



## **Fabiola Colone, VP Member Services**

**October 18-19, 2019**

**Cologne, Germany**

# Committee Members

*Chapter Coordinator*   *Grad Students Rep*

*YP Rep*



Fabiola Colone



Alfonso Farina



Francesca Filippini



Kameron Lacalli



Michael Noble



Roy Streit



Jason Williams

+ cooperations with  
other Committees  
within the BoG

# Member Services 3-Year Goals

1. Maintain close liaison with Chapters and engage chapter members in AESS events and activities
2. Promote formation of AES-Joint Society Chapters where no chapter exists
3. If financially feasible, hold a Chapter Summit every three years in conjunction with the Sections Congress meeting
4. Promote AES chapter participation in organizing conferences
5. Grow AESS membership by 1% per year
6. Increase member participation in AESS events
7. Reduce the number of member drops each year
8. Recruit student members to full membership upon graduation
9. Offer assistance to members for elevating to the next grade

# Lines of intervention

CHAPTERS

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2. Promote formation of AES-Joint Society Chapters where no chapter exists
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4. Promote AES chapter participation in organizing conferences

5. Grow AESS membership by 1% per year

SR MEMBERS

6. Increase member participation in AESS events

7. Reduce the number of member drops each year

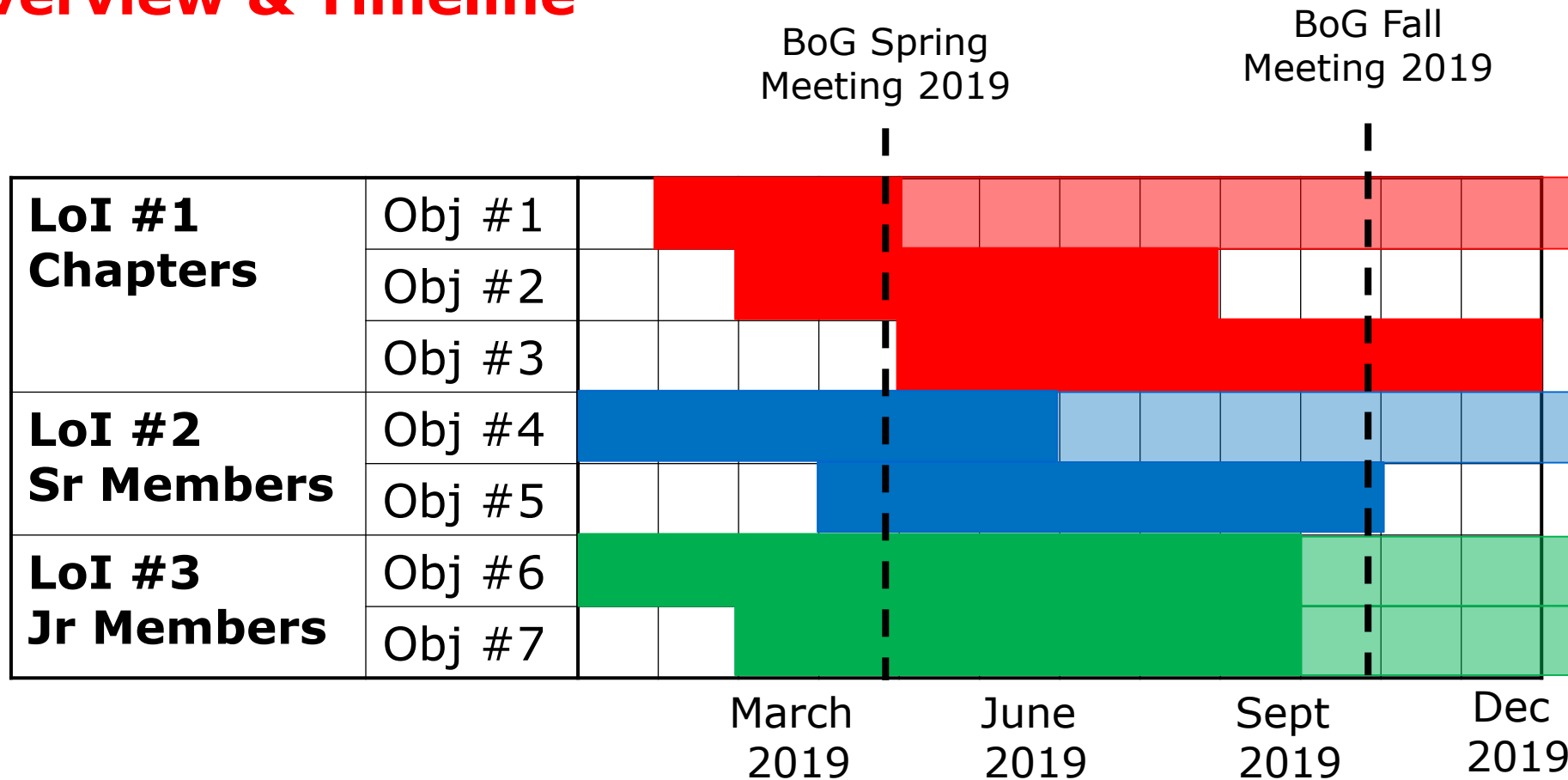
8. Recruit student members to full membership upon graduation

