

Puebla Chapter

IEEE ComSoc Latin America Region

Regional Chapter Chair Congress 2016

Medellin, Colombia

Ignacio Enrique Zaldívar Huerta

Chapter Chair

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- Lectures

- Conferences

- ◆ We have participated in the organization of the “IEEE Conferencia Mexicana en Tecnología Humanitaria 2015 (MHTC)”, held from 18 to 20 march in the Universidad Autónoma de Puebla. Puebla, Mexico.

2016 Accomplishments

● Lectures

- ◆ “Filtros fotónicos y su uso en telecomunicaciones ópticas”, IEEE Sección Puebla, Semana TEC-INAOE. Puebla, march 9, 2016.
- ◆ “Entendiendo las comunicaciones ópticas”, Cuarto Simposio de Ingeniería, Universidad Autónoma de la Ciudad de México, Ciudad de México, september 9, 2016.

● Conferences

- ◆ We have participated in the organization of the “8º Seminario de Electrónica y Diseño Avanzado”, Instituto Nacional de Astrofísica, Óptica y Electrónica, Tonantzintla, Puebla, México. Held from 21-23 september, 2016.
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8° SEMINARIO DE ELECTRÓNICA Y DISEÑO AVANZADO

21-23 de septiembre de 2016



CONFERENCIAS MAGISTRALES

MIÉRCOLES 21

Dr. Daniel Durini
Jülich GmbH, Alemania
"Silicon based photodetection in science"

Dr. Alejandro Aragón Zavala
Tecnológico de Monterrey Campus Querétaro, México
"Tendencias en comunicaciones móviles: una mirada hacia 5G"

Dr. Horacio Estrada
CIDESI, Mexico
"Programa Nacional de MEMS"

Dr. Ravi Sankar
Universidad de Florida, USA
"Wearable sensors and technologies for advancing healthcare"

JUEVES 22

Dr. Maysam Ghovanloo
Georgia Institute of Technology, USA
"Implantable and wearable microelectronic devices to improve quality of life for people with disabilities"

Dr. Andrew Taberner
Auckland Bioengineering Institute, Nueva Zelanda
"Measurement and instrumentation at the tissue: machine interface"

VIERNES 23

Dr. Paul K. L. Yu
University of California at San Diego, USA
"Green Nanotechnology as a campus initiative"

Dr. Fernando Guarín
Global Foundries, Inc, USA
"Energy-efficient semiconductor device technology"

Dr. Ravi Todi
Global Foundries, Inc, USA
"Semiconductor device technology beyond 14 nm"

Registro:
www-elec.inaoep.mx/seminario2016

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Auditorio del Centro de Información
Instituto Nacional de Astrofísica, Óptica y Electrónica

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Entrada libre

Problems Encountered

- Lack of knowledge of the procedures for request budget for the chapter, as well as to invite a distinguished lecturer.
 - Is difficult to establish a common date between others chapters for a DL Tour.
 - The most of DL's did not answer the invitations to participate in a tour.
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Problems Solutions Plans

- To establish a better way to be in communication between others chairs. (facebook, WhatsApp...)
 - To promote new memberships for ComSoc in events where Puebla section participates.
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- Plan 1

- ◆ We are preparing the IEEE Mexican Humanitarian Technology Conference MHTC2017, to be held march 29-31, 2017, Puebla, México.
- ◆ Coordinate the visit of a Distinguished Lecturer of ComSoc in the IEEE Mexican Humanitarian Technology Conference MHTC2017.
- ◆ To promote new IEEE membership between the attendants.

- Plan 2

- ◆ Provide support to Universities and Student Branches to organize conferences and consolidate the communications chapter.
 - ◆ To promote new ComSoc membership.
 - ◆ Establish a better way to be in contact with others chapter chairs of ComSoc in Mexico and the region.
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Puebla Section-Technical Chapters



Puebla Section-Affinity Groups



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**—e-Governance, 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



Thanks for your attention



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<http://www.inaoep.mx>

<http://www-elec.inaoep.mx/espanol/personal/investigadores/zaldivar.html>