IEEE Systems Council

Fall 2023 Officers Meeting

31 August – 1 September 2023

Welcome!

Use your room log in to connect to the internet.

Meeting Info and Agenda

Agenda

- 7:00 – 8:00 AM Breakfast in Presidential Room
- Call to Order
  - Welcome and Introductions
  - Approval of Minutes and Agenda
- President's Update
- Officer's Reports
  - N&A
  - Member Services
  - Publications
  - Tech Ops
  - Conferences
  - Finance and Budget
  - Awards
- Strategic Planning Meeting – December 8-9
- New Business
- 12:00 PM-1:00 PM Lunch in Azalea 1

IEEE Systems Council

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Agenda – Day 1

- ~~12:00-1:00 PM Lunch in Azalea 1~~
- 1:00-5:00 PM Meeting in Presidential Room
- **Welcome**
  - **Call to Order and Introductions**
  - **Approval of Minutes and Agenda**
- Nominations and Appointments
- President's Message
- Finance and Budget
- Awards
- Conferences
- Break/Photo
- Technical Operations /Standards/Education

Thank You

Stephen “Jack” Dyer

PAST PRESIDENT

Thank You

Steve Holt

VP Tech Ops, Education Committee Chair, Standards Committee Chair

Thank You

Paolo Carbone

VP Publications

Thank You

Andy Chen

VP Conferences

Thank You

Jeff Rubin

VP Finance

Thank You

Member Society Reps Terming Out

Rajiv Joshi

CAS Rep

Chih-Peng Fan

CTSoc Rep

Lucio Ciabattoni

CTSoc Rep

Amir Aghdam

CSS Rep

Aylin Yenner

ITS Rep

Mark Wehde

TEMS Rep

Agenda – Day 1

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IEEE Systems Council
Nominations and Appointments

Walt Downing, Jack Dyer

Fall 2023 AdCom Meeting

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Nominations and Appointments Committee

Members:

Kim Fowler
Jack Dyer (chair)

Positions To Be Selected at This Meeting

- President-Elect (2024)
- Vice President–Publications (2024–2025)
- Vice President–Finance (2024–2025)
- Vice President–Technical Operations (2024–2025)
- [Dependent upon selection of President-Elect]

  Vice President–Conferences (2024–2025)
- Chair, Fellows Evaluation Committee (2024)
- Editor-in-Chief, IEEE Systems Journal (2024–2025)

Additional Open Positions

- Young Professionals Representative

President-Elect

Andy Chen

Vote: President-Elect

- Candidates for President-Elect for the 2024 term:
  - Andy Chen
  - *Nominations from the floor*

VP–Publications

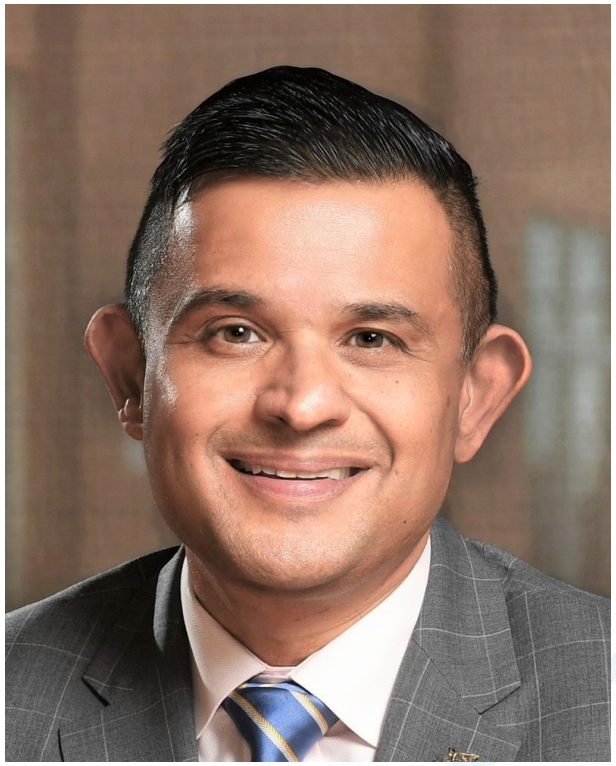
Fabrice Labeau

Vote: VP–Publications

- Candidates for VP–Publications for the 2024–2025 term:
  - Fabrice Labeau
  - *Nominations from the floor*

VP–Finance

Shreekanth
Mandayam



Vote: VP–Finance

- Candidates for VP–Finance for the 2024–2025 term:
  - Shreekanth Mandayam
  - *Nominations from the floor*

VP–Technical Operations

Andre Oboler

Vote: VP–Technical Operations

- Candidates for VP–Technical Operations for the 2024–2025 term:
  - Andre Oboler
  - *Nominations from the floor*

VP–Conferences

Paolo Carbone

Vote: VP–Conferences

- Candidates for VP–Conferences for the 2024–2025 term:
  - Paolo Carbone
  - *Nominations from the floor*

Motion: Appointment of the IEEE Systems Journal EiC

- The Nominations and Appointments Committee moves to endorse the appointment of Amir G. Aghdam as the Editor-in-Chief of the IEEE Systems Journal for the term of 2024–2025.

Motion: Appointment of the 2024 Fellows Evaluation Committee Chair

Steve Butler

Motion: Appointment of the 2024 Fellows Evaluation Committee Chair

- The Nominations and Appointments Committee moves to approve the presidential appointment of Steve Butler as the Systems Council Fellows Evaluation Chair for 2024.

