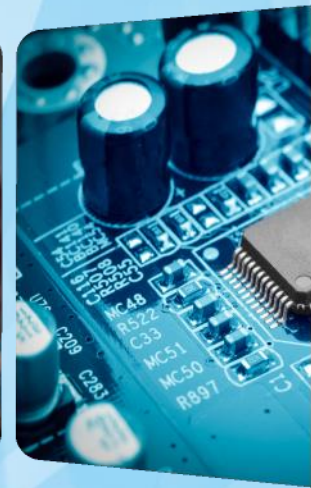
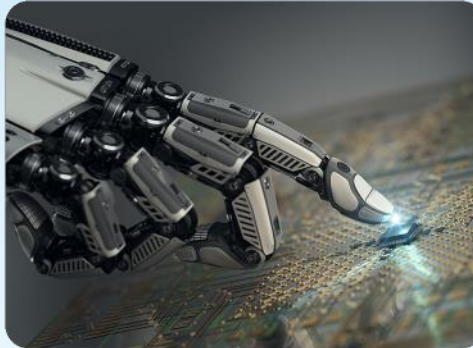


# *The GCSP and other International Collaboration Experiences: Perspectives of students and recent graduates*



## **IEEE - Advancing Technology for Humanity**

***M. Sc. José Oniram de A. Limaverde Filho***

***Chair at IEEE Centro-Norte Brasil Section (2019-2020)***

# About me

## *IEEE Centro-Norte Brasil Section Chair*

### ► **University of Brasília (UnB)**

- B.S. degree in Mechatronics Engineering in 2012.
- M.S. degree in Mechatronic Systems in 2014.
- Ph.D. candidate in Mechatronic Systems.

### ▪ **Télécom Physique Strasbourg (France)**

- CAPES-BRAFITEC exchange program in 2010.

### ▪ **Federal Institute of Brasília (IFB)**

- Substitute Professor (2017-2018)

### ▪ **IEEE Centro-Norte Brasil Section**

- IEEE Young Professionals Affinity Group Chair (2012-2015)
- Section Treasurer (2013-2018)
- Section Chair (2019-2020)