JR MEMBERS

Incentive to members for elevating to the next grade

# Member Services – Objectives

## Overview & Timeline



# Member Services – Objective #1

## Periodic Communications & Meetings with Chapters

**S** – Establish a pattern of periodic communications and dedicated meetings with Chapter Chairs to increase awareness in AESS events and activities.

**M** – Number of messages drafted and sent and stimulated interactions, Number of meeting held.

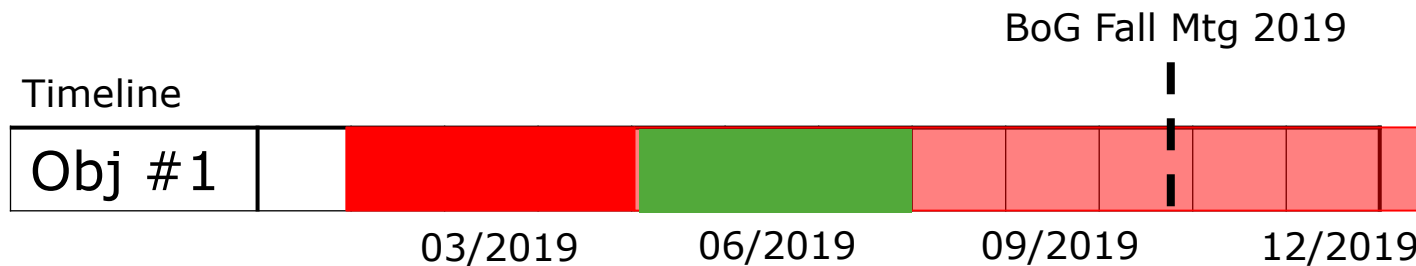
**A** – Assigned to: Williams & Colone (Lead), Farina, Lacalli, Noble + Joe Fabrizio.


**R** – Relevant to Goals 1 and 3, impact on most Goals.

**T** – 3 (+3) Months for startup, then annual.

# Member Services – Objective #1

## Tasks completed and activities in progress



- 
- First messages to Chapters Chairs drafted and sent.
  - Provided timely responses to several messages from Chapters Chairs asking for guidance on various aspects.
  - Communications from/to Chapters at risk of dissolution.
  - Organized and held the first Regional Chapter Summit in Region 8.
  - Designed and implemented effective strategies for inviting, supporting, and stimulating Chapter Chairs attendance.



# Member Services – Objective #1

## Tasks completed and activities in progress

### *First Regional Chapter Summit*

- Successful alternative to Chapter Summit at a global level.
- Take advantage of AESS related events at a Regional level.
- Can be focused on the needs of local Chapters.
- 10 Chapter Chairs in attendance
- 11 BoG members





# Member Services – Objective #1

## Tasks completed and activities in progress



- Drafting follow-up messages on
  - New «Best Chapter Award» process
  - Initiatives relevant to Chapters (Short Courses, DLs, etc.)
- Investigating the possibility of a Collabratec Group for Chapters Chairs.
- Considering new AESS web-pages dedicated to Chapters.
  
- Identifying a suitable location and schedule for the next Regional Chapter Summit.