2024 Fellows Evaluation Committee

- Chair – Steve Butler
- Members – Katie Wilson, Dale Blair, John Baras, and Armando Colombo

- CFEC – Steve Butler and Katie Wilson

Multi-Society Cohorts

CFEC Formation

Division	1	2	4	6	9	10	Total
	CEDA=16.7	DEI=4.7	BT=2.3	EDU=6.3	AES=17.3	BIO=3.3	
	NANO=7.7	EP=4.7	CE=5.3	PC=0	GRS=19.0	SEN=7.0	
		IM=5.0	CSC=3.7	PSE=1.0	OE=3.0	SMC=13.7	
		UFFC=12.3	EMC=5.3	RL=4.3	39.3	SYsC=4.0	
			MAG=11.3	SIT=0.7	IT=10.3		
			NPS=9.0	TEM=3.7	ITS=6.3		
			RFID=0.3		VT=19.3		
					35.9		
#Nom.	24.3	26.7	37.3	16	75.3	28.0	207.7

- Seven (7) multi-society cohorts + 17 single-society cohorts
- Councils in yellow
- #Nom – average number for past 3 cycles (counting evaluation societies)
- Update averages every year before next cycle.

IEEE Proprietary

CFEC members

CFEC Formation

- CFEC - Cohort Fellow Elevation Committee
- Each society (or council) indicates their representatives in the CFEC
  - 2 representatives for #Nom <10, 3 representatives for #Nom >=10 **(probably revisit later)**
  - Chair plus 1 or 2 other representatives from their current FEC
  - Recommendation: reduce workload of the non-chair representatives in the S/TC FEC to take into account their increased workload as members of the CFEC

IEEE Proprietary

2024 Fellows: Changes to Deadlines

- **September 1 -** Fellows Evaluation Committee and Cohort Fellows Evaluation Committee by September 1, 2023 - moved up from January 31, 2024.
- **December 31 -** Compliance training completed by all process participants by December 31, 2023
- **February 7 -** Nomination deadline moving from March 1, 2024, to February 7, 2024

2024 Young Professionals Appointment

- Open call for YP reps
- Submit to Walt Downing by September 30
- Potential Reps
  - Garrett Jares
  - Behnoosh Meskoob

IEEE Systems Council
President's Report

Walt Downing

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Current Status & Achievements

- 20 member societies (added RS & EMCS)
- ~22,000 individual participants
- 23 chapters and 17 student branch chapters
- In-person conferences resume (facing challenges)
- Publications - ISJ, J-MASS, OJSE, SEBoK, and others
- Best paper awards (conferences and journals)
- Awarded 2 scholarships (James O. Gray & first professional degree)
- Initiated awards for chapter and student branch chapter of the year
- Launched online distinguished lecture series
- Initiated history column
- Website upgrade underway

Challenges

- Revenue sources are threatened
  - Conferences
    - In-person attendance has not returned to pre-pandemic levels
    - Hybrid conferences are complex, expensive, and can erode in-person participation
    - Hotel and food/beverage costs have risen significantly
  - Publications
    - Open access uncertainties
    - Overlap of topics in related technical fields-of-interest
    - Proliferation of new publications
- Professional society membership numbers
  - Growth in student membership, but conversion to regular membership needs improvement
  - Pressure to reduce membership fees (SYSC membership is free)
  - Some interest within TAB to allow Councils to have individual members with voting rights
- Lack of volunteers and shortage of volunteer time

Action Items

- Election of officers (this meeting)
- Approval of Fellows Evaluation Committee (this meeting)
- Appointment of other positions for 2024 (seeking volunteers and nominees)
- Finalize 2024 budget
- Identify opportunities for collaboration with member societies
- HKN Student Leadership Conference (Houston, November 2-5, 2023)
- RASSE (Kerala, India, November 8-11, 2023)
- 2024 strategic planning meeting (Orlando area, December 8-9, 2023)
- SYSCON (Montreal, April 17-21, 2024)

Motion

- The Life Member Committee moves that SYSC support the inaugural IEEE Life Member Conference in Austin, Texas on April 14-16, 2024 as a silver sponsor.
- Pros:
  - Branding and visibility of SYSC among this community of potential volunteers
  - Exhibit booth and conference bag stuffers
  - Ticket for one conference attendee
  - Recognition on the conference website
  - Recognition of from the stage
- Cons:
  - Cost of the sponsorship
- Financial Implications: $5,000 USD
- Background: The Chair of the IEEE Life Member Committee asked SYSC to support this event.

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- Awards
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IEEE Systems Council
Finance and Budget

Jeff Rubin, Bob Rassa

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IEEE Systems Council
Awards

Bob Rassa

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Updates to Scholarships

- Currently, both scholarships are branded as the James O. Gray Scholarship
- Submitted to TABARC on August 7, 2023
  - Undergraduate
    - Name changed to IEEE Systems Council Engineering Undergraduate Scholarship
    - Increased from one $5,000 to two $5,000 scholarships annually
  - Graduate
    - Increased to $6,000 annually (recommended and approved by the IEEE Foundation)
  - Will be decided at/around the time of the November TAB Meeting Series
- Updated Deadlines
  - Application period opens – January 1
  - Submission Deadline – December 31
  - Selection by committee – March 1
  - Notification of Winner – the same week the selection is made
  - Presentation - At one of the IEEE Systems Council-sponsored conferences or one Council's member societies

Outstanding Service Award

- Not selected for 2023

Chapter and Student Branch Chapter of the Year Award

- Will be award for the first time in 2024
- Schedule
  - Application Period Opens: 1 December annually
  - Submission Deadline: 31 January annually
  - Selection of Chapter: 28 February annually
  - Notification of Chapter: 1 March annually
  - Presentation of Award: At one of the IEEE Systems Council-sponsored conferences