# The Fuel of IEEE

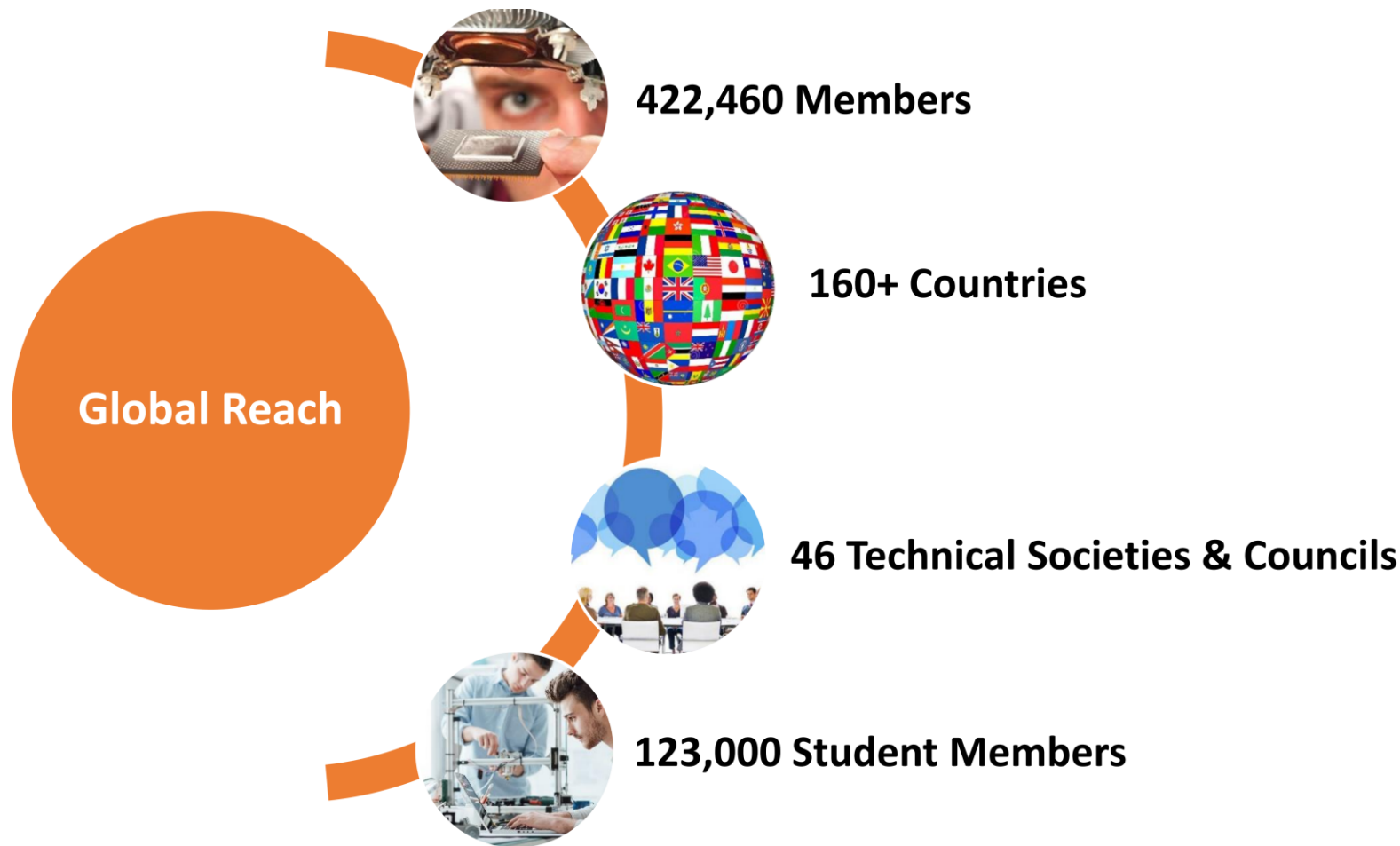
*Who we are*

- **IEEE** is the **world's** largest technical professional organization dedicated to *advancing technology for the benefit of humanity*.



- ▶ IEEE and its members inspire a global community through:
  - Its highly cited publications;
  - Conferences;
  - Technology standards; and
  - Professional and educational activities.

