advanced Networks by Ignacio Castillo
- ◆ Round Table: “New Regulation in Telecommunications a Technological Point of View”
  - Inclusion of academia (University & research), government (Ministry of Transportation and Communications) and industry (Service providers)

# Conferences (3)

## • INTERCON 2019



# Conferences (4)

- SCLA 2019 (1st Sustainable Cities Latinamerica Conference)
  - ◆ Participation as Technical Committee Program
  - ◆ Venue: Arequipa, National University of San Agustin, August 26-29
  - ◆ 60 submissions, 27 accepted papers.

The screenshot shows the website for SCLA 2019 (1st Sustainable Cities Latinamerica Conference). The browser address bar displays <https://iot-scla.com/en/pages/callforpapers>. The website header includes the SCLA logo (Sustainable Cities Latin America) and navigation links: HOME, CONFERENCES, CALL FOR PAPERS, HACKATHON, COMMITTEE, SPONSORS, LOG IN, and SIGN UP. There are also language options for Español and English. The main banner features a green-tinted image of a city street. On the left, it displays the IEEE logo and 'IEEE Peru Section' as the 'Technical Sponsor'. On the right, it displays the IEEE ComSoc logo and 'IEEE Communications Society Perú Chapter' as the 'Technical Co-Sponsor'. Below the banner, the section is titled 'Call for papers Committee:'. The committee members listed are: Conference Chair: Milagros Zegarra Mejia, [mzegarra@unsa.edu.pe](mailto:mzegarra@unsa.edu.pe); Conference Co-Chair: César Gallegos Chávez, [cgallegos@ieee.org](mailto:cgallegos@ieee.org); Technical Program Chair: Jorge R. Beingolea Garay, [j.r.beingoleagaray@ieee.org](mailto:j.r.beingoleagaray@ieee.org); Publication Chair: Esmeralda Asurza Espiritu, [esmeralda.asurza@ieee.org](mailto:esmeralda.asurza@ieee.org); Conference Treasurer: Fredy Campos Aguado, [f.campos@ieee.org](mailto:f.campos@ieee.org); and Information Contact: José Durán Talledo, [joseduran@ieee.org](mailto:joseduran@ieee.org).

**SCLA** | Sustainable Cities Latin America

HOME CONFERENCES CALL FOR PAPERS HACKATHON COMMITTEE SPONSORS LOG IN SIGN UP Español English

**IEEE**  
IEEE Peru Section  
Technical Sponsor

**IEEE ComSoc™**  
IEEE Communications Society  
Perú Chapter  
Technical Co-Sponsor

**Call for papers Committee:**

Conference Chair: Milagros Zegarra Mejia, [mzegarra@unsa.edu.pe](mailto:mzegarra@unsa.edu.pe)  
Conference Co-Chair: César Gallegos Chávez, [cgallegos@ieee.org](mailto:cgallegos@ieee.org)  
Technical Program Chair: Jorge R. Beingolea Garay, [j.r.beingoleagaray@ieee.org](mailto:j.r.beingoleagaray@ieee.org)  
Publication Chair: Esmeralda Asurza Espiritu, [esmeralda.asurza@ieee.org](mailto:esmeralda.asurza@ieee.org)  
Conference Treasurer: Fredy Campos Aguado, [f.campos@ieee.org](mailto:f.campos@ieee.org)  
Information Contact: José Durán Talledo, [joseduran@ieee.org](mailto:joseduran@ieee.org)



# Conferences (5)

- SCLA 2019 (1st Sustainable Cities Latinamerica Conference)





# 2019 Accomplishments (1)

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## • Lectures

- ♦ At least 4 lectures, 2 by semester
    - We exceeded 1 lecture (5 in total)
  - ♦ 2 Distinguished Lecturer
    - 2 topics by DL
    - 2 cities by DL
  - ♦ Use of Webex in order to spread the lecture coverages
    - Registry with validation by tool manager
  - ♦ Inclusion of surveys for all lectures
    - Used to identify interest topics for potential audience
    - Feedback about organization and lecturer
-

