



UTN.BA
UNIVERSIDAD TECNOLÓGICA NACIONAL
FACULTAD REGIONAL BUENOS AIRES



IEEE

IEEE ARGENCON 2016

The biennial Congress of IEEE Argentina

ARGENCON 2016

IEEE Argentina Biennial Congress

ARGENCON: IEEE Argentina Biennial Congress.

Venue:

Universidad Tecnológica Nacional, Facultad Regional Buenos Aires, Av. Medrano 951, Almagro, Ciudad Autónoma de Buenos Aires, Argentina.

Important Dates:

Event Date: June 15-17 2016.

Abstract Submission Date: December 21, 2015.

Full Paper Submission Date: March 28, 2016.

Notification of Acceptance Date: May 2, 2016.

Final Paper Submission Date: May 16, 2016

Important: abstract submission date, does not imply elimination, but the possibility of obtaining the discount registration.

ARGENCON will be held on **June 15 - 17, 2016** at **Buenos Aires, Argentina**. The venue is Universidad Tecnológica Nacional, Facultad Regional Buenos Aires.

Planned activities:

- Paper's presentations and poster exhibition.
- Plenary Sessions of distinguished lecturers.
- Events organized by IEEE Chapters, IEEE Chapters and IEEE Affinity Groups.
- Workshops.
- Seminars.

Topic:

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Aeronautics and space. • Antennas, Propagation and Electromagnetic Compatibility. • Bioengineering. • Cybersecurity and cyberdefense. • Circuits and systems, electronic devices and microelectronics. • Communications. • Computer Systems. • Control, automation and robotics. • Electronic devices and solid state circuits. • Education. • Geosciences and Remote Sensing. | <ul style="list-style-type: none"> • Power electronics and industrial applications. • Management of Engineering and Technology. • Social Implications of Technology. • Oceanic Engineering. • Computational Intelligence. • Signal Processing. • Microwave Theory and Techniques. • Power Systems. • Optical systems and photonics. • Games and Gamification. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Objectives:

IEEE Argentina goals for ARGENCON:

- To spread and exchange activities "**IEEE technical field**", bringing together stakeholders in the broad spectrum of knowledge areas covered by the Institute such as Power, Computing, Communications, Bioengineering, Robotics, Aerospace, Artificial Intelligence and Oceanic Engineering, as well as 'cross-cutting' areas, such as Education, Engineering Management and Social Impact of Technology.
- To promote interest and enthusiasm in young people studying and training in science and technology.
- To incorporate **different branches of industry** for developing joint activities.
- To contribute to the primary objective of the IEEE, "**Advancing Technology for Humanity**".

Call for Papers:

IEEE ARGENCON 2016 is seeking original, high-impact research submissions on the topic areas of the Congress. Selected papers will be submitted for publication in major journals including IEEE Xplore® and IEEE Latin America Transactions.

For more information

Visit: <http://www.argencon.org.ar>

Contact by e-mail

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sec.argentina@ieee.org

Organized by:

IEEE Argentina

IEEE
Argentina Section



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Organizing Committee

Conference Chair:

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Authorities IEEE Argentina

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Honorary members of the Academic Committee

María Inés Valla (http://www.conicet.gov.ar/new_scp/detalle.php?id=19715)

Juan Cousseau (http://www.conicet.gov.ar/new_scp/detalle.php?id=19841)

Diego Alonso (http://www.conicet.gov.ar/new_scp/detalle.php?id=20328)

Coordinators for Thematic Areas

Aeronautics and space:

Antennas, Propagation, and Electromagnetic Compatibility:

Bioengineering:

Cybersecurity and cyberdefense:

Circuits and systems, electronic devices and microelectronics:

Communications:

Computer and Systems:

Control, automation and robotics:

Electronic devices and circuits solid state:

Education:

Power electronics and industrial applications:

Oceanic Engineering:

Computational Intelligence:

Signal Processing:

Microwave Theory and Techniques:

Power Systems:

Optical systems and photonics:

Video Games and Gamification:

Social Implications of Technology:

Management of Engineering and Technology:

Ladislao Mathé

Gustavo Fano

Natalia LopezCelani

Enrique LarrieuLet

Martín Di Federico

Ricardo Veiga

Pablo F Sánchez

NestorBalich

Marcelo Cappelletti

Gustavo Juárez

NestorBalich

Gerardo Acosta

Cristian Rodríguez Rivero

Daniel Jacoby

Alejandro Henze

Javier Barrionuevo

Pablo A Costanzo Caso

Cristina Párraga

Ricardo Taborda

Oswaldo Perez

Special Guests:

Witold Pedrycz (<http://sites.ieee.org/argentina/files/2015/07/CV-Witold-Pedrycz.pdf>)

