

# Education

**AESS Board of Governors Meeting**

**April 27-28, 2018**

**Oklahoma City, OK, USA**

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**Graduate Student Rep**



# Key Points

- **Members landscape**

- **Visibility**

- **Members attraction**

- **Members development**



# Membership status: 2017 figures

*IEEE Annual Statistics*

## ■ **AESS vs IEEE statistics:**

- Student members: 5,8% vs 18,5%
- Graduate Student members: 4,7% vs 10,2%

## ■ **AESS vs Division IX statistics:**

	<b>GSM</b>	<b>StM</b>
<b>AES010</b>	231 (4,7%)	285 (5,8%)
<b>GRS029</b>	302 (7,7%)	170 (4,3%)
<b>IT012</b>	289 (9%)	99 (3%)
<b>ITSS038</b>	152 (8%)	52 (2,7%)
<b>OE022</b>	84 (4,7%)	90 (5%)
<b>SP001</b>	1648 (10%)	563 (3,5%)
<b>VT006</b>	249 (5,4%)	132 (2,7%)

# Membership status: 2017 figures

## ■ **AESS vs Division IX performance:**

- Student members: 15% of the total divisions StM.
- Graduate Student members: 7% of the total divisions GSM.



## ■ **GSM engagement:**

- GSM members remained stable from 2016 to 2017 (against the Division IX trend and IEEE globally).
- GSM are lower than the StM (against the Division IX trend).

# Visibility: Chapters

*Region 1-6: 35*

*Region 7: 9*

*Region 8: 20*

*Region 9: 6*

*Region 10: 13*



# Visibility: Chapters vs Members

*IEEE Annual Statistics*

## ■ **AESS vs Division IX statistics:**

	<b>Members</b>	<b>Chapters</b>
<b>Region 1</b>	11	9
<b>Region 2</b>	16	5
<b>Region 3</b>	16	6
<b>Region 4</b>	7	2
<b>Region 5</b>	27	9
<b>Region 6</b>	36	4
<b>Region 7</b>	8	9
<b>Region 8</b>	42	20
<b>Region 9</b>	59	6
<b>Region 10</b>	63	13

# Visibility: "Active" Chapters

*Website activities (when available)*

Region 1-6: 4 (3)

Region 7: 1 (0)

Region 8: 20 (1)

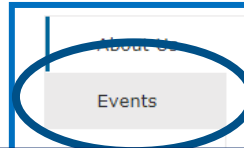
Region 9: 0

Region 10: 2 (0)



# Visibility: Chapters

## Example of smart homepages



### Welcome to the IEEE UK and Ireland Aerospace and Electronic Systems Chapter.

The UK Chapter of the IEEE Aerospace & Electronic Systems Society (AESS) has the vision of fostering the UK engineering community across the domains of radar, sonar, optics and navigation.

We aim to provide a network of UK based engineers and scientists across industry, academia and government that pro-actively meet to discuss cutting edge technical challenges and research. A key goal of the UK AESS chapter is to enable the dissemination of expert knowledge from prestigious speakers via presentations to the AESS members at events organised by the UK Chapter. We hope that these presentations encourage vibrant debate, intellectual discussions and potential future international collaborations.

The AESS society has an excellent mentoring framework that is available to AESS members. As part of this scheme, mentors in the Europe are listed [here](#) and include renowned researchers such as Maria S. Greco, Alfonso Marina, Hugh Griffiths and Marco Martorella to name only a few. The scheme is free to all AESS members and is simple to join.

The AESS society has an excellent newly established Resource Centre. This includes Technical material on Learning & Research Support, Video Tutorials with Assessments, Publications and Research Tools / Data Sets. The majority of these features are available at no extra cost for AESS members, small cost to IEEE members and larger cost to non-members. This is a great resource which contains material generated from world experts in their field.

### Aerospace and Electronic Systems Society (AESS) Chapter

Welcome to the Swiss Chapter of the IEEE Aerospace and Electronic Systems (AES-CH), the place where electronics fly.

The petition for the chapter creation was accepted by the AESS the 28.03.2014, and the founding took place on June 2014 at the Zurich Airport in the former control tower.

We organize and support technical and networking events and meetings in Switzerland, in the form of lectures or workshops on topics related to aerospace and its electronic systems.

Depending the nature of the event we promote joint lectures with partner organizations like ION-CH, svfw and AOC-CH. We also favor links to industry and academia to strengthen the network across the aerospace field in Switzerland.

For aerospace research and technical development activities different funding possibilities are in existence:

#### Aeronautics:

Federal Office of Civil Aviation

#### Space:

Ambassador Platform / esa emits

Assistance for your ideas at Swiss Space Center Lausanne/Zurich

#### AESS Professional Networking and Mentoring Program

Mentors and Mentees have a look!

#### Next event

- 24.05.2018 ETH Zürich 17:30 - 18:45 Joint Lecture on Radar signal processing and Radar clutter models by Dr Maria S. Greco AESS Distinguished Lecturer Prof Uni Pisa
- 13.06.2018 ETH Zürich 17:30 - 18:45 Joint Lecture "A history of Radar" by Hugh Griffiths Prof UCL

YOU HAVE  
**00:05 seconds**  
TO **WOW!** ME



# Initiatives & Opportunities

**Member  
attraction**

## ■ **AESS visibility:**

- Update or set-up websites for each Chapter.
- Update the website for Student branches.
- Encourage regional chapters formation.



## ■ **AESS Members evolution:**

- Understand the patterns.
- Reach out to GSM.
- Suggest feasible benefits.

**Member  
development**



# AESS VISION 2020