# Member Services – Objective #2

## Best practice guidance to chapters

**S** – Review the Chapters Handbook and include guidance for best practices.

**M** – Documentation made available on the AESS website.

**A** – Assigned to: Noble (Lead), Colone, Farina, Williams.

**R** – Relevant to Goals 1-2-4.

**T** – BoG Fall Meeting for a first draft.

# Member Services – Objective #2

## Tasks completed and activities in progress

BoG Fall Mtg 2019

Timeline



- The Chapters Handbook has been revised and updated by the dedicated Committee.
- In June, it has been distributed and publicized among Chapters Chairs and published in the AESS Website.

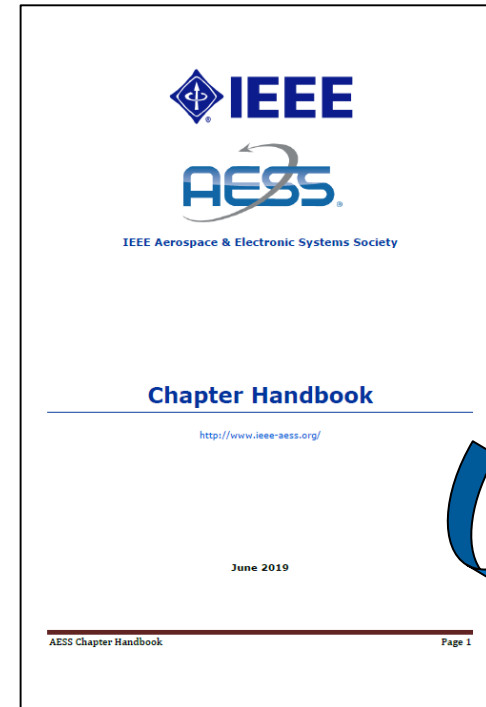
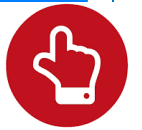


Table of Contents

I. Chapter Officer Responsibilities	4
A. Creating a New Chapter	4
B. Joint Society/Section Chapters	4
C. Chapter Requirements	5
D. Planning Successful Meetings	5
E. Leading an AESS Chapter	5
F. Gathering Membership Data	8
G. Identifying your Society and Section Leadership	8
H. Reporting Meetings	8
I. Establish a Bank Account	9
J. Reporting Chapter Officer Changes	9
II. Guidance for Planning Successful Meetings	9
A. Selecting a subject	9
B. Selecting a format	10
C. Finding a good speaker	10
D. Publicizing the meeting	11
III. Financial Support and Other Services from AESS	11
A. Support for Your Chapter Activities	12
B. Distinguished Lecturers Program	12
C. Publicity: AESS Quarterly Email Blast and AESS Web Site	13
D. AESS Chapter Chair Coordinator	13
E. AESS Board of Governors Volunteer Directories	13
IV. IEEE Section Support	14
A. Meeting Publicity	14
B. Section Financial Support	14
V. Support from Other Societies and IEEE	15
A. Other IEEE Societies and Support of Chapters	15
B. IEEE Support of Chapters and Volunteers	16
VI. Quick Access to Key Links and Documents	18

**CHAPTER HANDBOOK**

AESS Chapter Handbook Page 3



# Member Services – Objective #3

## Review of the Best Chapter of the Year Award

**S** – Review the process and requirements for assigning the Best Chapter of the Year Award and stimulate chapters nominations.

**M** – Documentation made available and number of nominations.

**A** – Assigned to: Colone (Lead), Noble, Williams + Gini.

**R** – Relevant to most Goals.

**T** – End of year.

# Member Services – Objective #3

## Tasks completed and activities in progress



- Performed analysis of the current status of the award process and identification of possible improvements.
- Designed and implemented a revised process for assigning the award



- BoG approval needed.
- Publicize the restyled process.

# Member Services – Objective #3

## Tasks completed and activities in progress

### *Proposal for the Best Chapter of the Year Award*

**Description:** To annually recognize the AESS Chapter whose performance was particularly noteworthy during the previous year.