Enrique H. Ruspini (<http://sites.ieee.org/argentina/files/2015/07/CV-Enrique-H.-Ruspini.pdf>)

Hugh Rudnick (<http://sites.ieee.org/argentina/files/2015/07/CV-Hugh-Rudnick.pdf>)

José Príncipe (<http://sites.ieee.org/argentina/files/2015/07/CV-José-Príncipe.pdf>)



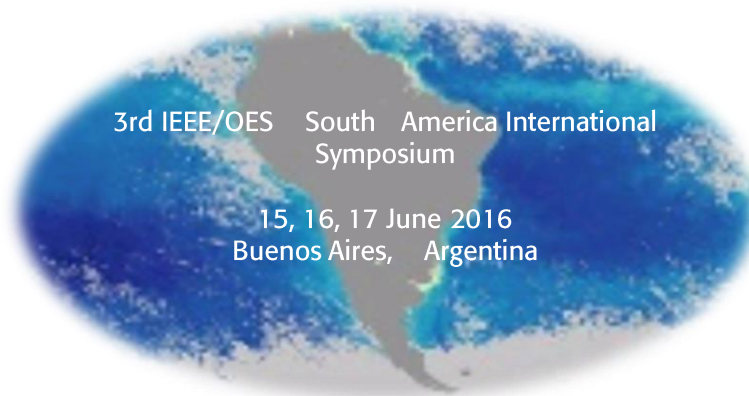
National and Foreign lecturers:

- Maria S. Greco, "Sea and land clutter statistical analysis and modeling", Aerospace and Electronic Systems.
- Matthew Goldman, "3D TV Technology", Broadcast Technology
- Pablo Estevez, "Computational Intelligence Applied to Time Series Analysis", Computational Intelligence
- Jianpang Yao, "Microwave Photonics", Microwave Theory & Techniques.
- Jules S. Jaffe, "Design and operational goals for swarms of miniature vehicles, and the use of diffraction tomography for inferring size, shape, and perhaps the taxa of marine organisms that range from microbes to fish", Oceanic Engineering
- Mark O'Malley, "Harvesting Renewable Energy: The Grid Integration Challenge ", Power and Energy
- Hermansky, Hynek, "Multi-stream recognition of speech", Signal Processing
- Frank Lewis, "Optimal Design for Cooperative Control Synchronization and Games on Communication Graphs", Control Systems
- Enrique A Tejera, "Power Systems Relaying", Industry Applications
- Gerard Hurley, "High Frequency magnetics: Core and Winding Losses", Power Electronics.
- Ullrich Pfeiffer, "Power Generation Techniques to Bridge the THz Gap", Solid State Circuits.
- Jorge Crom, "Pensamiento y Organización en Red. Una perspectiva desde la Nuevas Ciencias de las Redes", Technology and Engineering Management
- Dr. Javier Gozálvez, "Vehicular Communications Field Tests for Active Traffic Safety and Urban Radio Coverage", Vehicular Technology.

Note: The names are tentative, subject to change.



3rd South America Oceanic Engineering Society International Symposium



Topics to be covered:

- The role of the Oceans in the Climate Change
- Ocean Observation Systems, underwater sensing platforms: AUV – ROV – Gliders, Acoustic systems technology for fisheries, remote sensing, satellite images processing
- Coastal Zone Management
- Renewable Energy in the Oceans, alternative resources, gas hydrates, tidal energy, ...
- Acoustical imagery, underwater positioning systems, acoustical underwater communications
- Underwater instrumentation
- Sea and off-shore technology

Location:

National Technological University (UTN-FRBA), Medrano 951, Ciudad Autónoma de Buenos Aires, Argentina – In parallel with the IEEE ARGENCON 2016

Important Dates:

- Full paper submission date: 28 of March of 2016
- Notification of acceptance date: 2 of May of 2016
- Final paper submission date: 16 of May of 2016
- Symposium: 15 of June of 2016



About Argentina Section of IEEE

The IEEE and IEEE Argentina Section

The **IEEE** is the world's largest professional association dedicated to advancing excellence and technological innovation for the benefit of mankind. **IEEE** and its members inspire a global community through **IEEE** highly cited publications, conferences, technology standards, and professional and educational activities.

The acronym **IEEE**, usually pronounced "I-triple-E" comes the Institute of Electrical and Electronic Engineers, the name under which the company is registered in New York, USA. Currently, besides electrical and electronics engineers it includes professionals, practitioners and students of many new technical specialties that have emerged since.

Its origins started in the **AIEE, American Institute of Electrical Engineers**, founded in 1884 and the **IRE Institute of Radio Engineers** in 1912. The two institutions merged in 1968 to form the IEEE.