# IEEE at a Glance



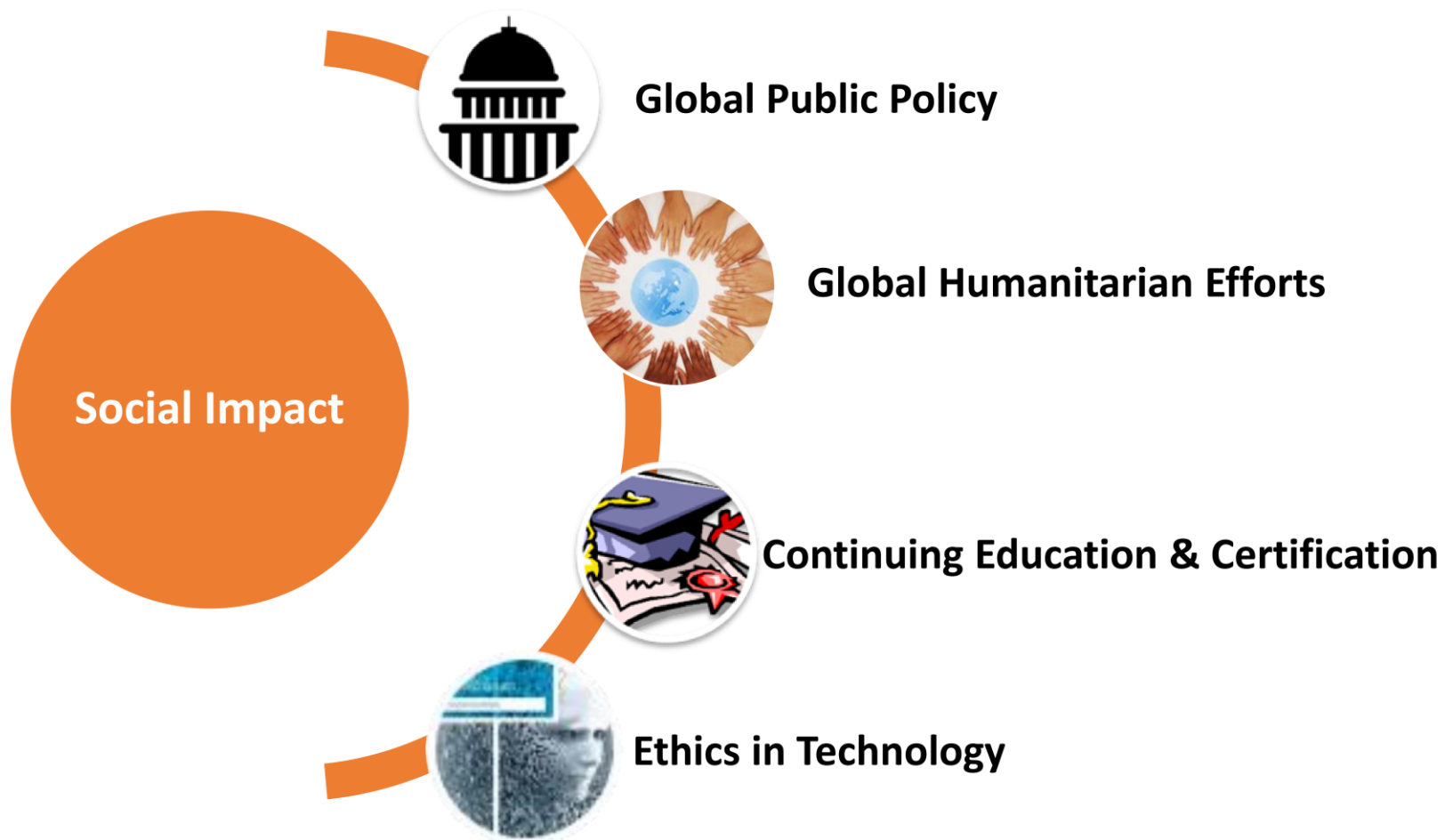
Data as of 31 December 2018

# IEEE at a Glance



Data as of 31 December 2018

# IEEE at a Glance





# What drives the IEEE?



volunteer





# My Experience as IEEE Volunteer

IEEE RNR & RNYP 2015



*“The challenge of organizing the **main** national event for IEEE volunteers.”*





# My Experience as IEEE Volunteer

*IEEE RNR & RNYP 2015*



# My Experience as IEEE Volunteer

*IEEE RNR & RNYP 2015*



## ► Challenges

- Time Management
- Budget
- Event Agenda (Topics to be discussed, Speakers, Courses, ...)
- Location and Transport for Event Attendees.
- Handle unforeseen issues before, during and after the event.

## ► What were the impacts?

- Learn about yourself
- Teamwork and communication skills
- Responsibility and Commitment
- Network opportunities (Brazil and other Latin America countries)

