Chapter
IEEE ComSoc Latin America Region

Regional Chapter Chair Congress 2019
Salvador, Bahia, Brazil

Ignacio Enrique Zaldívar Huerta
Puebla, Chapter Chair
zaldivar@inaoep.mx

- I am a member of the Institute of Electrical and Electronics Engineers (IEEE) since December 2002.

- In October 2014, I was promoted to Senior Member IEEE.

- Currently, I am the chair of the IEEE Latin American Communications Society (ComSoc), Region 9, Puebla Chapter, Mexico.

Where is Puebla ?

Puebla, Chapter

Population in 2015 (City): 6’168,883

https://ieee-puebla.org/

IEEE ComSoc
IEEE Communications Society

IEEE SECCIÓN PUEBLA

IEEE

¿QUÉ ES EL IEEE?

El Instituto de Ingenieros Eléctricos y Electrónicos, IEEE por sus siglas en ingles; es una asociación internacional dedicada al avance en la innovación de tecnología para el beneficio de la sociedad. Las raíces del IEEE se remontan al año 1884, cuando la electricidad comenzó a convertirse en una gran influencia en el mundo. En la primavera de ese

IEEE PUEBLA

El 14 de Noviembre de 2003, la sección Puebla del IEEE fue constituida como Sección ante las autoridades del IEEE. Forma parte del Consejo México IEEE y de la Región 9 del IEEE. Está integrada por 9 sociedades técnicas, 2 sub unidades no técnicas y 7 ramas estudiantiles, sus miembros apoyan la misión del IEEE; fortaleciendo

Posgrados

INAOE CONACYT

Estudia un posgrado de calidad en el INAOE que cuenta con el reconocimiento de CONACYT*

CAPITULOS

Los capítulos de Sociedades IEEE brindan oportunidades técnicas a sus miembros a través de la organización de actividades a nivel local. Los capítulos IEEE sección Puebla:

- Circuits and Systems Society
- Communications Society
- Computational Intelligence Society
- Computer Society
- Electronic Devices Society
- Engineering in Medicine and Biology Society
- Industrial Electronics Society
- Instrumentation and Measurement Society
- Robotics and Automation Society

Work Done

- Lectures
- Conferences

2017-2019 Accomplishments

2017

http://ieee-puebla.org/event/mhtc-2017/

IEEE ComSoc
IEEE Communications Society

We have participated in the organization of the "IEEE Mexican Humanitarian Technology Conference 2017 (MHTC)", held from 29 to 31 march in the Universidad Autónoma de Puebla. Puebla, Mexico.

Puebla Section-Technical Chapters

ELECTRON DEVICES SOCIETY

IEEE INSTRUMENTATION & MEASUREMENT SOCIETY

EMB

IAS IEEE INDUSTRY APPLICATIONS SOCIETY

IEEE COMMUNICATIONS SOCIETY

IEEE computer society

CAS

IEEE Computational Intelligence Society

IEEE Robotics & Automation Society

Puebla Section-Affinity Groups

IEEE SIGHT

IEEE youngprofessionals

MHTC2017 - **IEEE Mexican Humanitarian Technology Conference 2017** – is a cross-discipline conference for presenting, discussing, and developing technological solutions to social challenges. **MHTC** attracts presenters and attendees who work to satisfy the needs of populations affected by poverty, disaster, environmental change, and other impacts resulting in their needs being unmet or underserved.

In order to create and promote sustainable, holistic humanitarian solutions; this conference focuses on technological solutions complemented by an integrated understanding of broader contexts such as economics, policy, culture, and the environment. **MHTC** welcomes participation by individuals and organizations from technical and non-technical backgrounds, including engineers, scientists, academics, small-businesses, corporations, philanthropists, foundations, and government and non-government organizations.

