

2019 President's Message (Edited Version for SysCon)

Cecilia Metra

2019 IEEE Computer Society ExCom

June 6, 2019



Main Objectives (from February 2019 BoG)

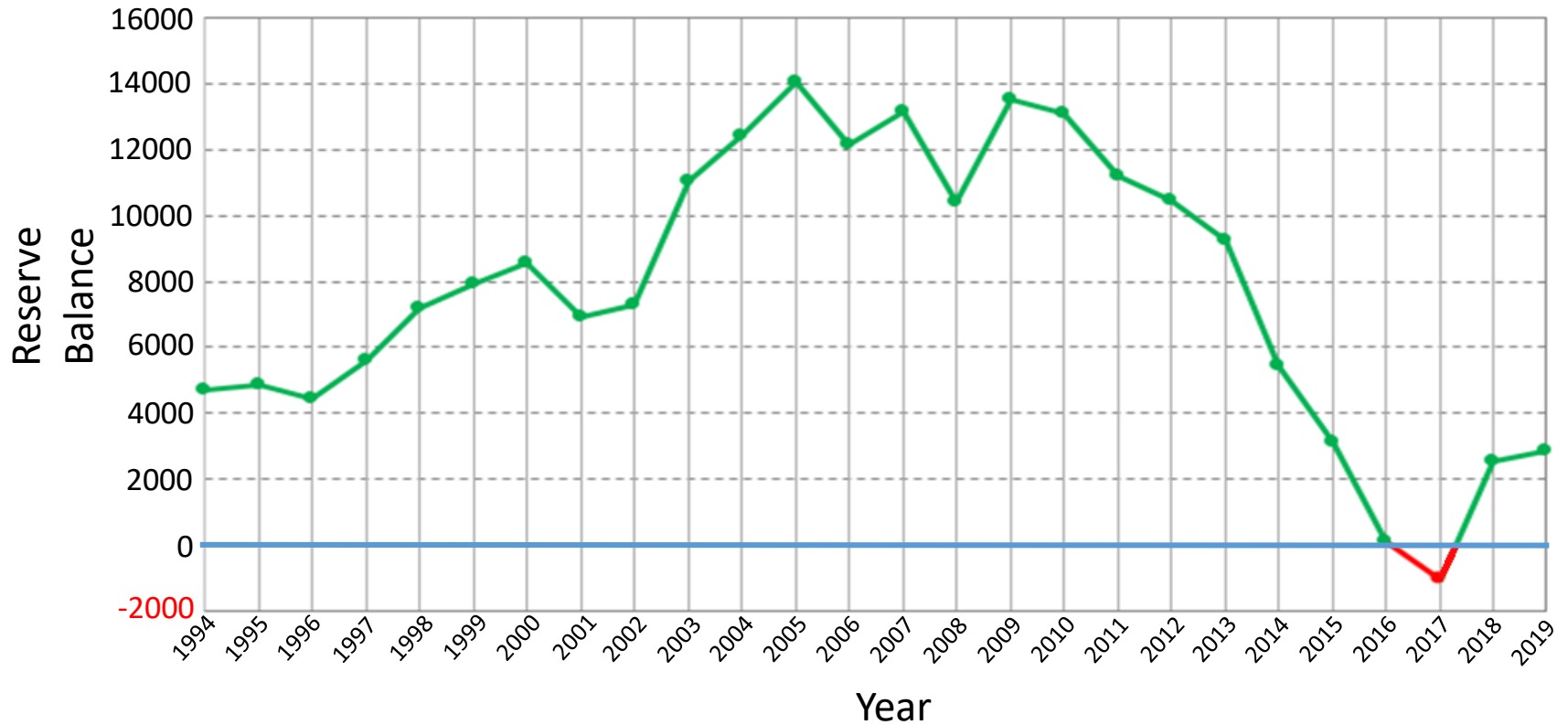
- ▶ **Shared by 2019 ExCom, FinCom, BoG and Staff** (*and consistent with CS Strategic Plan 2018-2020*):
 - **Financial Sustainability**
 - **Member Diversity and Inclusiveness**
 - **Member Improved Satisfaction**
 - **Technical Quality Boost in all activities**

Financial Sustainability

From February BoG with updates (written in red)

- ▶ 2019 budget (voted in 2018) to enable the CS to at least **break even by December 2019** (as mandated by the IEEE)
- ▶ Estimate on **2018 actual data** (available early March 2019) is **optimistic**
→ *We ended positive of over 3M \$ → payment of the 1,060M \$ debt in reserves and put 2,557 M \$ in reserves*
- ▶ Continuation of a **cautious approach** in all activities till availability of 2018 actual data
→ *Modifications of the budget to finance specific projects (TC Chair requests, TC Chairs in person meeting, Education, Young Women Conf. grants, 3rd BoG in person meeting)*
- ▶ Continue to foster **transparent and in-depth understanding of CS finances** at all governing and volunteer levels (governance, EICs, TC Chairs, IEEE S/C repres, etc) → *Presentations to EICs (at the IEEE Panel of Editors), to TC Chairs (telco)*
- ▶ Possible exploitation (sell/lease) of the (or part of) **California building** to pay the **CS debt at IEEE TAB (1.060k \$)** and start re-building reserves