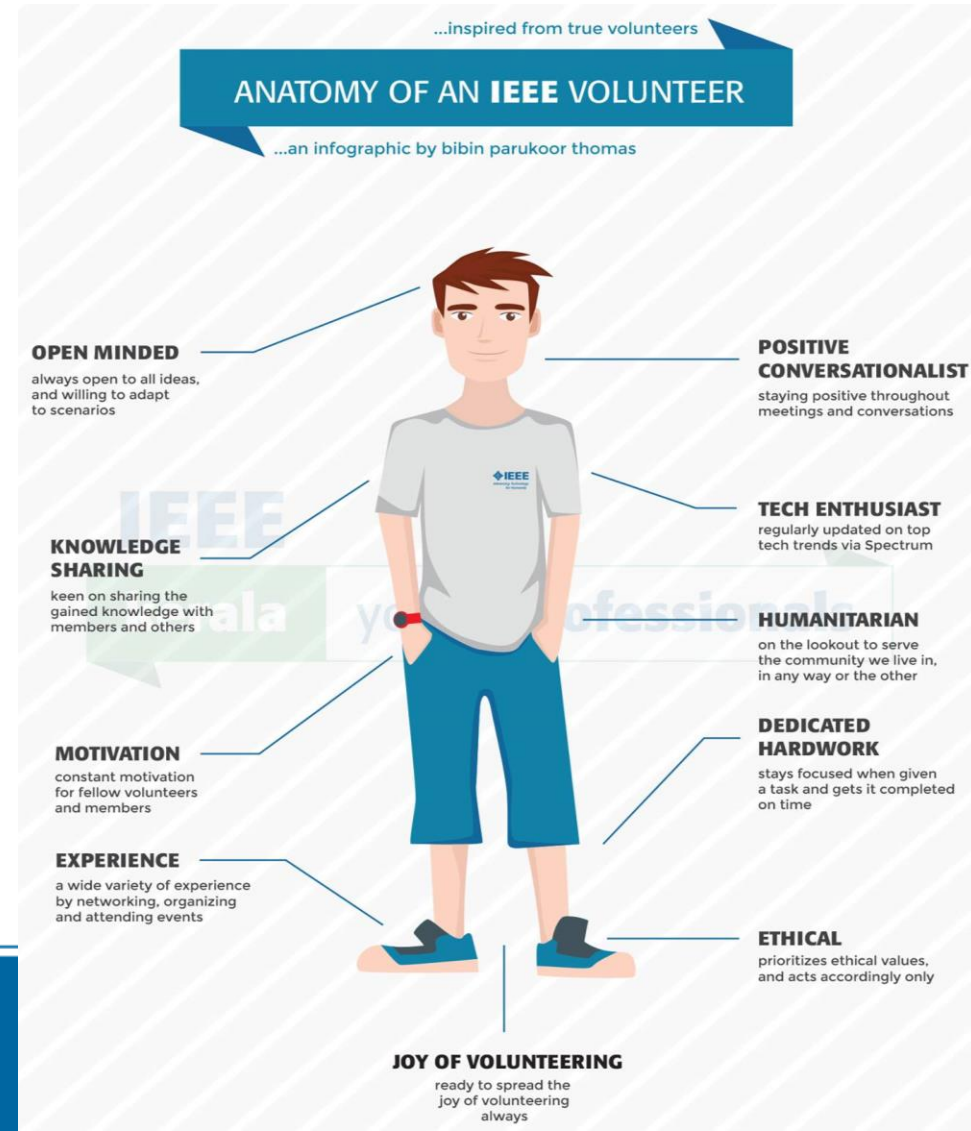


# GCSP and IEEE Volunteers

## *Partnership and Collaboration*

- ▶ GCSP identifies **5** competencies that students must achieve to prepare them to address the global Grand Challenges for Engineering:

- *Talent Competency*
- *Multicultural Competency*
- *Multidisciplinary Competency*
- *Viable Business/Entrepreneurship Competency*
- *Social Consciousness Competency*



# Closing Remarks

- ▶ As a volunteer for almost 8 years, IEEE has provided me unique experiences that have impacted me in many areas of my life.
- ▶ With each experience within IEEE, I am even more motivated to convey this feeling of what it means to be an IEEE volunteer.
- ▶ And it is this spirit that surrounds this "*IEEE Family*" that can be shared to help implement the *Grand Challenges Scholars Program (GCSP)* nationwide in the coming years.
- ▶ Certainly it is initiatives discussed here that will collaborate in the professional development of our engineers to meet the great global challenges of humanity in this century.





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