**Eligibility:** Chapters of the AESS.

**Prize:**

**Funding:**

**Basis for Judging:**

**Presentation:**

**Chair:**

**Committee:**

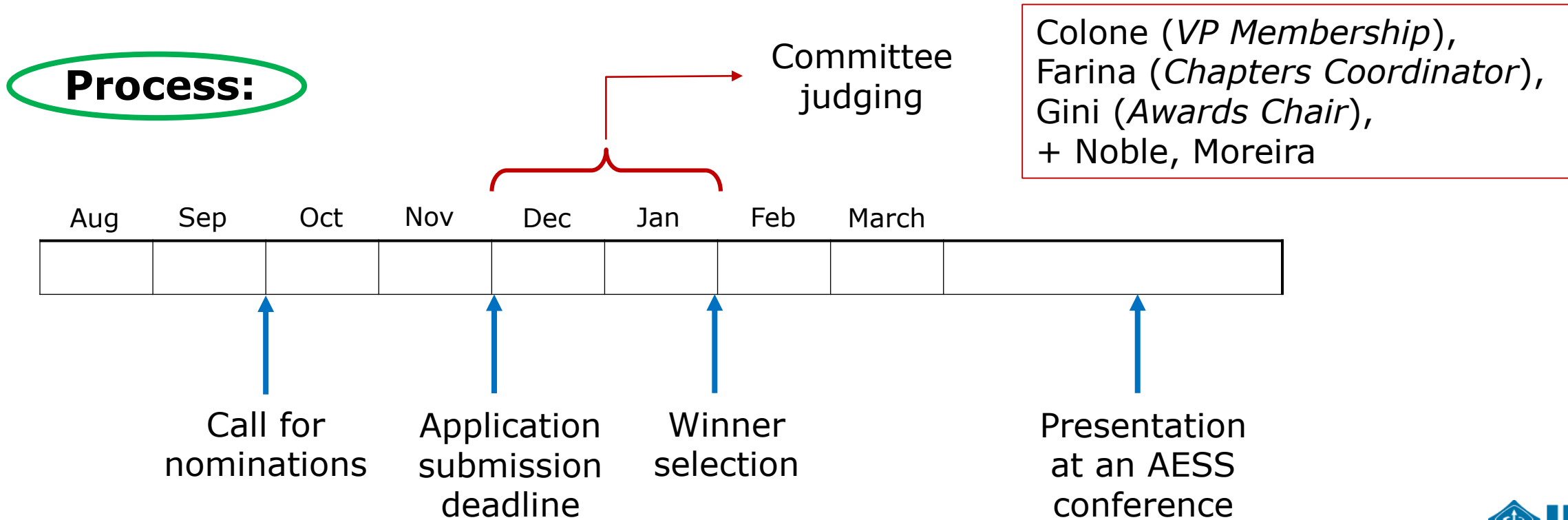
**Nomination Deadline:**

**Process:**

# Member Services – Objective #3

## Tasks completed and activities in progress

### *Proposal for the Best Chapter of the Year Award*





# Member Services – Objective #3

## Tasks completed and activities in progress

### Proposal for the Best Chapter of the Year Award

#### Basis for Judging:

Chapter's performance will be measured along the following areas:

- membership
- governance
- events
- publicity and other activities

IEEE Aerospace & Electronic Systems Society



#### 2019 Best Chapter of the Year Award Application Form

##### Instructions

This form should be filled in by the Chapter Officers and sent to

- Alfonso Farina, AESS Chapters Coordinator ([alfonso.farina@outlook.it](mailto:alfonso.farina@outlook.it))

with CC to

- Fabiola Colone, VP Member Services ([fabiola.colone@uniroma1.it](mailto:fabiola.colone@uniroma1.it))
- Judy Scharmann, AESS Executive Assistant ([j.scharmann@conferencecatalysts.com](mailto:j.scharmann@conferencecatalysts.com)).

by **January 31<sup>st</sup>, 2020.**

The application package should also include:

- the L31 form properly filled in;
- 2 letters of recommendation from AESS members;
- any other document cited in the form and/or relevant to demonstrate the Chapter activity. A list of attachments should be included in the last page of this form.

