



# CIE International Radar Conference Chengdu, 22 – 27 October 2011



**AEISS membership stand**



## PRESIDENT'S WELCOME MESSAGE



The Aerospace and Electronic Systems Society (AESS) offers to its members the extraordinary opportunity to become deeply connected with the three pillars of the Aerospace, Electronic and Defence sector: Industry, Institutions and Research Centers.

The effective interaction between those pillars is the key element for the organization, design, development and operation of successful Complex Systems, which are the core of the AESS Field of Interest (FoI).

AESS Complex Systems covers space, air, ocean and ground environment, including hardware, software, integration and many other aspects of the Engineering job.

The AESS Conferences, Workshops, Transactions, Magazine and Educational tools enhance and disseminate the culture of Complex Systems through the international AESS community, bringing to a large and beneficial exchange of experience and achievements among our members.

If you have questions or comments please do not hesitate to contact us.

I warmly welcome all AESS members and I look forward to welcoming in our society all IEEE non-AESS members and all Internet navigators that are visiting our website! Join us!

**AESS PRESIDENT**  
**Marina Ruggieri**

### FIELD OF INTEREST

"The field of interest shall be the organization, systems engineering, design, development, integration, and operation of complex systems for space, air, ocean, or ground environments. These systems include

### Announcements

Aerospace Systems Integration  
Engineering Technical Panel Chair  
needed!

Friday, August 26, 2011 - 07:36

All India Student Project Contest!

Wednesday, August 24, 2011 - 11:10

NASA Internship at Sikorsky Aircraft  
- Summer 2011

Monday, August 22, 2011 - 06:45

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### Calendar

September						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



## Field of Interest

“The field of interest shall be 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, military, law-enforcement, automatic test, simulators, and command and control.”



# Conferences

- International series of Radar Conferences (China, UK, Australia, France, USA)
- IEEE RadarCon series
- Aerospace Conference (Big Sky, Montana)
- AUTOTESTCON
- FUSION
- Position, Location And Navigation Systems (PLANS)
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# Publications

- AES Transactions
  - Now includes Letters (rapid publication)
- AES Magazine
- Tutorials
- Website
- Quarterly Email Blast (QEB)



## Also ...

- AES Chapters worldwide – some joint with other IEEE Societies
- Educational activities, including Video Tutorials, Student activities, Distinguished Lecture program
- Awards
- Technical Operations Panels (Radar Systems, SAR and IED Detection, Cyber Security, Tracking, Space Systems...)



# AEISS and Industry

## Individual

education (starting as a student)  
employment  
career development – keeping up to date technically  
networking  
recognition – grades of membership, awards

{ publications  
conferences  
tutorials  
:

## Industry

recruitment and retention  
career development of engineers and managers

## AEISS

grow membership  
'advancing technology for the benefit of humanity'