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IEEE Systems Council
VP Conferences

Andy Chen

Fall 2023 AdCom Meeting

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Current Status & Achievements

- 2023 Conferences Overview
  - SYSCON 2023
    - 141 Registrations
    - 103 Published Papers
  - RASSE 2023
    - November 8-11, 2023
    - Saintgits College of Engineering (Autonomous), Kerala, India
    - 220 Papers Submitted to Date
      - The paper deadline was August 20th
      - Accept/Rejection Notifications will be sent September 11th
    - IEEE Kerala Section approved technically sponsorship

IEEE RASSE 2023

IEEE RASSE 2023

IEEE International Conference on Recent Advances in Systems Science and Engineering

November 8-9, 2023 // Saintgits College of Engineering (Autonomous) // Kerala, India

SAINTGITS

IEEE

CALL FOR PAPERS

SUBMISSION DEADLINES

June 2, 2023
Full Paper Initial Submission,
Special Session Proposal Deadline,
Tutorial Proposal Deadline,
Industrial Forum Initial Submission,
PhD Forum Initial Submission

August 4, 2023
Acceptance Notification

September 1, 2023
Final Manuscript Deadline,
Author Registration Deadline

ORGANIZERS

General Co-chairs
Andy Chen
M D Mathew

Technical Program Co-chairs
Shiyan Hu
Sudha T

Treasurers
Josephkunju Paul C.
Usman Munawar

Regional Organizing Committee Co-chairs
Chintan Oza
Jubilant J Kizhakkethottam

Publicity Co-chairs
Vinayakumar B
Antony Joseph

Publication chair
Binson V A

Workshop Co-chairs
Pradeep C.
Mahendran N

Special Session Co-chairs
Bernard Fong
Anju Pratap

Tutorial Chair
Harinarayanan Nampoothiri M G

Industry Forum Co-chairs
Mithun Chittikappilly
Naveen John Punnoose

Ph.D. Forum Co-chairs
Arun Madhu
Ajith Ravindran

IEEE International Conference on Recent Advances in Systems Science and Engineering (RASSE) aims to create a high-profile, leading-edge, interactive forum for researchers, engineers, practitioners, and educators to exchange state-of-the-art research results and innovations, to discuss industrial practice, and to define the future research topics in all aspects of systems science and engineering. You are cordially invited to participate in this forum spanning multiple disciplines and specialty areas related to systems science and engineering, including science, technology, methodology, and applications of systems, integrated systems, cyber-physical systems, system-of-systems, etc.

The conference publishes state-of-the-art works related to all aspects of the systems science and engineering research.

The topics of interests include, but are not limited to:

- Systems Science & Engineering
- Systems-of-Systems
- Systems Architecture
- Systems Verification & Management
- Large-Scale Systems Integration
- Modeling & Simulation
- Model-Based Systems Design
- Standards and Interoperability
- Digital Twins
- Cyber-Physical Systems
- Cyber-Physical System Security
- Human-Machine-Systems (Industry 5.0)
- Autonomous Systems
- Circuits and Systems for Artificial Intelligence
- Computer and Multimedia Systems
- Signal Processing Systems
- Embedded Systems Design
- VLSI Design and CAD Systems
- Space and Communication Systems
- Wireless Communication and Network Systems
- Automotive Systems
- Robotic and Control Systems
- Medical Systems
- Biomedical and Instrumentation Systems
- Transportation Systems
- Energy and Power Electronics Systems
- Micro-Nano Electronics and Optoelectronics Systems
- Electronic Materials and Nano Devices
- Environmental Systems
- Education in Systems Engineering Big Data Processing & Internet of Things
- Metaverse Technologies and Systems
- Distributed and Decentralized Systems
- Intelligent Video Analytics and Vision Systems
- Personalized Healthcare Systems
- Green and Sustainable Systems
- Beyond CMOS: Nanoelectronics, Heterogeneous System Integration and Chiplets
- Analog and Mixed Signal Circuits and Systems
- Trusted Electronics & Hardware Security
- Computing Systems (quantum, edge & high performance)
- Sensory Circuits and Systems
- Nonlinear Systems and Circuit Theory
- Microwave, mmWave, Terahertz systems
- Neural Networks and Neuromorphic Engineering
- Autonomous Vehicles & Systems

**An extended and expanded version of accepted RASSE 2023 papers can be submitted to the IEEE Systems Journal.*

RASSE 2023 solicits original work not under consideration for publication in any other conference or journal. We welcome the submissions in the following categories:

- Research and application papers: long manuscripts (8 pages maximum) addressing novel ideas, theoretical issues, technologies, methodologies, and applications.
- Case studies and practical experiences in the industry: short papers (6 pages maximum) presenting practical ideas and case studies.

Special Session and Tutorials on the latest trends in System Sciences and Engineering are planned. The interested organizers should contact Special Session and Tutorials Chairs for the details.

2023.ieeerasse.org

New in RASSE 2023

- To address the SCRC recommendation of increase the industry participation, Day 2 of the conference is dedicated to an Industry Forum with 20 industry leaders confirmed to contribute the forum as speakers and expert panelists.
  - Appoint an Industry Forum Chair to invite and organize the speakers and panelists.
  - Theme: "*Metaverse, the confluence of the digital, physical, and biological via digital reshaping and transformation*"
- Engage local Professional Conference Organizers to organize and promote locally and seek local government agency support.
  - A grant from Ministry of Science was approved.
  - A grant from City of Tainan is forthcoming.
  - NCKU to host the conference proceedings in their International Conference facilities.
  - Intel Asia Pacific and Japan agreed to be the platinum sponsor for the conference.
- Appoint a Conference Treasurer and a Local Arrangement Chair
  - Opened a local conference bank account for local expenses which will be closed after the completion of the conference.

