



# Rio de Janeiro ComSoc Chapter



# Rio 2016





## OUTLINE

- **Chapter Team**
- **Membership Evolution and Main activities in 2015/16**
- **Chapter Relationships and Connections**
- **Plans for 2017**



# Chapter team

- Waldo Russo, Chapter Chair
- Fabio Alencar, Vice Chair & Treasurer
- Raul Colcher, Membership Development





## **Membership Evolution and Main activities in 2015/16**

- **80+ members in 2015/16, aim to reach 90+ in YE 2017;**
- **Technical Activities:**
- **Dr. Marco Aurelio Cárdenas Juárez, Universidad Autónoma de San Luis Potosí (UASLP) - Facultad de Ciencias – Mexico**  
**Theme: R&D on Cognitive Radio at UASLP – October 1015**
- **Dr. Ekram Hossain, DLT, Department of Electrical and Computer Engineering at University of Manitoba, Winnipeg, Canada**  
**Theme: 5G Cellular: Key Enabling Technologies and Research Challenges – November 2015**
- **Participation on the 2º Seminar on Spectrum Management, organized by ANATEL, with the presentation “Interference of terrestrial mobile systems on satellite communications systems” on September 2015.**



## ... Continue

- **DLT Sonia Aiassa, Institut National de la Recherche Scientifique- Énergie, Matériaux et Télécommunications (INRS-EMT) Université du Québec, had committed for the lecture Energy Harvesting Communications Networks on 2016 October 10<sup>th</sup>, but canceled a few weeks before.**
- **Dr. Fernando José da Silva Moreira, Federal University of Minas Gerais (UFMG) – October 2016**  
**Theme : "Meshless Method on the Solution of Electromagnetic Problems"**
- **Communications systems for IoT- Introduction and Debate Planned for November 21st – Debate with industrial and academic experts involved with the technology, aiming to IoT characterize IoT technologies, network architectures, standards, and regulation and necessity of dedicated low power LAN/WAN**  
**Organized by Dr Carlos Rodriguez Ron (CETUC, PUC-RJ ) and Waldo Russo, Chairman, RJ IEEE COMSOC Chapter.**



## Chapter Relationships

- Develop close ties with local and regional chapters (CAS, CIS, PES, SPS, APS, EDS, MTT-S, etc.) aiming to share DLTs on close related subjects.
- Colaboration with othert societies like SSPI (Society of Satellite Professionals International) and SCTE (Society of Cable Telecommunications Engineer) on organization of common theme seminars and mini-courses.



## **Connections with Local Universities and Telecom Companies in Rio**

- Invitation of recognized Professors and Researchers visiting the Universities for local conferences or other activities, to give a lecture for our members.
- Benefit from connections and facilities for lectures and activities organized by the RJ Chapter:
  - Pontifícia Universidade Católica do Rio de Janeiro (PUC-RJ)
  - Universidade Federal do Rio de Janeiro (UFRJ)
  - Universidade do Estado do Rio de Janeiro (UERJ)



## Plans for 2017

- One (ideally 2) DLT Presentation , preferable after February and before mid November;
- Technical meetings with invited experts among chapter members or universities/research centers
- Survey among members showed some preferred themes:
  - Advanced wireless communications for Industry 4.0 and IoT applications;
  - Next Generation wireless (5G, cognitive systems)
  - Software Defined Networks and Network Functions  
Virtualization impact on telecommunications engineering
  - Evolution of Optical technologies (e.g., NextGen ROADM systems, IP over DWDM, etc.)
  - Nanoscale communications



## **Plans for 2017 (cont.)**

- **Technical meetings in conjunction with other organizations:**
  - **Already in negotiations with SSPI Brazil for a joint event on the theme “*Revision of the key technologies and applications of future satellite 2.0 communications systems*”**
- **Explore common activities among local and regional IEEE/ COMSOC groups, with events of case studies, discussion of future local developments, etc.**
- **New members campaign, exploiting contacts in Universities AND Corporative Sector**