Financial Sustainability: Reserves



Member Diversity and Inclusiveness (from February 2019 BoG)

- ▶ **Gender:**
 - Female/Male membership distribution
- ▶ **Age:**
 - Members' age distribution
- ▶ **Geographical location:**
 - Membership current regional distribution
- ▶ **Affiliation:**
 - Industry/Academia membership distribution

Member Diversity and Inclusiveness

From February BoG with updates (written in red)

▶ Gender, age, geographical location, affiliation:

- Diverse, highly competent representation in all Committees (e.g., Evaluation Committees, ExCom of Program Boards, IEEE CS representatives, etc) – *by all Boards*

▶ Gender:

- Enhance cooperation with IEEE WIE affinity group – *by all Boards and CS repres at IEEE WIE*
→ *Ramalatha's: participation to the WIE in person meeting; organization of a Special Session at a Conf (finalized); possible organization of Returning Model Webinars (to be organized)*

- Maybe entitle a current CS award to the name of a woman – *by all Boards and Award Committee*

→ *Naming the Pioneer award to a woman (to be finalized today/tomorrow)*

Additional Project: Confs' participation grants for Young Women in geographical areas where women have particular problems (ATS19, Calcutta (India) + EWDTs19, Batumi (Georgia) + additional confs?)

▶ Age (Young Generations):

- Innovative and interactive communication media (social, videos, apps, blogs, etc) – *by all Boards*

- Enhance cooperation with students and IEEE YP affinity group – *by MGA Board and CS repres at IEEE YP*

- Special contests at Conferences - *by the T&C Board*

Member Diversity and Inclusiveness

From February BoG with updates (written in red)

▶ Geographical location:

- Analyze the diverse needs of members in diverse continents – *by MGA Board*
- ***AdHoc addressing this issue lead by Forrest (final recommendations presented today + implementations to be discussed tomorrow)***
- Additional Project: Multilanguage translation of some content for members (not started yet)***
- Additional Project from the IEEE President: Education for Africa (to be discussed, next slide)***
- Explore innovative conference models (remote participation, live streaming, etc) - *by T&C Board*

▶ Affiliation (industry):

- Enhance existing collaboration programs with Companies in Asia - *by all Boards*
- Explore new collaboration programs with Companies worldwide - *by all Boards*
- ***AdHoc addressing how to enhance industry engagement lead by Riccardo (final recommendations presented today + implementations to be discussed tomorrow)***
- Create Corporate partnership programs – *by MGA Board*
- Promote the use of, and review current educational products for professional development - *by PEAB Board*
- Publicize existing CS standards - *by Standard Board*
- Lead the development of new standards on topics of emerging interest - *by Standard Board*

IEEE Education in Africa: Received Proposal

- ▶ Proposal received (by email) from the *Chair of the 2016-2017 IEEE TAB Adhoc Committee on Africa and Education, member of the IEEE Working Group on Africa and Education*, currently working on *a proposal to the IEEE New Initiatives Program* for continuing education and professional development of engineering professionals in Africa. From the received email:
 - *“Each Society sends a **distinguished lecturer (DL) every year**, to visit one or 2 or 3 countries.*
 - *The DL would give a lecture (or a one day, or a half day course) in each country.*
 - *Each Society commitment will be for **3 years starting around or after July 1 2019, or in January 2020***
 - *The expenses will be around **\$6000 to \$10,000 per year.***
 - *If the budget of a Society does not allow this expenditure in a certain year, **this Society may opt to not participate in the program that year.***
 - *The lecture is to be **videotaped and the educational material should be made free and accessible to all people around the world to access.***
 - *There exists now an IEEE ADHoc committee on Activities in Africa , AHCA. It will end its term at the end of 2019 .*
 - ***A different working group has been formed** and it is now applying to IEEE for funding for Africa and Education, and I expect it will be successful in getting funded and would be formed by the end of this summer, 2019 .*
 - *The logistics of the DL visit in 2019 will be handled by the (existing) IEEE AdHoc committee on Activities in Africa(AHCA) , or by the newly formed AdHoc committee on Africa and Education.*
 - *The countries AHCA and the new committee are involved with are **Kenya, Uganda, Rwanda , Ghana and Zambia.** However if a society wants its Distinguished lecturer to visit a different African country , this could be possible.”*

Member Improved Satisfaction

From February BoG with updates (written in red)

▶ Listen to:

- Users (members and non-members) of our services:
 - **Survey form to assess CS-provided services (from March 1st) – by all Boards**
→ Started on March 8th, so far: 70 submitted forms, 7 returned all rating Excellent
Additional project: start a new STC on Reliable, Safe, Secure and Time Deterministic Intelligent Systems (approved!)
- Members:
 - Survey form for all CS members and non-members – *by MGA Board*
- Volunteers:
 - Survey form for Standard Committee members – *by Standard Board*
 - EICs in-person meeting (no budget impact) at the IEEE Panel of Editors – *by Pubs Board*
→ Done (at IEEE POE) from EIC budget
 - If possible, TC Chairs in-person meeting (no budget impact) – *by T&C Board*
→ Budget allocation and invitation to Miami for Wednesday (included award dinner), but unavailable TC Chairs
- Authors:
 - New CS only-OA periodical (recommended also by IEEE TAB) – *by Pubs Board*
→ Approved and going on
- Governance:
 - If possible, re-establish the November BoG in-person meeting – *by all Boards*

Member Improved Satisfaction

From February BoG with updates (written in red)

▶ Acknowledge more:

- Volunteers:

- Increase recognition by Golden Core Members, Meritorious Service Awards, Certificates of Appreciation - *by all Boards*

→ Going on

- Chapter Incentive Program (CHIP) – *by MGA Board*
- Associate Editors and EICs' recognition – *by Pubs Board*

→ Going on

- Best Standard Contributor award – *by Standard Board*

- Authors:

- Best Paper Award for CS publications - *by Pubs Board*

Technical Quality Boost in all Activities

From February BoG with updates (to be written in red)

▶ Guarantee:

- High expert representativeness in all Committees – *by all Boards*

▶ Preserve:

- High technical quality in accepted papers (Journals and Proceedings) – *by Pubs Board and the T&C Board*
- High technical quality in educational products (e-learning course, certification program) – *by PEAB Board*
- High technical quality in standards – *by Standard Board*
- Technical excellence in CS and MGA awards/grants - *by Award Committee and MGA*
- Technical excellence in IEEE Fellow programs – *by the Fellow Committee* → **Continuing**

▶ Foster:

- CS Technical leadership on emerging technical areas – *by all Boards*
→ **AdHocs on such areas' identification lead by Avi, and on Digital Health lead by Sumi (final recommendations at the August BoG)**
- CS Development of new standards on topics of emerging interest - *by Standard Board*
- High technical quality large (federated) Conferences – *by T&C Boards*
- High technical quality audio-video content on the CS website – *by all Boards, IAB, RAB*
- High technical quality webinars for all members – *by all Boards, IAB, RAB*
- Cooperation with other IEEE S/C – *by all Boards and CS repr at IEEE S/C*
- Cooperation with IEEE Future Direction Comm – *by all Boards and CS repr at IEEE FDC*
→ **Small Project to IEEE Future Direction Initiative on “Reliable, Safe, Secure and Time Deterministic Intelligent Systems” (to be finalized together)**
- Visibility of MGA Awards/grants and CS Awards – *by MGA and Award Committee*
→ **CS Award ceremony videos to be posted on the website, social**

Goals from the Reminder of the Year

- ▶ IEEE Small Project proposal → *Technical Quality Boost*
- ▶ Activity of the new STC → *Technical Quality Boost*
- ▶ Implementation of AdHoc recommendations for Enhance Industry Engagement → *Member Diversity and Inclusiveness*
- ▶ Innovative and interactive communication media (social, videos, apps, blogs, etc) → *Member Diversity and Inclusiveness*
- ▶ Explore innovative meeting models (industry focus, remote participation, live streaming, etc) → *Member Diversity and Inclusiveness*
- ▶ Implementation of AdHoc recommendations for Members' diverse needs in diverse geographical areas → *Member Diversity and Inclusiveness*
- ▶ Multilanguage initiative → *Member Diversity and Inclusiveness*
- ▶ Initiative for Education in Africa → *Member Diversity and Inclusiveness*

2019 President's Message

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June 6, 2019



2019 Computer Society PEAB Motion

Kunio Uchiyama, VP PEAB



Background

- In May 1, 2013 IEEE CS signed an agreement with Stevens Institute of Technology and the International Council of Systems Engineering (INCOSE) to work on two bodies of knowledge:
 - 1) SEBoK (Systems Engineering Body of Knowledge)
 - 2) GRCSE (Graduate Reference Curriculum for Systems Engineering)
- INCOSE and Stevens contributed \$50K and IEEE CS contributed \$25K annually in 2013, 2014 and 2015
- In the event that this agreement is terminated with respect to IEEE-CS or INCOSE, all right, title and interest granted to IEEE-CS or INCOSE by Stevens shall revert back to Stevens, including transfer of all copyrights thereto
- **The area covered by the System Engineering is much wider than Software Engineering and IT, that it would be difficult for the Computer Society to lead the full-spectrum of BKCASE activities**

Motion

MOVED, that the PEAB of the IEEE Computer Society approves the transfer of the system engineering management bodies of knowledge which includes the assets of the System Engineering Body of Knowledge (SEBoK) and Graduate Reference Curriculum for Systems Engineering (GRCSE) from the IEEE Computer Society to the IEEE Systems Council by the end of 2019. Assets transferred will include the wiki works site, any derivative works and any new financial obligations to the systems council. Also, there will no transfer of funds associated with this motion to the Systems Council.