New in RASSE 2023

- Industry Forum
  - Appoint Industry Forum Co-Chairs from the region to recruit local industry sponsors and to invite and organize the speakers and panelists.
  - Theme: "*Exponentially Disruptive Technologies catalyzed by generative AI and transformative innovations: Implications for Business, Investments, Education, Governments, new technologies, and Society*"
- Engage Host Organizers to organize and promote locally and seek local government agency support.
  - Regional volunteers to co-chair each sub-committees
  - Saintgist Group of Institutions to host the conference proceedings in their entire campus facilities.
  - Intel Asia Pacific and Japan agreed to be the platinum sponsor for the conference.
- Appoint Conference Treasurers
  - Conference Treasurer and Local Treasurer
  - Host organization to handle regional registrations and local arrangements

The Steady Growth of RASSE in Region 10

- RASSE 2021
  - Shanghai, China (Virtual)
  - 65 Registrations
  - 41 Accepted Papers
  - ($443.00) deficit
- RASSE 2022
  - Tainan, Taiwan (In person)
  - 65 Registrations
  - 41 Accepted Papers
  - $4,683.13 surplus
- RASSE 2023
  - Kerala, India (in person)
  - 220 papers submitted
  - 200 Registrations (140 from academia and 60 from Industry)
  - 140 Accepted Papers (Estimate)

Challenges and Opportunities

- ISSE 2023
  - Conference chair recommended we should skip 2023 for ISSE due to low turnout and attendance
- SYSCON 2024
  - Montreal, Canada
  - Delta Hotel
- RASSE 2024
  - Potential hosts: Beijing and Singapore
- ISSE 2024
  - TBD
- New Middle East Conference in 2024
  - Hosting organization: Dubai University, Dubai
  - Met with the President and Provost of Dubai University and confirmed their interest in hosting the conference
  - Joint conference with IEEE TEMS
    - Technical sponsor confirmed by VP Conference TEMS
    - Appoint VP Marketing and Communications TEMS as the local chair
    - Will host the Industry Forum on Day 2 of the conference

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- Technical Operations /Standards/Education

Break/Group Photo

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IEEE Systems Council
VP of Technical Operations
Tech Ops, Standards and Education

Stephen M. Holt

Fall 2023 AdCom Meeting

31 August – 1 September 2023

IEEE SYSC Technical Committee Activities

- This is my last year as the VP of Technical Operations and I thoroughly enjoyed it!
  - There are 13 SYSC Technical Committees at this time.
  - The Intelligent Transportation Design (ITD) TC has a new Chair with Bapiraju Surampudi.
  - The System Education TC has a new Chair with Veerpratap Meena.
  - Unfortunately, several societies have Chairs that are generally unresponsive to requests about activities and status. This situation must be rectified.
  - Most societies do not have accurate membership lists (or none at all).
  - All TCs have been asked to update their websites and add any new info (reports, meeting minutes, symposia and workshop info, etc.) that they so desire.
  - Need to work with Amanda Osborn and Andy Chen to request that all SYSC TC Chairs have their members develop special sessions (with papers) for our upcoming conferences.
  - All TCs have been asked to reach out to our both our IEEE Member Society representatives and other IEEE Society TCs to engage in a dialog related to mutual interests.

Ad Hoc Educational Activities and Projects

- Hope to solicit more prospective candidate tutorials from previous IEEE SC conferences for our IEEE Resource Center (RC) educational portal.
- A tutorial was earlier uploaded onto our website from Dr. Paul Hershey. Ms. Melissa Handa (of IEEE Resource Center) reports that there were 11 users of the tutorial in the IEEE Tableau (a software tool) reports, but there are no paid revenues to date. Ms. Handa asked if we have tried to promote this tutorial, so I need to investigate this issue deeper.
- We someday hope to offer educational credits (PDHs/CEUs) related to our tutorials.
- We need to determine what kind of tutorials we would want on our site over the next few years and continue to request that all SYSC Distinguished Lecturers, AdCom Members, and SYSC Chapter Chairs develop at least one tutorial for our website.
- This my last year as to my appointment on the IEEE Thesaurus Board. We will meet again in mid-November to make decisions regarding the terms for inclusion to the IEEE Thesaurus in January 2024.
- I virtually attended the Systems Engineering Research Center (SERC) and the Acquisition Innovation Research Center (AIRC) Annual Research Review last November 2022 in Washington, DC and found it most informative!

Standards Committee Activities and Projects

- The IEEE Systems Council coordinates standards policy through the following activities:
  - It recommends various Systems Engineering Practices to be followed per their Bylaws, Article V (Standing Committees), Section 10, which states that the Standards Committee shall be responsible for working with the IEEE Standards Association (https://standards.ieee.org/), the Vice President for Technical Operations, and appropriate Technical Committees to identify the need for recommending a new standard or an update to a specific standard, and to provide resources in accordance with IEEE policies and procedures.
  - Regardless, I can't see how our SYSC Standards Committee can produce any new standards related to the field of systems engineering since this field is involved more with processes and methodologies than with a set of specific standards per se.
  - However, the Standards Committee can recommend, as guidance, specific documents, texts, guidelines, etc. related to employing systems-engineering principles and that is on our Standards portal and many SE oriented documents so far have been uploaded onto our web site.
  - I work with Standards issues with Dr. Christoph Waldmann of the University of Bremen (Germany), who is the Chair of the IEEE Ocean Engineering Society (OES) Standards Committee. The OES has filed formal paperwork with the IEEE Standards Activities division to be a Full Member. From this effort, I hope to recommend any procedures that they employ that might be beneficial for us to use in the future.