Main results achieved in the last year

Figure of merit	Qty	Comments (if needed)
<b>MEMBERSHIP</b>		
Total membership of your Chapter		
Number of new members in the last year		
Number of new student members in the last year		
Percentage growth in total membership		
Percentage of active members (participate in ≥2 events)		
<b>GOVERNANCE</b>		
Number of people actively involved in the Chapter governance		
Number of strategic meetings held		
Number of meetings attended at Section/Council/Society level		
<b>MEETINGS</b>		
Number of Distinguished Lectures		
Average attendance at DL		
Number of Short Courses		
Average attendance at Short Courses		
Number of events dedicated to students and YP		
Average attendance at events dedicated to students and YP		
Number of other events organized and/or sponsored		
Average attendance of other events		
<b>PUBLICITY and OTHER ACTIVITIES</b>		
Number of articles in the Magazine and/or the QEB		
Number of messages sent to the membership		
Number of joint activities with other Technical Societies		
Number of industry and academic engagements		
Other (please specify):		

Q1) What efforts has your Chapter made or is planning in order to improve membership diversity (gender, age, affiliation)?  
[max 250 words]

Q2) What efforts has your Chapter governance made in an effective succession plan?  
[max 250 words]

Q3) Describe the major contributions that your Chapter made in the last year, relative to this award (special initiatives, successf...)

**APPLICATION FORM**

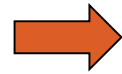
# Member Services – Objective #3

## Tasks completed and activities in progress

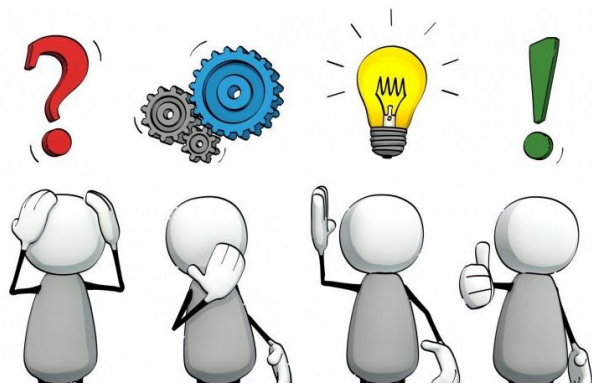
### *Proposal for the Best Chapter of the Year Award*

#### Prize:

Tangible prize together with the certificate.



**\$5,000**



- This prize is not intended for individuals
- It will be at the disposal of the Chapter for any initiative involving its members

# Member Services – Objective #3

## Tasks completed and activities in progress

### *Proposal for the Best Chapter of the Year Award*

#### 6. Chapter of the Year Award

**Description:** To annually recognize the AESS Chapter whose performance was particularly noteworthy during the previous year.

**Prize:** \$5,000 and a certificate to the Chapter  
(Or \$3,000 + travel expenses, and a certificate to the Chapter)?

**Funding:** Funded by the IEEE Aerospace and Electronic Systems Society.

**Eligibility:** Chapters of the AESS.

**Basis for Judging:** Chapter's performance will be measured along the following areas: membership (e.g. growth in total membership, percentage of active members, etc.), governance (people involved in chapter governance, strategic meeting held, etc.), events (number of Distinguished Lecturer talks, short courses organized, support to AESS conferences, etc.), publicity and other activities (number of articles published in the AESS Magazine and QEB, industry and academic engagements, etc.).

**Presentation:** At a convenient IEEE AESS sponsored conference.

**Chair:** VP Membership Services (Fabiola Colone)

**Committee:** Alfonso Farina, Fulvio Gini, Michael Noble, Laila Moreira.

**Nomination Deadline:** January 31

**Process:**

- Call for nominations: to be issued by January 31 and publicized
- Application submission deadline: by February 15
- Winner selection and notification: by March 15.

**Comment:**

The prize is not intended for individuals but will be at the disposal of the Chapter for any initiative involving its members (e.g. for supporting students, funding travel grants, enhancing local events, publicizing the Chapter, funding internal awards/contests, etc.)

Application form is available at:

**Best Chapter of the Year Award**



# Member Services – Objective #4

## Renovate publicity material and messaging

**S** – Update the publicity material and the messaging strategy we adopt to engage members in AESS initiatives. This includes QEB and AESS Website.