Call for Papers

The Conference is presented in following tracks:

- **Energy**—infrastructure and off-grid power, renewable, transportation, energy harvesting, green technologies, smart grid lighting, cooking & heating.
- **Health**—medical technology, telemedicine, mobile care, primary care, Biomedical instrumentation, biotechnology, bioinformatics.
- **Disaster, connectivity, and communication**—disaster warning & avoidance, disaster response, disaster management, networks, remote communication, communication technologies
- **Humanitarian challenges and opportunities**—education, housing, supply chain & distribution, business development, vulnerable groups.
- **Environmental Monitoring**—clean water, pollution, sanitation, irrigation, farming practices & agricultural technologies, climate change.
- **E-Services for the masses**—eGovernance, mGovernance, mobile banking, mobile micro finance, e-education, electronic personal security.
- **Frugal innovation**—Innovation in low cost applications of technology, low cost development, low cost manufacturing, open source hardware and software, crowd sourcing.
- **Emerging technologies for humanitarian applications**—ubiquitous computing, ubiquitous communication, Internet of things, wireless sensor networks, 3D printing, Big data, cloud computing, circuits and systems.

Submissions: Authors may submit content in the form of a technical paper. All submissions require full submission in English, Spanish or Portuguese.
More information http://ieee-puebla.org/mhtc-2017/ or seccion.puebla@ieee.org

Key dates:

January 13	Full paper submission deadline
February 10	Notification of acceptance
February 24	Final submission

Tecnológico de Monterrey

45 Aniversario INAOE

DLT, March 31, 2017

Professor Albert Banchs's tour in Mexico, in collaboration with Morelos, Puebla and Guadalajara chapters.

In Puebla, Professor Albert Banchs participated in the keynote conferences organized by IEEE Puebla Section. "Visión global de las prestaciones de las futuras redes 5G y las principales tecnologías "

Participation of others ComSoc nationals members, September, 2017

Araceli García Gómez received her B.Sc. degree in electronics and communications engineering from the University of Guadalajara and a Master degree in Applied Computer Science from the ITESO University. In the Secretaria de Comunicaciones y Transportes, an office of the Mexican Government, she worked in activities related to radioelectric spectrum administration, 1987-1989. She has been a professor at different universities in Guadalajara since 1993, and a professor in the Electronics, Systems & Informatics Department (DESI) at ITESO since 1996. Araceli was the academic coordinator of the Undergraduate Program of Electronics Engineering, 2001-2005 and a member of the Department Council of the DESI. She was also a member of the Consultative Council of the Cadena de la Industria Electronica (CADELEC) Guadalajara, 2007-2009. Currently, Araceli teaches courses on Computer Networks and participates in several academic and professional projects in different universities. IEEE ComSoc activities: Committees/Boards include–Chapter Chair of Guadalajara ComSoc, 2001-2004; Latin America Region Board coordinating the DLTs, 2003-2005; Guadalajara Section Vice Chair, 2004-2006; ComSoc Regional Director for Latin America, 2006-2007; Guadalajara Section Chair, 2007-2008; Student Branch Counselor ITESO, 2012, ComSoc Guadalajara Chapter Chair, 2016-2018. Conferences and Awards include–Co-Chair for several IEEE Conferences (CIEP 2002, IMWS 2009, PIMRC 2010, WCNC 2011). Her chapter received the Chapter Achievement Award in 2003; Araceli was named Engineer of the Year in 2004.

In Puebla, Araceli participated in the keynote conferences organized by the National Institute of Astrophysics, Optics and Electronics within the framework of the 9th Advanced Electronics and Design Seminar. Talk: “Guadalajara, ¿por qué es la primera Smart City mexicana? ”

DLT, November 11, 2017

Professor Luiz DaSilva tour in Mexico, in collaboration with Morelos, Puebla and Monterrey chapters.

In Puebla, Professor Luiz DaSilva participated in the keynote conferences organized by the National Institute of Astrophysics, Optics and Electronics. “Sharing infrastructure and spectrum: a vision for the future of mobile networks”

2018

DLT April, 24 2018

"QoS in Heterogeneous Wired and Wireless Networks"
Prof. Ben-Othman, IEEE Comsoc distinguished lecturer

Date:
24 Abril, 2018

Time:
12 p.m.