# AEISS and Industry

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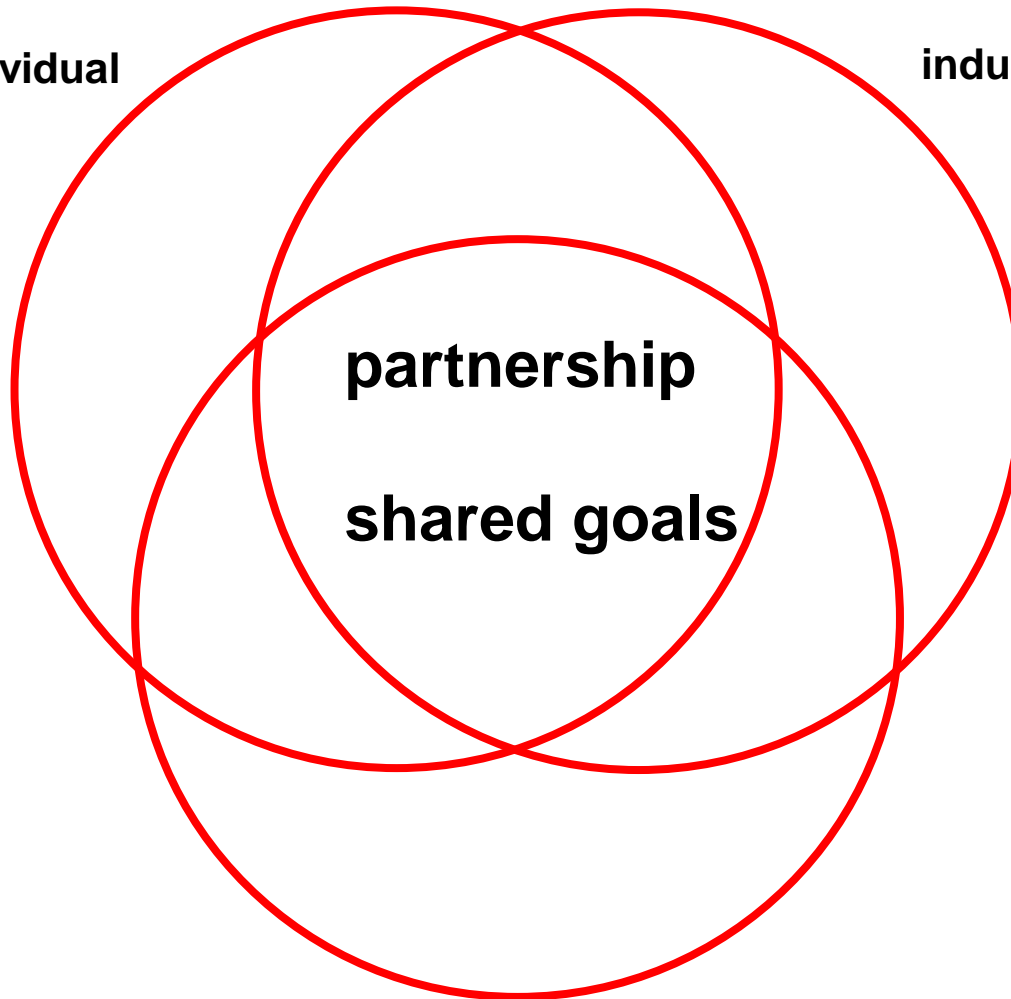




# AESS and Industry

Individual

industry



partnership

shared goals

AESS

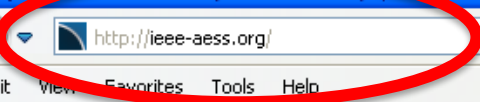


**‘A global professional home for  
engineers working in the  
aerospace and electronic  
systems domain’**

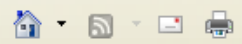


# AESS Board of Governors





http://ieee-aess.org/



# IEEE AEROSPACE & ELECTRONIC SYSTEMS SOCIETY WELCOME TO THE AESS



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- EDUCATION
- MEMBERSHIP
- PUBLICATIONS
- TECHNICAL OPERATIONS

## PRESIDENT'S WELCOME MESSAGE



The Aerospace and Electronic Systems Society offers an extraordinary opportunity to become deeply involved in the Aerospace, Electronic and Defence sectors through our Centers.

The effective interaction between those people who are involved in organization, design, development and operation of complex systems, which are the core of the AESS Field of Interest.

AESS Complex Systems covers space, air, ocean and ground environments including hardware, software, integration and many other aspects of the Engineering job.