**M** – New layouts made available and new messaging strategy operating.

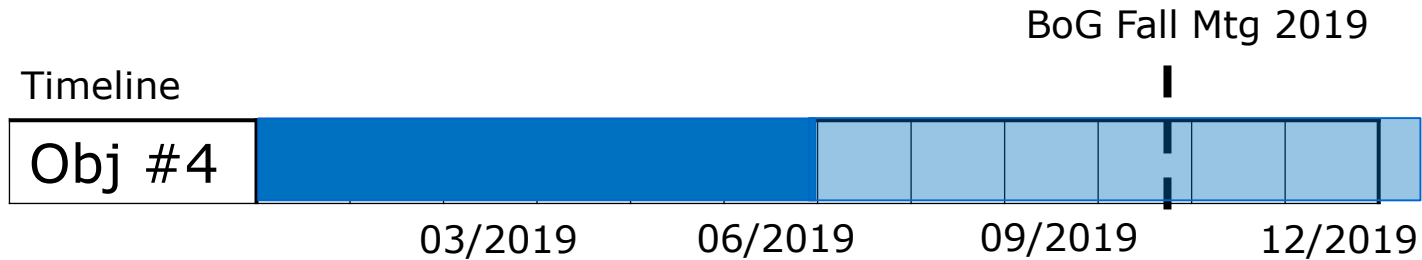
**A** – Assigned to: Colone (Lead), Filippini + Greco.

**R** – Relevant to Goals 5, 6, 7, 9.

**T** – 6 Months for startup, then continual.

# Member Services – Objective #4

## Tasks completed and activities in progress



- AESS Membership brochure improved.
- New welcome message for new and renewing members operational.
- New QEB layout adopted in the last issue.
- AESS Membership Certificates available in Collabratec.



- Improving the WebSite contents.
- Translating the QEB in Mandarin.
- Improving the publicity for awards and members elevation.

# Member Services – Objective #4

## Highlights

**JOIN US!**

We have a membership option that is right for you:


- IEEE Professional Member \$25 USD
- IEEE Student Member \$13 USD
- OR
- Society Affiliate \$98.50 USD

Savings on subscription costs for IEEE members easily pays for the cost of AESS membership.

**Contact**  
 Joe Fabrizio  
 AESS President  
 joe.fabrizio@dst.defence.gov.au

Fabiola Colone  
 VP Member Services  
 fabiola.colone@unirobot.it

Jane Buckingham  
 Executive Assistant  
 j Buckingham@conference.catalysts.com



<https://www.ieee-aess.org>



**AESS Field of Interest**

Members have professional interests in the organization, systems engineering, design, development, integration, and operation of complex systems for space, air, ocean, or ground environments. These systems include but are not limited to navigation, avionics, mobile electric power and electronics, radar, sonar, telemetry, guidance, control, automatic test simulators, and command and control systems. The AESS is the society for engineers working across the entire electronics systems domain.

### Membership Matters



<https://www.linkedin.com/groups/2912415>  
<https://www.facebook.com/IEEEAESS>  
[https://www.twitter.com/IEEE\\_AESS](https://www.twitter.com/IEEE_AESS)

*New welcome and renewing emails*



Dear Member,

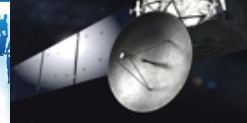
Thank you for joining the IEEE Aerospace and Electronic Systems Society (AESS). I warmly welcome you and appreciate your support.

The AESS is composed of professionals who share your technical interests. Membership allows you to:

- deepen the engagement with your technical community,
- take advantage of career development opportunities, and
- keep up-to-date with the latest scientific advancements in our fields of interest.

We will have the pleasure to inform you periodically on the many opportunities that might be relevant to you.

### Get Started!



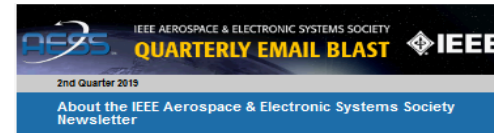
The AESS is committed to providing the highest level of service and benefits to members and affiliates in every stage of their careers.

I would like to invite you to get involved in our Society!