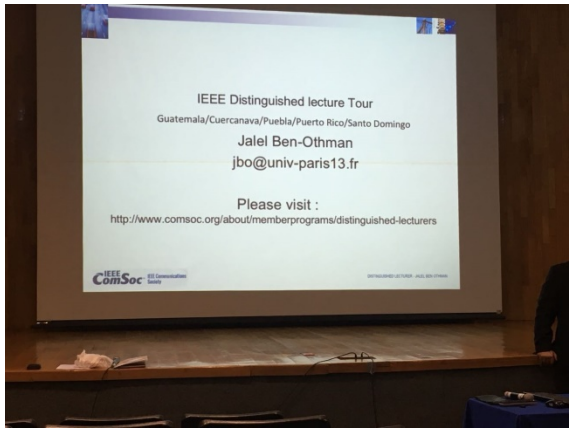
Location:
INAOE, Centro de información

Event Organizers:
IEEE ComSoc Puebla Chapter

CONFERENCE HIGHLIGTH

Wireless and mobile networks have many advantages as easy deployment, user mobility and provides network access to users regardless to their locations. The most critical issues that arise in those networks are on the resource allocations as the bandwidth is limited, the propagation (multi-path, fading, distortion) and security since communications are transmitted over radio waves. In this seminar I will present several works done to model/Improve Quality of Service in Wireless networks. Three different methods will be presented in this lecture. In the first part a new model based on Markov chains is presented to model the different service classes defined in IEEE 802.16. The second part I will present a new AC that we have defined for IEEE 802.16 and we have evaluated using Stochastic Automata Networks. Finally I will present a stochastic model that for admission control in wireless networks using IEEE 802.11 standard.
More about Prof. Ben-Othman:

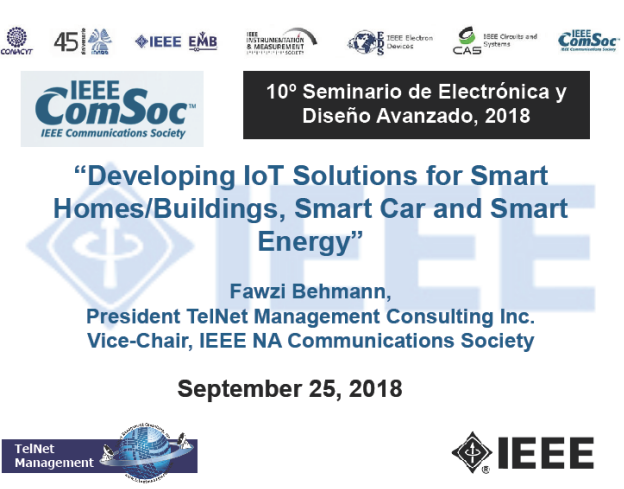
https://www.comsoc.org/distinguished-lecturer/jalel-ben-othman



Professor Jalel Ben-Othman's tour in Mexico, in collaboration with Morelos, Puebla and Monterrey chapters.

In Puebla, Professor Jalel Ben-Othman participated in the keynote conferences organized by the National Institute of Astrophysics, Optics and Electronics within the framework of the Electronics Seminar.

DLT, September 25, 2018



Professor Fawzi Behmann's tour in Mexico, in collaboration with Morelos, Puebla and Monterrey chapters.

In Puebla, Professor Fawzi Behmann participated in the keynote conferences organized by the National Institute of Astrophysics, Optics and Electronics within the framework of the 10th Advanced Electronics and Design Seminar.

Formation of the student chapter ComSoc, December 9, 2018

IEEE ComSoc
IEEE Communications Society

IEEE
Advancing Technology for Humanity

Cecelia Jankowski
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Member and Geographic Activities
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c.jankowski@ieee.org

DECEMBER 10, 2018

IGNACIO ZALDIVAR-HUERTA
INAOE
APARTADO POSTAL 51 Y 216
PUEBLA PUE 72000
MEXICO

Dear Ignacio Zaldivar-Huerta:

Congratulations! It is a pleasure to inform you that the requirements of the Member and Geographic Activities Board Operations Manual have been met and the IEEE Communications Society Student Branch Chapter at the Instituto Nac De Astrofisica,Optica & Electronica has been formed. The effective date of this Student Branch Chapter formation is December 9, 2018.

