

# 7th June 2019

IAS/PELS/PES STUDENT  
BRANCH CHAPTER-  
UNIVERSIDAD DE OVIEDO



## University of Oviedo - IAS Student Branch Chapter Workshop.

### Speakers



**Juan Carlos Campo**  
Professor at the university of Oviedo. Director of the Polytechnic School of Engineering of Gijon.



**Georges Zissis**  
Professor at the University of Toulouse III. IEEE IAS President.



**Lesley Arakkal**  
IAS Chapter and Membership Department Chair.



**Guirguis Zaki Guirguis**  
UO SB Chapter Chair. Ph.D. student at the University of Oviedo.



**Cristina Gonzalez Moral**  
UO SB Chapter Social Organizer. Ph.D. student at the University of Oviedo.



**Ayman M. El-Refaie**  
Professor at University of Marquette, and Chair of the IEEE IAS Industrial Power Conversion Systems Department.

**Place :** EP-Salón de Actos-Second floor-N. 231

### Programa:

- 15:00 Opening by Prof. Juan Carlos Campo.
- 15:15 IAS at a glance by Prof. Georges Zissis.
- 15:45 IAS CMD Organization and Activities by Ms. Lesley Arakkal.
- 16:15 UO IAS/PELS/PES Chapter at a glance by Mr. Guirguis Zaki and Ms. Cristina Gonzalez.
- 16:30 Technical Talk by Prof. Ayman M. EL-Refaie.
- 17:30 Coffee Break.
- 18:00 Visit to the UO research Laboratories.

### Technical talk title and abstract:

#### **“Energy Conversion for a Sustainable Future Revived Role of Power and Energy”**

Energy sustainability is arguably one of the most critical challenges for a sustainable future. With predictions showing future scarcity and/or higher degree of extraction difficulty of traditional sources of energy for example coal, oil and natural gas, the shift to sustainable clean sources of energy is a must. Another key reason is the increasing detrimental impact of using fossil fuels. This presentation will provide an overview of the various applications where electrification is taking place. The presentation will focus on electrical machines and drives that have been developed or are currently under development. The presentation will also cover some general trends in electrical machines and potential areas of research.

Please confirm your attendance by free registration at:

<https://forms.gle/unoVjRNANqWKkrbu9>



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