**AESS WELCOME**

If you have questions, suggestions or comments, please do not hesitate to contact me at [joe.fabrizio@dst](mailto:joe.fabrizio@dst).

All the best,  
 Giuseppe A. Fabrizio  
 AESS President, 2018-2019



Dear AESS Members,

In this second update of 2019 we bring you the latest on the outstanding successes of our members, and we talk about our educational activities and share with you what's on our horizon.

Among the many interesting articles included in this edition, I would like to draw your attention to the article commemorating the 50th Anniversary of Apollo Missions 8 and Apollo 11 lunar missions.

I am indebted to George T. Schmidt, AESS VP Technical Operations, for writing such a fantastic article that leverages his own experience and takes a fascinating personal perspective on the events. I warmly suggest our youngest members and all enthusiasts of history of technology to read on for the full story.

Enjoy this new edition and, if you have any input on what you would like to read about in the next editions or if you would like to contribute an article, please contact us!

Warmest regards,  
 Fabiola Colone  
 Editor-in-Chief, AESS QEB  
[fabiola.colone@unirobot.it](mailto:fabiola.colone@unirobot.it)

### The Story Behind a Success

Congratulations to Patrick McCormick, winner of the 2018 Robert T. Hill Best Dissertation Award!



[Read Story](#)



**2019 Certificate of Membership**  
 IEEE Aerospace and Electronic Systems Society

This certificate recognizes **Fabiola Colone** as a Senior Member in good standing, denoting a personal and professional commitment to the advancement of technology

...in the company of innovators worldwide

Giuseppe A. Fabrizio  
 2019 IEEE Aerospace and Electronic Systems Society President

*New QEB layout!*

**Conferences**

**2019 IEEE Radar Conference**  
 22-26 April 2019 in Boston, MA, USA.  
[Visit the Conference Website](#)

**2019 IEEE International Workshop for AeroSpace**  
 19-22 June 2019 in Torino, Italy.  
[Visit the Conference Website](#)

**2019 IEEE/AIAA 38th Digital Avionics Systems Conference (DASC)**  
 8-12 September 2019 in San Diego, California, USA.  
[Visit the Conference Website](#)

**2019 IEEE AUTOTESTCON**  
 9-12 September 2019 in National Harbor, Maryland, USA.  
[Visit the Conference Website](#)

**2019 International Carnahan Conference on Security Technology (ICCST)**  
 1-3 October 2019 in Chennai, India.  
[Visit the Conference Website](#)

Have a conference you'd like advertised in the AESS Quarterly Email Blast? Contact **Judy Schermann** for details on how to have it included. [View More Conferences](#)

*Updated AESS Membership brochure*

*Membership Certificates in Collabratec profile.*

# Member Services – Objective #5

## Establish Recognition for Reviewers

**S** – Identify and implement a feasible process to recognize the voluntary service of Reviewers.

**M** – Detailed plan on the whole procedure to be adopted.

**A** – Assigned to: Colone (Lead), Bolanos + Greco + Gini.

**R** – Relevant to Goals 5, 6, 8.

**T** – BoG Fall Meeting for first proposal

**POSTPONED**



# Member Services – Objective #6

## Engage Student Members and YPs

**S** – Identify and implement effective strategies to actively engage StMs and YPs, possibly exploiting innovative/collaborative approaches.

**M** – Number of StMs and YPs in networks to be created.

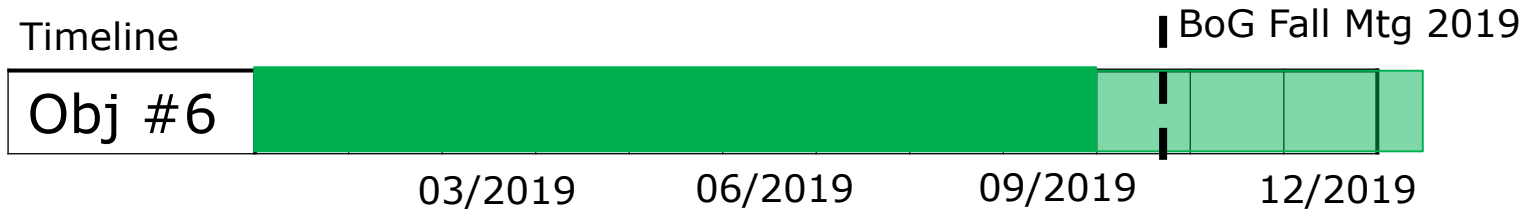
**A** – Assigned to: Lacalli & Filippini (Lead), Colone, Noble.