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**AESS PRESIDENT**  
**Marina Ruggieri**

- AWARDS
- CHAPTERS
- CHAPTER CHAIR TOOLBOX
- CHAPTER LOCATOR
- STUDENT ACTIVITIES
- OPPORTUNITIES
- JOIN AESS**

## Announcements

- ESTEL 2012 Call for Papers**  
Monday, October 17, 2011 - 15:33

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- News: Electric Plane Wins NASA Green Flight Prize**  
Wednesday, October 5, 2011 - 08:49

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- 2012 IEEE Radar Conference - May 7 - 11, 2012**  
Thursday, September 29, 2011 - 06:41

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## Calendar

October						
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## Join the IEEE Aerospace and Electronic Systems Society (AESS)

### Membership Menu

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Societies and Special Interest Groups

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Member-Get-a-Member

Student Resources

This society focuses on 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, military, law-enforcement, automatic test, simulators, and command and control.

Visit the society Web site

### Your society membership brings you:

- IEEE Aerospace and Electronic Systems Magazine, 6 times/year (print & electronic)
- IEEE/OSA Journal of Lightwave Technology (online)

<p>Add IEEE AESS to your IEEE membership</p>	<p>Join IEEE and IEEE AESS as a professional member</p> <p>~~~</p> <p>Join IEEE and AESS as a student or graduate</p>	<p>Join IEEE AESS as an Affiliate</p> <p>An affiliate is a member of an IEEE society, but not of the IEEE.</p>
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需要更多的信息吗?

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所有的真理一旦被发现  
是容易理解的; 关键是  
发现它们。

—伽利略 伽利勒 (1564-1642)



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

IEEE 宇航和电子系统学会  
(AESS)



宇航和  
电子系统  
学会

会员事宜



## 欢迎!

AESS提供给它会员特别的机会适于与宇航，电子和国防部门的三大支柱：工业，院校和研究中心紧紧密地联系在一起。

这些支柱之间的有效互动是成功的复杂系统的组织，设计，研发和运行的关键元素，它是AESS关注领域的核心。

加入我们!

—玛莉娜 拉杰利，AESS主席

## 关注的领域

关注的领域应该是空间，空中，海洋，或地面环境的复杂系统的组织，系统工程，设计，研发，集成和运行。这些系统包括但并不限于导航，航空，汽车电力和电子，雷达，声纳，遥测，军事，执法，自动测试，模拟器，及指挥和控制。

## 欢迎来到AESS...

AESS是唯一的与所有集成电子系统及其实现技术打交道的专业学会。AESS倡导了大规模集成的能够共用的系统。我们与所有的技术学会和组织互动。AESS会员包含对宇航和电子系统领域具有技术兴趣的来自工业和学术界的会员。信息的联网和分享可以通过以下方式实现：

技术专业组

标准

会议和大会

出版物

分部—55个活跃在世界各地

## 新的倡议...

宇航和电子系统领域不断地在变化中。AESS通过不间断地倡议和新的思想回报她的会员

- 新的在线讲座计划
- 会刊和杂志是用及时的信息更最新的
- 认同专业会议的需求
- 通过IEEE系统联合会，IEEE传感器联合会，IEEE生物统计联合会和IEEE纳米技术联合会的合作努力
- 新的聚住学生的计划
- 世界范围的新分部的形成
- 新的技术专利的开发
- 标准的形成
- 正在进行的优异讲座计划
- 正在进行的奖励确认计划

## 加入AESS的理由...

**技术专业组：**学习，同时用参与到我们技术专业组中的一个的方式来促进未来技术的发展。

**教育：**存在多种方式与AESS在一起达到更远的你的教育追求。教育通过大会讲座，在线讲座和授课，以及遍及全球提供的优异讲座计划来提供。

**大会/会议：**以大大降低后的会员费率出席一流的，尖端会议。与工业界的专家联网和分享最好的实践。与同辈分享信息。

**出版物：**从下面的出版物存取信息和获得认同：a) 宇航和电子系统学会会刊；b) 宇航和电子系统学会杂志。所有的出版物均被同行评审和存档于IEEE数字图书馆。也得到访问附带有学会活动最新信息的AESS季度性电子邮件群发。简而言之，参与IEEE AESS将使你在你的事业中更加有效。联网和和被认同。今天就成为AESS社区的一部分吧。

