

Education

AESS Board of Governors Meeting

April 27-28, 2018

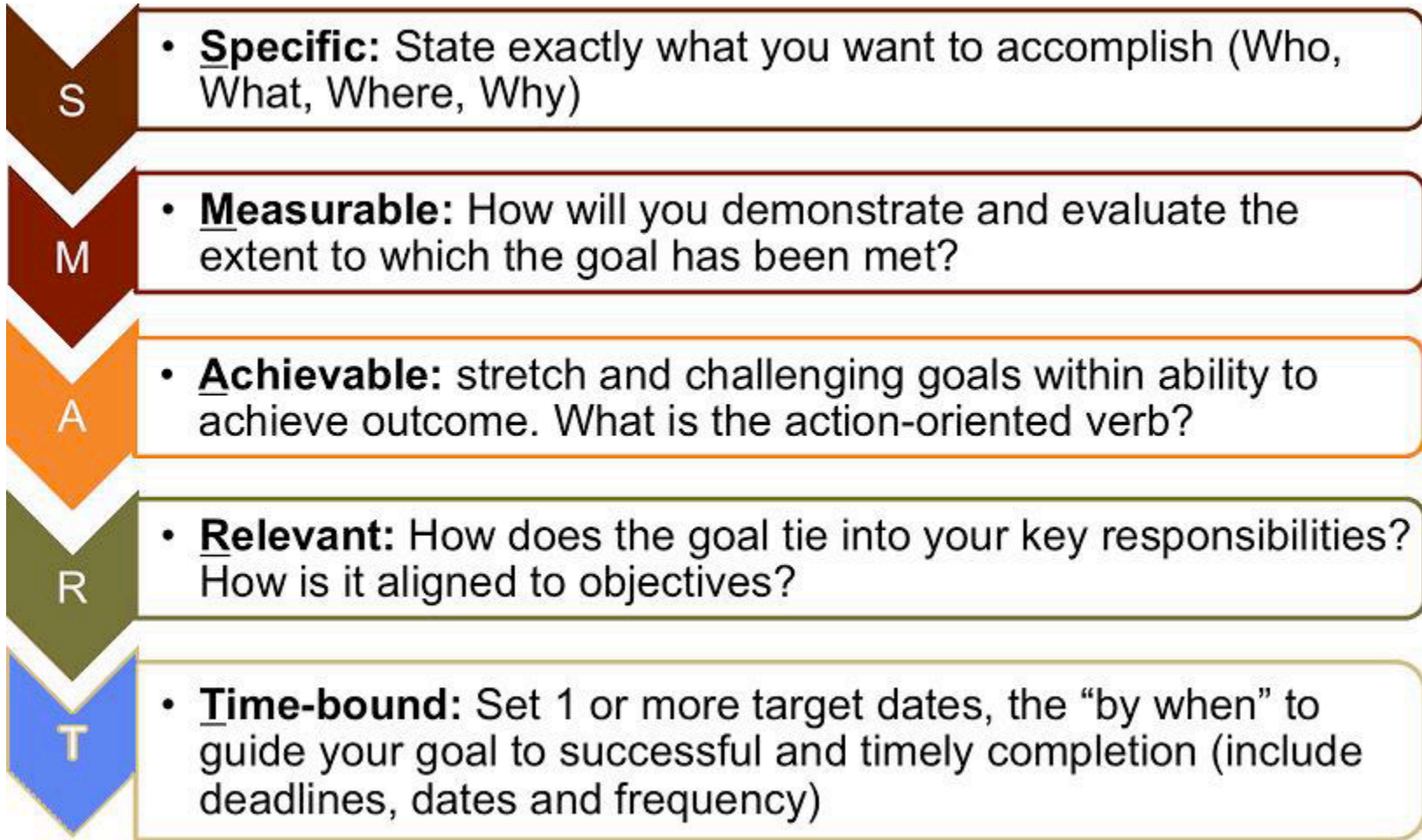
Oklahoma City, OK, USA

Lorenzo Lo Monte

Young Professionals Rep



Objectives



Objectives

- Establish Young Professionals Events at Major AESS Conferences
- Procure Funding and Establish Good Relations with YP ExCom
- Help/Support AESS Committees where YP are directly involved
 - Mentoring Program
 - Radar Summer School
 - Short Course Committee
 - Industry Committee
- Engage AESS in YP-Sponsored Activities/Conferences
- Mentor/Train Officers and Chairs on YP-related activities

Initiatives

- IEEE Radar Conference 2017 (Seattle) – 40 attendees



Initiatives

■ YP In Space (Bangalore)

News & Information

"To Infinity and Beyond" – Buzz Lightyear – Report on Young Professionals in Space 2017

Tushar Sharma
University of Calgary

With the motto, "To Infinity and Beyond," in mind, a group of young motivated professionals set out to achieve a dream—A dream to make new space accessible and demystify its exploration. This idea culminated in Young Professionals in Space, a unique event for young professionals and by young professionals aimed at getting all the change makers of this generation under a single roof to discuss and deliberate on the exciting slew of opportunities offered by aerospace technology and exploration.