**R** – Relevant to Goals 5, 6, 7, 8.

**T** – BoG Fall Meeting for first report, then continual.

# Member Services – Objective #6

## Tasks completed and activities in progress



- 
- Communications to/from StMs on a continuous basis + other initiatives (Francesca)
  - YP event at IEEE Radar Conference 2019 (Boston, MA, USA)
  - YPs and StMs oriented session at the 2019 RRSW workshop in Rome (Italy)
- 
- Considering a reduction in the StM and YP membership fee (work with Finance VP to implement).
  - Looking for opportunities for other YP Events, not only at major conferences.

# Member Services – Objective #6

## Tasks completed and activities in progress

### *2019 Radar Remote Sensing Workshop in Rome (Italy)*

- 3rd Edition in the series promoted by GTTI (Italian ICT group)
- 100+ participants
- Many students or YP in attendance

**AESS supported with \$1,000 USD**

<https://sites.google.com/uniroma1.it/rrsw2019>



# Member Services – Objective #6

## Tasks completed and activities in progress

### *2019 Radar Remote Sensing Workshop in Rome (Italy)*

- Entire Session dedicated to update from IEEE AESS
- Talks by Sabrina Greco and Fabiola Colone
- AESS Italian Chapter Chair (Alfonso Farina) and Deputy (Marco Maffei) in attendance.
- Report published in the last QEB edition.

**AESS supported with \$1,000 USD**





# Member Services – Objective #6

## Tasks completed and activities in progress

*Explore the strategy of AESS support to local events*

Small support  
from AESS +  
coordination

\$1,000 USD



**2<sup>nd</sup> IEEE UK&I YP Postgrad STEM  
Research Symposium**  
(Wednesday, 23<sup>rd</sup> October 2019)



**UK & Ireland  
AESS Chapter**  
(Matthew Richie,  
Chapter Chair)



# Member Services – Objective #7

## Reinforce the Mentoring Program

**S** – Identify feasible strategy to give additional value to the Mentoring Program, an initiative dedicated to StMs and YPs.

**M** – Number of sign-up in the program.

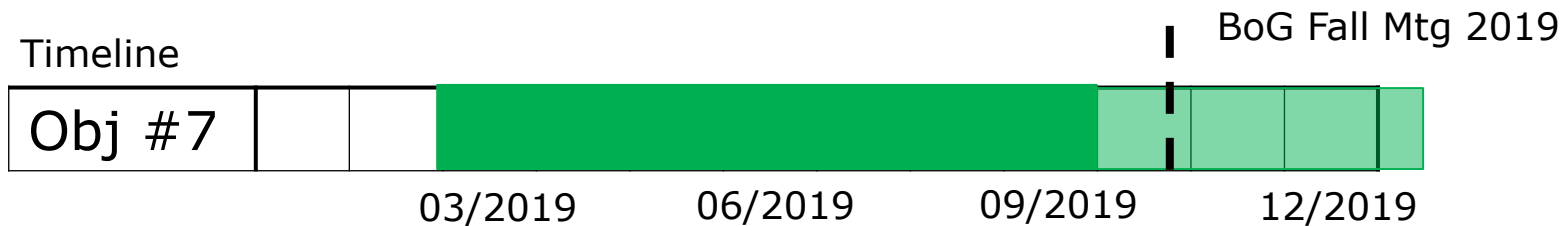
**A** – Assigned to: Colone (Lead), Filippini, Lacalli, Noble.

**R** – Relevant to Goals 5, 6, 7, 8.

**T** – BoG Fall Meeting for first report, then continual.

# Member Services – Objective #7

## Tasks completed and activities in progress



- Identified appropriate solution to simplify the registration stage.
- Publicizes the program at large events and in the QEB.
- Collected feedback from participants.



- Identifying effective strategies to speed up the registration/pairing process.
- Considering the possibility to establish grants for mentees.