Technical Committee on Systems Engineering Methods (TC-SEM)

Stephanie White & Robert Lyons, Co-Chairs

Fall 2023 AdCom Meeting

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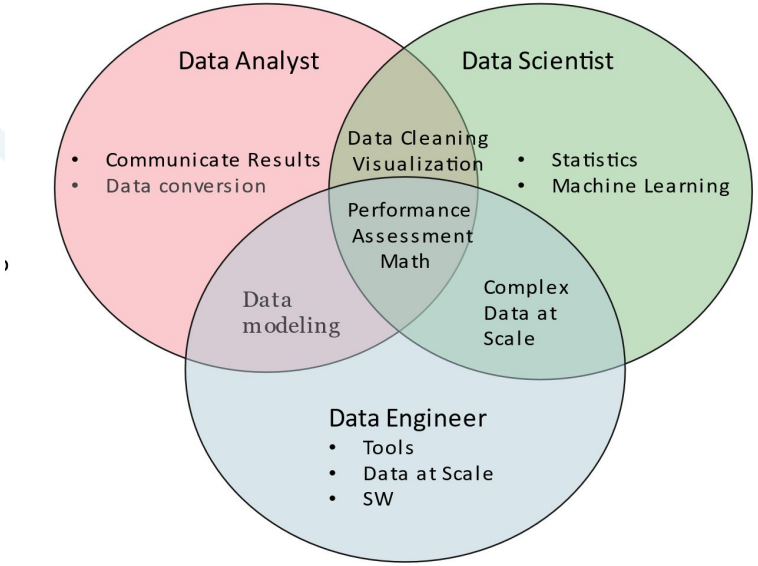
Current Status & Achievements

- Monthly Meetings
  - April 2023 Meeting: Invitation sent to all Participants; Maximum of 100 registrants showed significant interest; Discussion to determine areas of Interest
  - May 2023 Meeting: Three Breakout Sessions - Data Science (A primary interest identified at April Meeting); The Future of Systems Engineering; ABET for Systems Engineering

Systems Engineering for Data Science



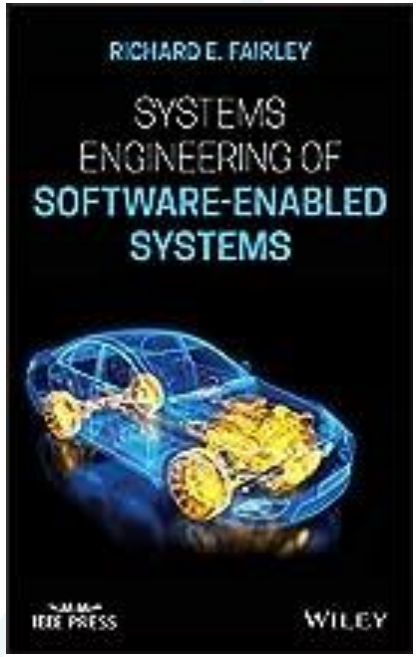
Future of Systems Engineering (INCOSE)

ABET

ABET
BE CONFIDENT

Current Status & Achievements

- June 2023 Meeting: Two Breakout Sessions
  - Systems Engineering for Data Science (Led by Macaulay Osaisai and Paul Hershey)
  - Systems Engineering and Software Engineering: Interactions among people, problem solving techniques, and technologies (Leader: Dick Fairley, author of recent book on subject)
- July 2023 Meeting – Systems Engineering and Software Engineering, Part 2, Led by Dick Fairley
- September 2023 Meeting - Talk by Rao Mannepalli, “Digital Engineering is too important to be left alone to MBSE Practitioners” Rao has 25 years of international, multi-industry and multicultural experience as Division Head, Program Manager, Chief Engineer, Chief Scientist, Chief Architect, and Principal Developer (at Leidos, Raytheon, Navy, Lockheed Martin, Bell Labs and ISRO)
- October 2023 Meeting – Talk by Paul Hershey, Raytheon Principal Engineering Fellow, “Systems Engineering and Data Science



Mannepalli talk gives practical, useful definitions of “Model” and “Digital Twin” and provides examples and some best practices followed in developing them.

Challenges

- Produce material for the Systems Engineering Body of Knowledge (SEBoK)
- Maintain participant interest
- Make a difference, technically and for TC-SEM's members

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IEEE Systems Council
VP-Publications

Paolo Carbone

Fall 2023 ADCOM meeting

31 August – 1 September 2023

SUMMARY

- IEEE Systems Journal
- IEEE J-MASS - Journal on Miniaturization for Air and Space Systems
- IEEE Open Access Journal on Systems Engineering
- Sponsored journals

IEEE Systems Journal – EiC Amir G. Aghdam

Year	Submitted	Published	Rejected	Withdrawn	In-process
2007	140	63	72	5	0
2008	65	35	29	1	0
2009	180	57	111	12	0
2010	268	115	146	7	0
2011	417	90	309	18	0
2012	505	62	420	13	0
2013	537	160	356	21	0
2014	970	310	634	26	0
2015	840	204	617	19	0
2016	781	185	570	26	0
2017	785	261	506	18	0
2018	1142	433	670	29	0
2019	1489	542	897	29	0
2020	2165	715	1421	29	0
2021	1950	466	1470	14	0
2022	1932	412	1410	14	96
2023	1122	182	702	4	234