IEEE members are individuals and IEEE activities worldwide the result of voluntary activity thereof.

Section IEEE Argentina was founded in **1939** as **Section Buenos Aires IRE**, and currently has **Subsection Cordoba**, Chapters of **23 Technical Societies**; the **Technology Management Council**; Affinity Groups **Young Professionals**, **Lifetime Partners** and **Women in Engineering** and **30 Student Branches** spread throughout the country. Also with an Argentine Chapter of **IEEE SIGHT, Special Interest Group on Humanitarian Technology**.

Argentinean chapters of the IEEE Technical Societies

- Aerospace and Electronic Systems
- Broadcast Technology
- Circuits and Systems
- Communications
- Computational Intelligence
- Computer
- Education
- Engineering in Medicine & Biology
- Microwave Theory and Techniques
- Oceanic Engineering
- Power and Energy
- Signal Processing
- Social Implications of Technology
- Chapter Set # 1, companies Control Systems, Industry Applications, Industry Electronics, Power Electronics, Automation and Robotics & Vehicle Technology
- Chapter Set # 2, Antennas and Propagation of societies and Electromagnetic Compatibility
- Chapter Set # 3, societies Electron Devices and Solid State Circuits



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IEEE student branches in Argentina

- Bahía Blanca - Univ. Nacional Del Sur - UNS
- Bahía Blanca - Univ. Tecnológica Nacional, Facultad Regional Bahía Blanca - UTN-FRBB
- Buenos Aires - Univ. Tecnológica Nacional, Facultad Regional Buenos Aires - UTN-FRBA
- Buenos Aires - Univ. Favaloro - UF
- Buenos Aires - Univ. Nacional De Buenos Aires - UBA
- Buenos Aires - Instituto Tecnológico De Buenos Aires - ITBA
- Buenos Aires - Univ. Argentina de la Empresa - UADE
- Buenos Aires - Univ. de Palermo - UP
- Catamarca - Univ. Nacional De Catamarca - UNCA
- Comodoro Rivadavia - Univ. Nacional De La Patagonia San Juan Bosco - UNPSJB
- Córdoba - Univ. Nacional De Córdoba - UNC
- Córdoba - Instituto Universitario Aeronáutico - IUA
- Córdoba - Univ. Tecnológica Nacional, Facultad Regional Córdoba - UTN-FRC
- Córdoba - Univ. Blas Pascal - UBP
- Junín - Univ. Nacional del Noroeste de la Provincia de Bs As - UNNOBA
- La Plata - Univ. Nacional De La Plata - UNLP
- Mendoza - Univ. de Mendoza - UM
- Neuquén - Univ. Nacional Del Comahue - UNCOMA
- Olavarría - Univ. Nacional Del Centro De La Pcia. De Buenos Aires - UNCPBA-UNICEN
- Paraná - Univ. Nacional De Entre Ríos - UNER
- Río Cuarto - Univ. Nacional de Río Cuarto - UNRC
- Posadas - Univ. Nacional de Misiones - UNAM
- Rosario - Univ. Nacional De Rosario - UNR
- San Juan - Univ. Nacional De San Juan - UNSJ
- San Luis - Univ. Nacional De San Luis - UNSL
- Santiago del Estero - Univ. Católica De Santiago Del Estero - UCSE
- Santiago del Estero - Univ. Nacional de Santiago Del Estero - UNSE
- Tandil - Univ. Nacional Del Centro De La Provincia De Buenos Aires - UNCPBA-UNICEN
- Tucumán - Univ. Nacional De Tucumán – UNT

Note: The student branches are in constant motion, depending on the admission of new members and volunteers' students as older will graduate.



Activities Argentina Section

Section annually held in different parts of Argentina, around a hundred activities, typically technical conferences, short courses and technical seminars.

Since 2012 the tradition of holding a Congress periodically broad technical spectrum conducting ARGENCON 2012 in the city of Córdoba resumed.

For more information about our activities please consult the News and News sections on our website <http://www.ieee.org.ar> well as our Annual Reports on 'About IEEE' 'In Argentina' http://ieee.org.ar/ieee_argentina.asp

Agreements with local institutions

Section Argentina has cooperation agreements with various local entities, professional institutions and universities, in order to join forces to benefit their respective memberships in the development of technical and professional activities. It is also often co-participate in the organization of technical and vocational institutions other environmental activities, when combination of objectives for their implementation.

For more information on Section <http://www.ieee.org.ar> Argentina can visit our website, where you will also find links to our social media groups (Facebook, Twitter, LinkedIn, etc.) or write to sec.argentina@ieee.org
Thanks for your interest in our institution and our activities from now.



Images of ARGENCON 2012





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Images of ARGENCON 2014