On the morning of November 24, 2017, the event kicked off in Bengaluru, India. The event was attended by industry professionals and academicians alike. While the event offered youthful exuberance, it also offered the tempered experience of learned individuals, thus creating the perfect platform for ideation and problem solving.

Talks were offered by industry experts and academicians from different disciplines including Dr. Lorenzo Lo Monte from AES; Prof. Ravinder Dahiya from Sensors Council; Prof. Steve Reising from Colorado State University; Tim Lee, the Global SIGHT Chair 2017; Dr. Quentin Bonds from NASA Goddard Space Flight Center; and many others. The topics ranged from weather forecasting and remote sensing to radar imagery and smart technology.

The highlight of the event was the 3-day YPinSpace bootcamp. It was a unique offering to students and professionals to delve into

and experience first-hand the development cycle of a satellite. The attendees learned about payload design and the dynamics of launch and sustaining a startup business in the aerospace domain.

To further promote startups in aerospace, a special track discussing entrepreneurial challenges was offered. The track featured representatives from leading startups like Team Indus, NoPo Technologies, SatSure, Space Kidz India, Rockessers, Xovian, and Bellatrix Aerospace. The audience asked the panel questions about how to launch and maintain a startup in the new aerospace domain and was enthralled seeing the success of these startups and motivated to start something of their own—the true spirit of the event.

The event was wholeheartedly supported by the IEEE Aerospace Electronic Systems Society, the IEEE Microwave Theory and Techniques Society, the IEEE Sensors Council and many other IEEE organizations. Due to the success of this first edition, YP-in-Space will be offered in Barcelona, Spain this summer from July 16 to July 19, 2018 at UPC-BarcelonaTech, Campus Nord.

Involve. Innovate. Inspire. YP-in-Space truly lived up to the expectations set for it, and all in all, it was a grand success! At the offset of it all, Young Professionals in Space makes a bold proclamation- Be it Moon or Mars, Young Professionals will be at the center of it. 🚀



Initiatives

- IEEE Rising Stars 2017



Initiative

- MIT Annual Student Conference



Initiatives

- YP Event at AeroConf 2018



Initiatives

- YP Event at RadarConf
- 60 Attendees
- AESS Speakers

2018 Young Professionals Reception

@ RadarConf 2018

Sunday, April 22 2018 at 6:30PM
Meeting Rooms 14/15 at Cox Convention Center

Free for IEEE YP Members
Social Meeting and Networking Opportunity
Drinks and Hors D'Oeuvre

Guest Speakers:

Prof. Fabiola Colone
"The AESS Mentorship Program"

Dr. Lorenzo Lo Monte
*"Benefits of Being a YP" and
"The AESS Resource Center for YP"*