On behalf of the IEEE and its members, I would like to welcome your Branch Chapter to the student program. If you have any questions or need assistance, please do not hesitate to contact our Student Services department at:

Student Services
IEEE Member and Geographic Activities Department
445 Hoes Lane
Piscataway, NJ 08854

student-services@ieee.org, email
+1 732 562 5527, phone
+1 732 463 9359, fax

Sincerely,

Cecelia Jankowski
Managing Director
Member and Geographic Activities

cc: T. Ramos – Region 9 Director
S. Corrado – Region 9 Student Activities Chair
C. Quintero Ruiz – Region 9 Student Representative
K. Letaief – Communications Society President
N. Kato – Communications Society Vice-President
S. Guo – Communications Society Director Membership Services
S. M. Brooks – Executive Director Communications Society
C. Cronin – Executive Volunteer Services Administrator Communications Society
E. Gutierrez-D – Puebla Section Chair
Perez Salgado – Puebla Section Student Activities Chair
J. Rangel-Magdaleno – Student Branch Counselor
H. Morales – Student Branch Chair
L. Gonzalez – Student Branch Chapter Chair

2019

DLT 2019, may 28

Professor Sudhit Dixit's tour in Mexico, in collaboration with Morelos, Puebla and Guadalajara chapters.

In Puebla, Professor Sudhit Dixit participated in the keynote conferences organized by the National Institute of Astrophysics, Optics and Electronics.

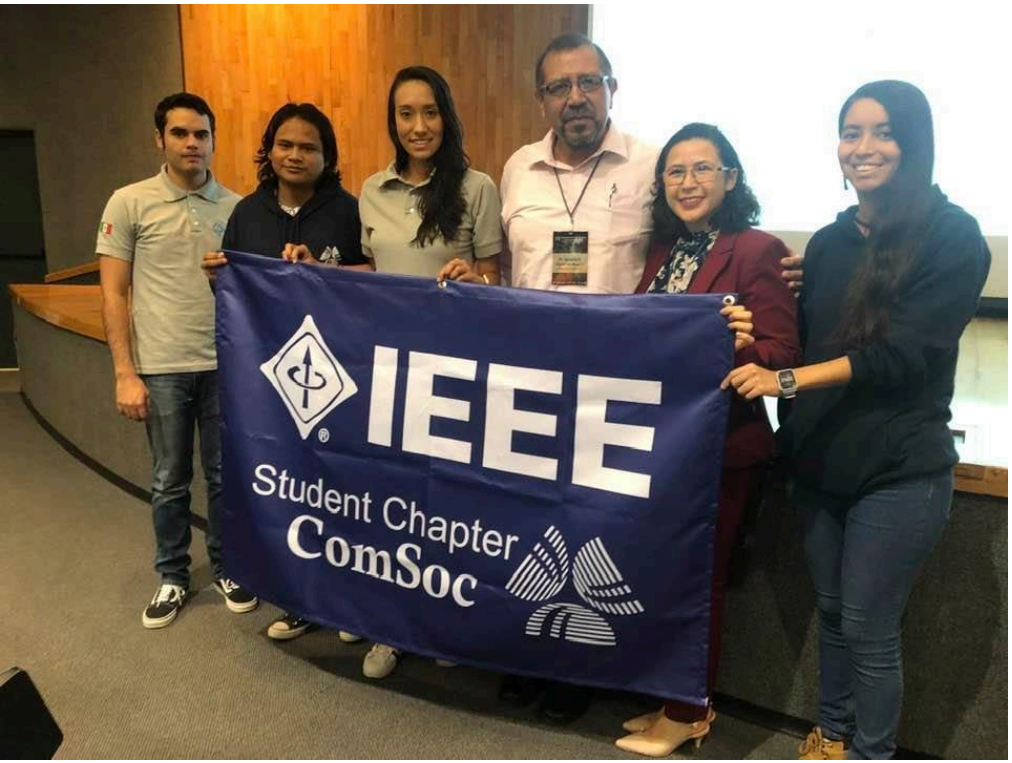
Participation of others ComSoc nationals members, September 25, 2019

María Catalina Ovando Chico graduated in Electronic Engineering and Communications from the *Universidad Iberoamericana Puebla* and a Ph.D. from the *Universidad Politécnica de Madrid*. Her doctoral dissertation is entitled "Application of the techno-economic analysis in the deployment of LTE 800 MHz in the rural areas of Spain" and received the distinction Cum Laude distinction. Her research lines are technology adoption and innovation in Mexico, innovation policies and telecommunications, digital platforms and their impact on productive industries, and telecommunications policy. She has been involved in several research projects within the telecommunications industry. She is a member of the editorial board of *Strategy, Technology & Society* Journal, IEEE Puebla section member and a Mexican national researcher level 1. She is a professor at UPAEP at the graduate school programs in Strategic Planning and Management Technology since May 2015. She teaches the courses of Technology Innovation Models, Electronic Business Logistics and Technology Evolution.


