

# Report to Systems Council AdCom

*Stephanie White, Systems Council President 2018 – 2019*  
*September 21, 2018*

# IEEE Systems Council Progress, slide 1 of 3

*April 2018 – September 2018*

- ▶ Financially healthy
- ▶ Systems Journal has excellent Impact Factor
- ▶ J-MASS Call for Papers published
- ▶ Potential new conference
- ▶ New SysC Chapters “in the works”
- ▶ New Technical Committee Activities
- ▶ R&A rep to SysC on IEEE Brain Transition Subcommittee

# Systems Council Progress, slide 2 of 3

*April 2018 – September 2018*

- ▶ Four new Distinguished Lecturers (DLs) proposed
- ▶ DL Talks given & scheduled
- ▶ Awards planned
- ▶ Newsletter published
- ▶ Return on Investment (ROI) document for member societies
- ▶ Announcements flyer
- ▶ Updated Bylaws

# Systems Council Progress, slide 3 of 3

*April 2018 – September 2018*

- ▶ TAB Young Professionals Program led by our SysC YP
- ▶ Listened to AdCom WGs & created an Action Plan
- ▶ Progress made on Action Plan

## August 2018 Highlights from Executive Director Welby Report to BoD

- ▶ IEEE Membership - positive growth and positive renewal rates (374,778 members).
- ▶ Strong Graduate Student Membership (GSM) growth & retention
- ▶ Best-performing Higher Grade recruitment in July since 2013.
- ▶ Overall retention rates ahead in all Regions.
- ▶ Undergraduate retention behind overall, driven by declines in Regions 8 and 10, which have the largest number of student members.

# *TAB Meeting, June 2018*

- TAB AdHoc Committees
- Best Practices
- IEEE Roadmaps Strategy & Governance (IRSG)
- Continue Financial Transparency
- Simplify & Clarify Contracts Approvals Process
- PSPB Strategic Plan
- Young Professionals



# TAB Ad Hoc Committees

*Reports to TAB Management Committee, Summary Report to TAB in November*

Ad Hoc Committee on Contracts Approval (Moran)

Ad Hoc Committee on Entrepreneurship/MGA Affinity Group (Lowery)

Ad Hoc Committee on Global Society Interaction (Ogorzalek)

Ad Hoc Committee on Financial Artifacts (Vig)

Ad Hoc Committee on Member Sign-up (Vig)

Ad Hoc Committee on S/C Financial Guidance/Development (Clout)

Ad Hoc Committee on Hardware Roadmap Exploration (Williams)

Ad Hoc Committee on Initiatives Impact/Bounded Rationality (Donahoe)

Ad Hoc Committee on Speakers Bureau (Kumar)

Ad Hoc Committee on TechEthics (Boesl)

Ad Hoc Committee on Educational Activities (Saha)

Ad Hoc Committee on Best Practices (Condry)

Ad Hoc Committee on Membership Models (Desmond)

Ad Hoc IEEE Roadmaps Committee (Kumar)

# Best Practices AdHoc

*Michael Condry, Chair*

- ▶ Goal: Make volunteering easier, a challenge for all of us.
- ▶ Key challenges: getting things done by volunteers with less experiences
- ▶ Focusing on **enumerating Society / Council tools for fall TAB meeting**
- ▶ Then determine what is needed to support them
- ▶ **Asking S/C(s) for a list of tools for broader use**, and a very short summary of their function