# 2019 Accomplishments (2)

## Membership

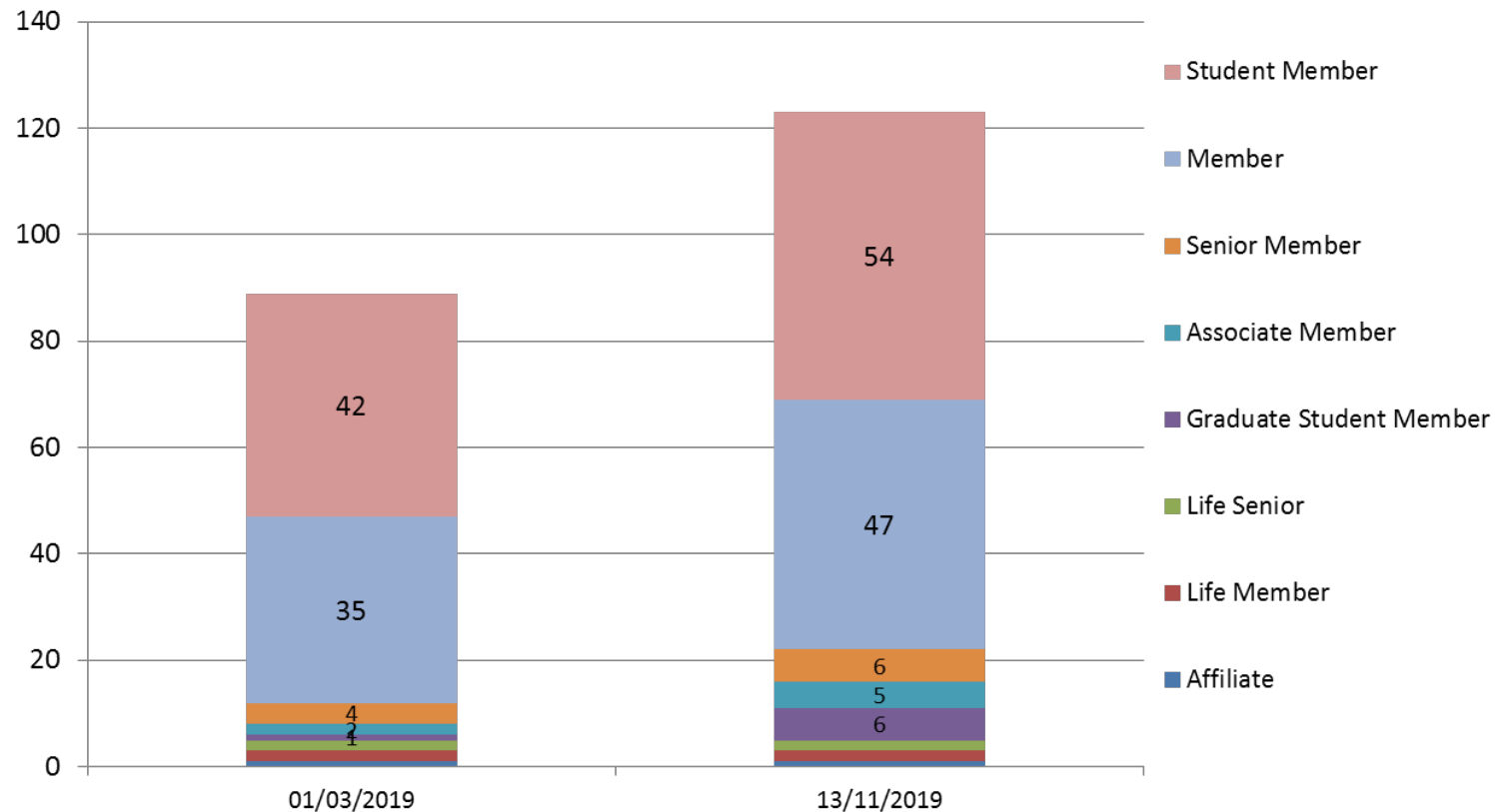
- ◆ To November 2019, membership increase in 38%

IEEE Grade	01/03/2019	13/11/2019
Student Member	42	54
Member	35	47
Senior Member	4	6
Associate Member	2	5
Graduate Student Member	1	6
Life Senior	2	2
Life Member	2	2
Affiliate	1	1
Total	89	123

# 2019 Accomplishments (3)

## Membership

Membership IEEE ComSoc Peru 2019



# Problems Encountered

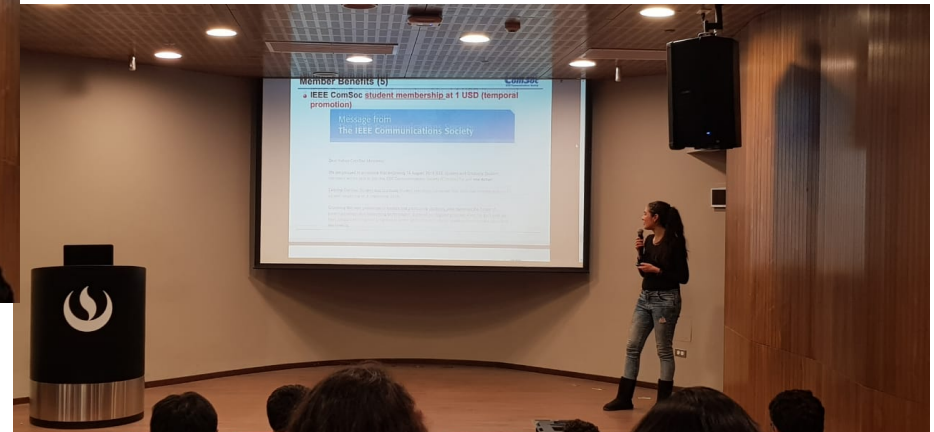
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- Few student chapters active found
- Lack of volunteer in order to support activities
  - ◆ Mainly professional members
- Sensation of few value in membership
  - ◆ For new students (related to cost)
  - ◆ For professional of industrial sector



- Organization of workshops for students & YP
    - ◆ Participation in monthly student meetings
    - ◆ Workshop oriented for the future potential YP ComSoc
  
  - Use networking contacts in order to involve new members
    - ◆ Difusion by Facebook, webpage and LinkedIn
  
  - Addition of interest topics in lecture, conference and roundtables
    - ◆ Use of virtual tools and others facilities as valued added only for members
    - ◆ Best practices for scholarship
    - ◆ Award for student chapters with more activities (running)
-

# Problems Solutions Plans



# Next Year Work

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- Continue with lectures
    - ◆ At least 4 lectures on interest topics
    - ◆ 2 DL by year
  - Use of PMI for ComSoc events
    - ◆ Improve organization and research goals
    - ◆ Find additional tool
  - New committees
    - ◆ YP
    - ◆ WICE
  - Call for student volunteers
  - Continuous survey in order to know the interest topics
-

Síguenos:  @IEEEComSocPeruChapter