Initiatives

- YP Training for Section Officers and Chapter Chairs

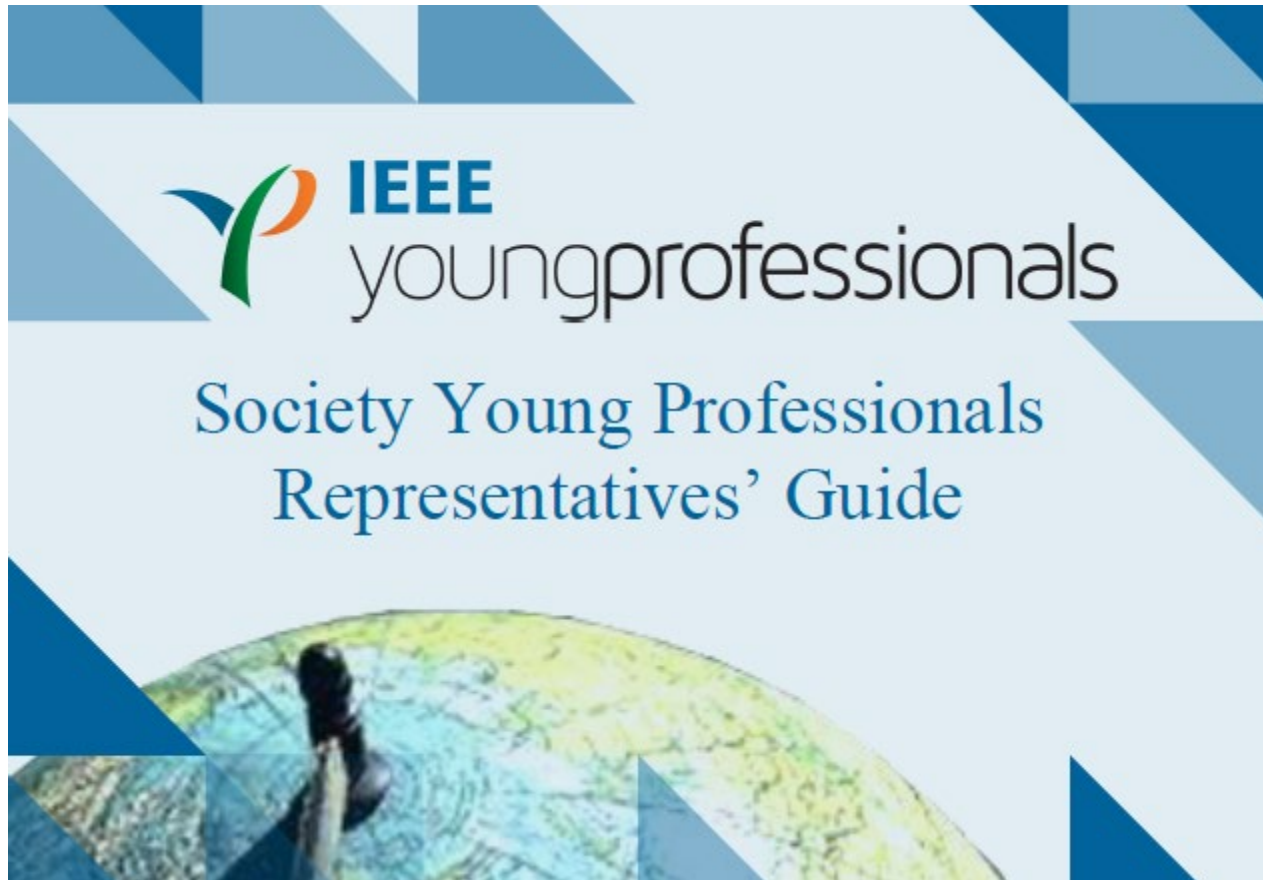


Young Professionals Training

Lorenzo Lo Monte

IEEE Young Professionals Region 1 Coordinator

Supported Initiatives



Supported Initiatives

- IEEE SYSCONF 2018 YP Event
– Bob Rassa, Jamie Ritchie



Tuesday, April 24, 2018 - Begins at 17:30
JW Marriott Parq Vancouver | Fairview IV Room
Vancouver, Canada

IEEE

IEEE International Systems Conference
Free Networking Event

For Students & Young Professionals

IEEE Systems Council
AESSE
IEEE youngprofessionals

PERSPECTIVES OF A CAREER IN SYSTEMS ENGINEERING

- IEEE SENSORS 2017 YP Event
– Hadi Heidari



YP ExCom Meetings

■ Costa Rica (2017)



■ Orlando (2018)



AESS Sponsorship: YP In Space

Launch your own rocket!



Come and join us in Barcelona, Spain to learn about the recent trends and advances in the trajectory of space science and technology. An international, interdisciplinary venture for advancing your career beyond the horizon.