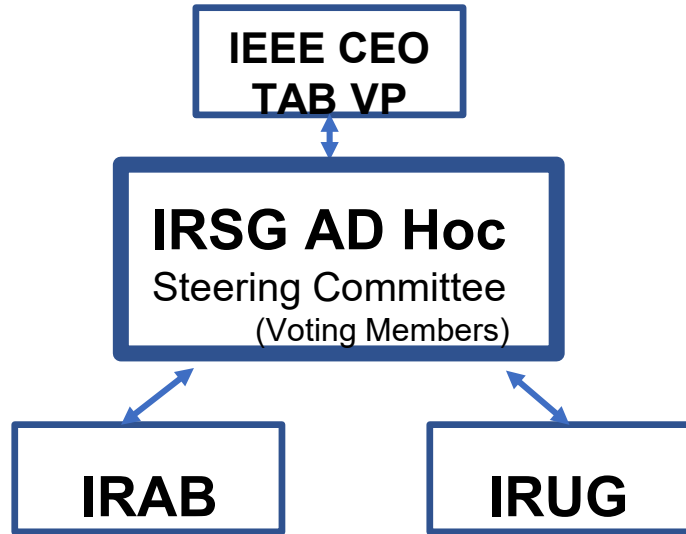


# The IEEE Roadmaps Strategy and Governance (IRSG)

## *Ad hoc Committee*

- ▶ Roadmap AdHoc Committee - IEEE Roadmaps Strategy and Governance (IRSG)
- ▶ Support new and existing IEEE road maps
- ▶ Set up infrastructure to aid such activities
- ▶ Establish improved road map distribution & collaboration within IEEE and beyond

# IRSG AdHoc Structure



**IRSG contains two non voting bodies**

- **An Industry Advisory Board (IRAB )**
- **An IEEE Roadmaps Users Group (IRUG)**

# IEEE Releases the International Roadmap for Devices and Systems (IRDS)

- ▶ "This is the first comprehensive roadmap of the electronics industry that starts by addressing applications needs, and then drills down all the way to identifying materials, device and manufacturing needs. At a time when the industry is at an historic inflection point, the IRDS 2017 roadmap points the way to the future ..." IEEE Fellow Thomas M. Conte

# Future Directions Committee

## *Six Active Initiatives*

- ▶ [rebooting computing](#)
- ▶ [symbiotic autonomous systems](#)
- ▶ [5G](#)
- ▶ [digital reality](#)
- ▶ [brain](#)
- ▶ [blockchain](#)
- ▶ The committee is focusing on road maps, environmental engineering, & the interactive Technology Time Machine Symposium, 10/31 & 11/1 in San Diego

# TMC Approval of Future Directions Transitions Strategy

- ▶ Ten new initiatives graduated
  - Various degrees of success and sustainability
  - Major investment in money and time
- ▶ Challenges included:
  - High dependency on S/Cs for continued funding
- ▶ Need easier, more stable transition vs. complete hand-off
- ▶ TMC approved reallocation of \$150K from TMC to FDC for transitional funding

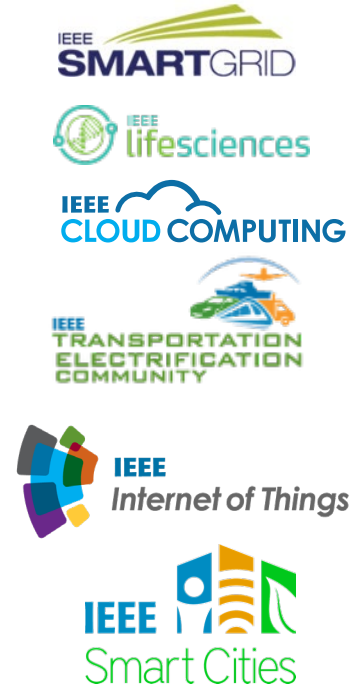
**Focus for Transition Funding for FDC will be on Projects that Fund Revenue Generating Product(s) or Service(s)**

# FDC Initiatives

Eligible



**SMART MATERIALS**



Incubation

**Maturity Level**

Graduated

[ieee.org/futuredirections](http://ieee.org/futuredirections)

## Contracts Approval Adhoc Committee

- ▶ Overall Goal – Timely approval of conference & meeting contracts
- ▶ Some Tactical Goals
  - Fastlane approval for low-risk contracts
  - Separate compliance, liability, and legal issues from business issues and assign review to appropriate expert
  - Delegate final purchase decisions (i.e. risk acceptance) to the closest practical level to the procurement

# Young Professionals (YP)

*IEEE's next generation of tech leaders*

- ▶ Forty-two IEEE societies and councils established YP programs
- ▶ Each is working to build activity portfolios that demonstrate their value to IEEE's next generation
- ▶ YP representatives have met monthly since February to build best practices and collectively share experiences
- ▶ Systems Council YP, James Ritchie, is TAB YP Program Lead and spoke to TAB in June



# Comments & Questions