Citation metrics

Q2 in all 4 categories

2022 JOURNAL IMPACT FACTOR

4.4

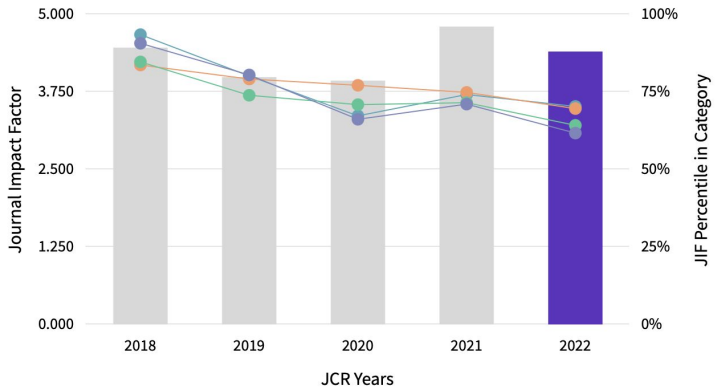
View calculation

JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

4.1

View calculation

Journal Impact Factor Trend 2022 Export



- Journal Impact Factor
- OPERATIONS RESEARCH & MANAGEMENT SCIENCE - SCIE
- ENGINEERING, ELECTRICAL & ELECTRONIC - SCIE
- TELECOMMUNICATIONS - SCIE
- COMPUTER SCIENCE, INFORMATION SYSTEMS - SCIE

Trend

Contributions by country/region

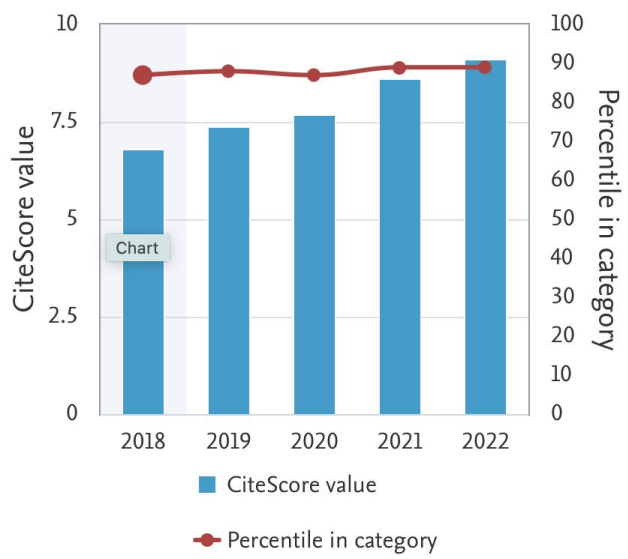
Export

Countries or Regions that have contributed the most papers to the journal in the most recent three-year period. Learn more

RANK	COUNTRY / REGION	COUNT
1	CHINA MAINLAND	814
2	India	308
3	USA	278
4	Iran	181
5	England	140
6	Canada	135
7	South Korea	118
8	Australia	115
9	Taiwan	77
10	Saudi Arabia	55

Journal is listed in several categories: in all of them Citescore is above 85% percentile, meaning Q1