@catyovando
https://catalinaovando.com/
CERTIFICATE


CONACYT
11º Seminario de Electrónica y Diseño Avanzado
24-26 de Septiembre 2019
INAOE

Presence of the student chapter ComSoc



IEEE day 2019

Recruitment day, November 7, 2019

RAMA ESTUDIANTIL
IEEE INAOE

Dr. Ignacio Enrique Zaldívar Huerta

Tutor de Capítulos ComSoc

PRESENTE

La rama estudiantil del IEEE y los capítulos estudiantiles IEEE del INAOE, CAS, I&MS, ComSoc y EDS, tienen a bien invitarte al evento de reclutamiento organizado por los estudiantes de la coordinación de electrónica adscritos al IEEE. La cita es el jueves 7 de Noviembre de 2019 en el salón de eventos de INAOE, en punto de las 17:00 hrs. Tendremos información acerca de los beneficios de la membresía y de las diferentes sociedades del IEEE. Habrá comida, concursos y sorpresas para los nuevos miembros y para aquellos que renueven.

¡Esperamos contar con tu valiosa presencia!

Sinceramente,

Hans Israel Morales López
Presidente de la Rama Estudiantil IEEE del INAOE

CAS
IEEE ComSoc IEEE Communications Society INAOE Student Chapter
EDS
IEEE INSTRUMENTATION & MEASUREMENT SOCIETY STUDENT BRANCH CHAPTER AT THE INAOE

- Student Full year $ 27.00
- Student Half Year $ 13.00

Lectures

- **“Fibras ópticas, filtros fotónicos y su uso en telecomunicaciones ópticas” en la “Semana TEC-INAOE 2017” Organizada por la rama estudiantil IEEE sección Puebla, en conjunto con el departamento de eléctrica y electrónica del Instituto Tecnológico de Puebla.**

- **“Osciladores Optoelectrónicos: Una alternativa para generar señales microondas” “Semana TEC-INAOE 2018” Organizada por la rama estudiantil IEEE y robotics and Automation Society Sección Puebla, Instituto Tecnológico de Puebla. Puebla, Pue. Marzo 2 de 2018.**

- **“Transmisión Experimental Bidireccional Utilizando un Filtro Fótonico de Microoondas”, IEEE Day Organizada por la rama estudiantil IEEE de la Benémerita Universidad Autónoma de Puebla. Puebla. Pue a 4 de octubre de 2018.**

- **“Aplicaciones de la fotónica en el dominio de las microondas” Third Congress IEEE-UG Photonics Society Student Branch Salamanca, Guanajuato. a 16 de noviembre de 2018.**

- **“Aplicaciones de la fotónica en el dominio de las microondas”, Fourth Congress IEEE-UG Photonics Society Student Branch Salamanca, Guanajuato. a 25 de octubre de 2019.**

Problems Encountered

- Is difficult to establish communication with Carol Cronin or the staff.
- The most of DL's did not answer the invitations to participate in a tour.

Problems Solutions Plans

- To establish a better way to be in communication with Carol Cronin or the staff. (facebook, WhatsApp…).

- Regarding to the DL's, I wait proposals !

Next Year Work

- Plan 1
  - To promote new memberships for ComSoc in events where Puebla section participates.
  - To promote new memberships for ComSoc in others Universities and Institutes.
  - Coordinate the visit of a Distinguished Lecturer of ComSoc.
  - To promote new IEEE membership between the attendants.

Thanks (obrigado, gracias) for your attention

Dr. Ignacio Enrique Zaldívar Huerta. zaldivar@inaoep.mx
http://www.inaoep.mx
http://www-elec.inaoep.mx/espanol/personal/investigadores/zaldivar.html