17 - 21 JULY 2018

UPC - BARCELONA TECH, CAMPUS NORD

ORGANIZED BY: COMMISSIE L&E, TELECOM BARCELONA AND YP IN SPACE



IMPORTANT DATES

■ Feb 15, 2018 to April 15, 2018
Early Bird Registration

■ April 15, 2018 to June 15, 2018
Regular Registration

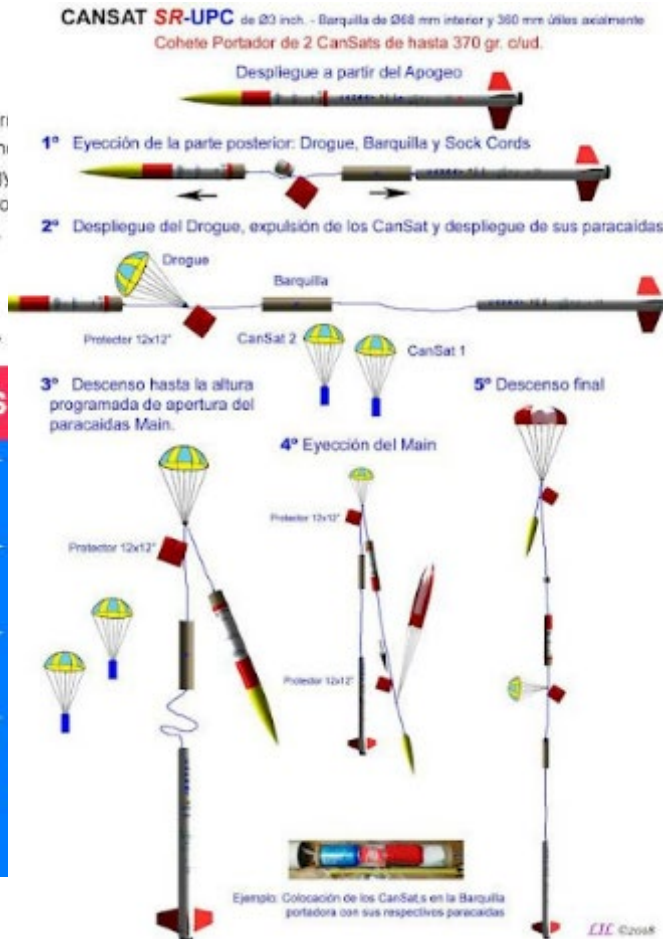
■ June 1, 2018
Sponsorship Deadline

Early Bird: 200€ Regular: 275€

(Includes launch and follow books for all dogs, materials for lab sessions and transportation to launch site on July 21st. Accommodation is not included. Certificates will be provided.)

Register Now: www.ypin.space.com

www.facebook.com/YPinSpace



AESS Sponsorship MIKON 2018

IEEE Young Professionals Meet-Up @ MIKON'18
Poznań Conference Center, Poland
May 16, 2018, 6:00 PM

*During the MIKON'18 the **IEEE YP Meet-Up** will be organized where all attendees (100+) can expand their personal and professional networks and learn more about the Societies and IEEE Community.*

*Recently **MTT-S** and **AP-S** confirmed their support. Since we would like to promote all three Societies equally we **invite simultaneously the AESS** to take a part in the national IEEE networking event.*

- *Introduce AESS Mentoring Program*
- *Introduce AESS Resource Center*

Estimated Expenses – covered by AESS

Item	Option I	Option II
Venue rental	\$250	\$250
Promotional materials	\$100	\$100
Registration desk	\$150	\$150
Food & Drinks	\$0	\$500
Total	=\$500	=\$1000

**the funds can be directly transferred to CB account of IEEE Poland Section.*



➤ **EPE'17**
 180 people
 at Meet-Up



Poland

AESS Sponsorship Rising Stars 2018



- AESS table at the conference and handout AESS flyers to students and YPs
 - Targeted attendance is 320
- I will be an invited speaker: Have students and YPs learn about AESS
- Technical topics relevant to AESS are already presented for several years at Rising Stars - NASA, Made in Space and other relevant companies where AESS can take advantage from.
- AESS Logo advertised on website, brochures and agenda.



Kameron LaCalli



Bio:

Kameron LaCalli received his B.S. in Electrical Engineering from University of San Diego in December, 2016. While in school he participated in and held leadership positions in Tau Beta Pi (President), IEEE (Secretary), and the Ultimate Frisbee Club Team (Co-Captain), and also served as the electrical team lead for the SAE Mini Baja project team. Through internships throughout the school years held at Space Micro, Cubic Global Defense, Ericsson, and Automated Tooling Systems (ATS), he developed a fascination for all things space and aerospace, attending and presenting at relevant conferences whenever possible. Upon graduation, he was hired as a hardware and systems engineer for ViaSat, Inc. in Carlsbad, CA, developing tactical satellite network systems for both U.S. and foreign militaries. Working in hardware Kameron has keen interest and experience working with SATCOM ground terminal architecture, phased antenna arrays, and FPGA based/embedded designs for various communication systems.

IEEE Bio:

At the University of San Diego, Kameron served as the secretary for the USD IEEE chapter, organizing chapter meetings, helping spread chapter awareness, and attending various IEEE conferences and events. He recently helped coordinate and run the Young Professionals/AESS social event at the 2018 IEEE Aerospace Conference in Big Sky, Montana.

YP Rep Statement:

As an AESS YP rep I would focus my energy on spreading awareness of AESS and YP through my various channels and connections to young engineers in industry and academia. YP and AESS have *much* more to offer than I initially realized, and I would make it my goal to create partnerships between AESS YP and local organizations to help others to realize the same. I am involved with the local TBP chapter (engineering honor society), and I keep in contact with current graduate and undergraduate students at USD, UCSD, and SDSU, that can all greatly benefit by learning more about the incredible education, mentorship, and networking opportunities available to them through YP AESS. Those that know me know that I am not shy, and that I am a hard worker, willing to do whatever is needed to further the advancement of the programs I am involved in, while still having a good time doing so. I hope to soon apply this enthusiasm as an AESS Young Professionals Representative.