CiteScore trend



CiteScore 2022

9.1 = 18,084 Citations 2019 - 2022 / 1,979 Documents 2019 - 2022

Calculated on 05 May, 2023

CiteScoreTracker 2023

8.1 = 14,850 Citations to date / 1,844 Documents to date

Last updated on 05 July, 2023 • Updated monthly

CiteScore 2021

8.6 = 14,936 Citations 2018 - 2021 / 1,735 Documents 2018 - 2021

Calculated on 05 May, 2022

CiteScoreTracker 2022

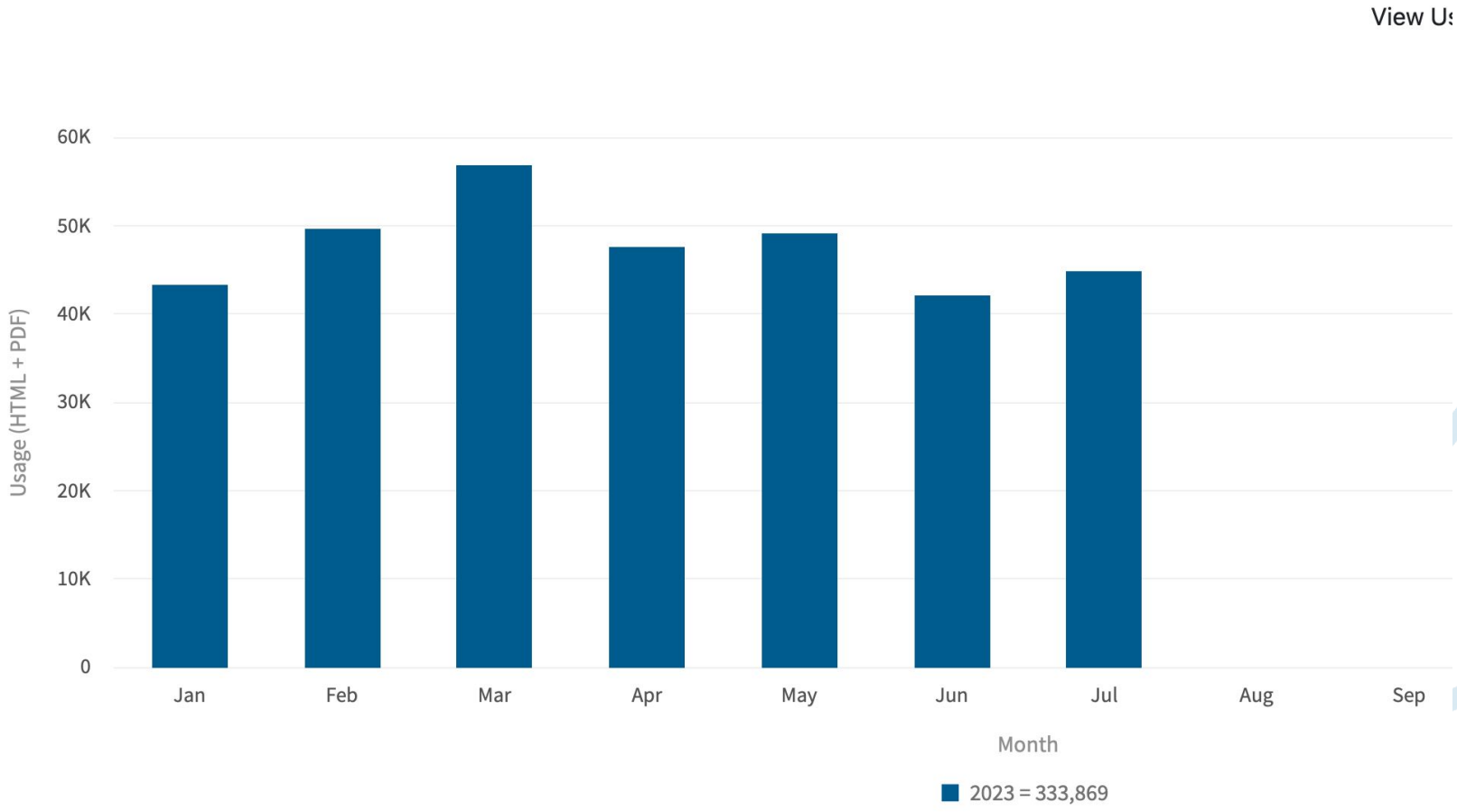
9.0 = 17,734 Citations to date / 1,981 Documents to date

Last updated on 05 March, 2023 • Updated monthly

Additional information

- Together with the EiC decided to ask authors about their industrial vs academic affiliation so to collect data useful to assess SYSC strategic goals: *Increase the contributions to the Systems Journal from industry to 50%*
- Gender distribution in the Editorial Board: 9/117 (F), 107/114 (M);
- Affiliation: 6/117 (industry) 110/117 (Univ.) 1/114 (Gov)
- Regions -> R1:2, R2:1, R3:7, R4:1, R5:2, R6:6, R7:13, R8:32, R9:3, R10:50
- Current page limits (apply to papers submitted from 1 Jan 2015): 8 complimentary pages for regular papers; up to 12 pages, **with overlength page charge of US$150 per page**. No complaints received from authors.
- Approved 6750 pages for **2022** and **2023**
- Planned for 6250 pages in **2024**, *but*
- EiC: *"we have eliminated the backlog very aggressively in the past two years, …, 4500 per year is a reasonable number now"*
- *Revising the plan in terms of number of pages for 2024 down to 4500*

SYSJ: usage information



J-MASS

- Received 25 new submissions and published 41 papers so far in 2023.
- J-MASS has already matched the standard of the first impact factor (20 papers in 2020, 28 papers in 2021, 33 papers in 2022), but IEEE forgot to submit the request for J-MASS this year.
- Starting to slowly increase the rejection rate for the first IF in 2024.
- J-MASS best paper award will start in 2024

Editor-in-Chief

Hanwen Yu

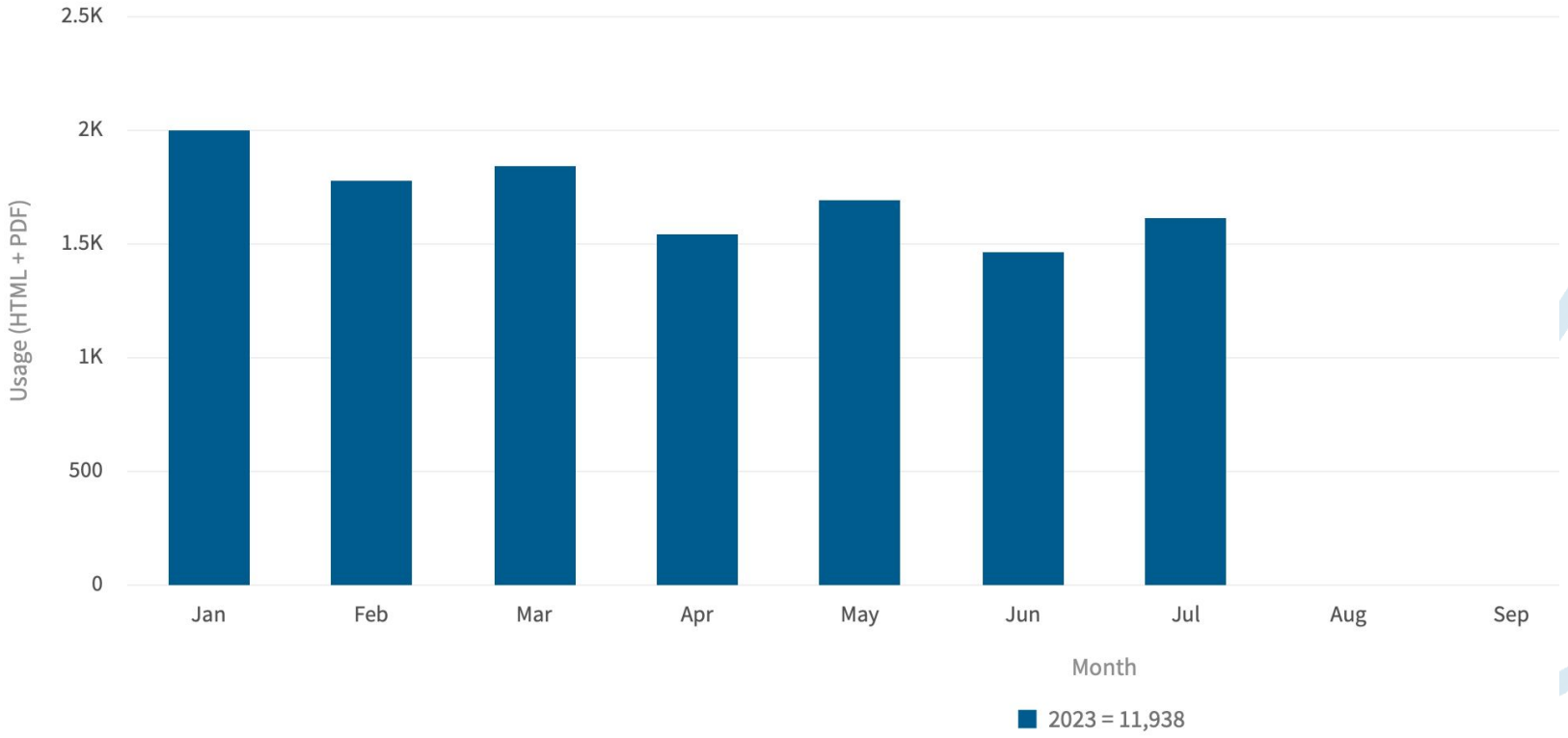
Hanwen Yu, Ph.D. is a full professor at the School of Resources and Environment in the University of Electronic Science and Technology of China, China. His research focuses on InSAR, and this work has led to new insights into the world-wide deformation monitoring and topographic mapping. He has authored more than 60 scientific papers and won the 2021 IEEE GRSS Transactions Prize Paper Award.

IEEE Journal on Miniaturization for Air and Space Systems

- IEEE Journal on Miniaturization for Air and Space Systems: financial cosponsorhip
  - Geoscience and Remote Sensing Society (25%)
  - Sensors Council (25%)
  - Aerospace and Electronic Systems Society (5%)
  - Instrumentation and Measurement Society (10%)
  - Systems Council (35%)

- The new MoU is ready to go.

J-MASS: usage information



Open Journal of Systems Engineering (OJSE)

- **PROJECTED LAUNCH YEAR & MONTH:** 2023 – 4th Quarter
- Sponsorship
  - IEEE Systems Council (40%)
  - IEEE Systems, Man and Cybernetics Society (40%)
  - IEEE Aerospace & Electronic Systems Society (20%)

Establishing an open-access journal, will provide a venue for addressing the growing need for open-access publications, steered by several funding agencies around the world. This new journal will benefit the IEEE, reinforcing its leading role in science and engineering of systems and systems-of-systems.

OJSE: Editorial Board

- **Editor-In-Chief**
  W. Dale Blair, Principal Research Engineer, IEEE Fellow
  Georgia Tech Research Institute
  Georgia Institute of Technology
- **Associate EIC**
  Ljiljana Trajkovic, Professor, IEEE Fellow
  School of Engineering Science
  Simon Fraser University
- **Associate Editors**
  - Peter Willett, Professor, IEEE Fellow, University of Connecticut
  - James Lambert, Professor, IEEE Fellow, University of Virginia
  - Dongrui Wu, Professor, Senior Member IEEE, Huazhong University of Science and Technology
  - Vincenzo Piuri, Full Professor, IEEE Fellow, University of Milan, Italy
  - Michael Sievers, Jet Propulsion Laboratory, California Institute of Technology

OJSE: Status

- Promotional Flyer completed
- Web pages established on AESS and SYSC web sites.
- Announcements in Newsletters from AESS, SMC and SYSC.
- Manuscript Central setup completed
- IEEE Xplore setup completed
  - Eight articles in Volume 1
  - Two articles in Early Access
- Established policy on discounting APC fees for the first two years
  - Four free publications to authors of international preeminence in systems engineering
  - 50% discount to all authors
- Four special issues, none of these have succeeded as special issues. Papers submitted.
  - *Special Issue on Front-end Need Analysis*
  - *Special Issue on Artificial Intelligence and Systems Engineering (four submissions)*
  - *Special Issue on Resilience in Systems Engineering*
  - *System Engineering Processes for Predictive Maintenance of Electrical Machines through Internet of Things*
- *IEEE Pubs Marketing recently sent e-mails for OJSE.*

All

Search within Publication

ADVANCED SEARC

Browse Journals & Magazines > IEEE Open Journal of Systems E...

IEEE Open Journal of Systems Engineering

Submit Manuscript | Add Title To My Alerts | Add to My Favorites

Home | Popular | Early Access | **Current Volume** | All Volumes | About Journal

Volume 1: 2023

Search within results

Download PDFs | Export | Email Selected Results

Showing **1-9** of **9**

Refine

Select a Month

Author

Affiliation

Select All on Page

Sort By Sequence

Front Cover

Publication Year: 2023 , Page(s): C1 - C1

A Mathematical Approach to Design Verification Strategies That Incorporate Corrective Activities as Dedicated Decisions

Peng Xu; Alejandro Salado

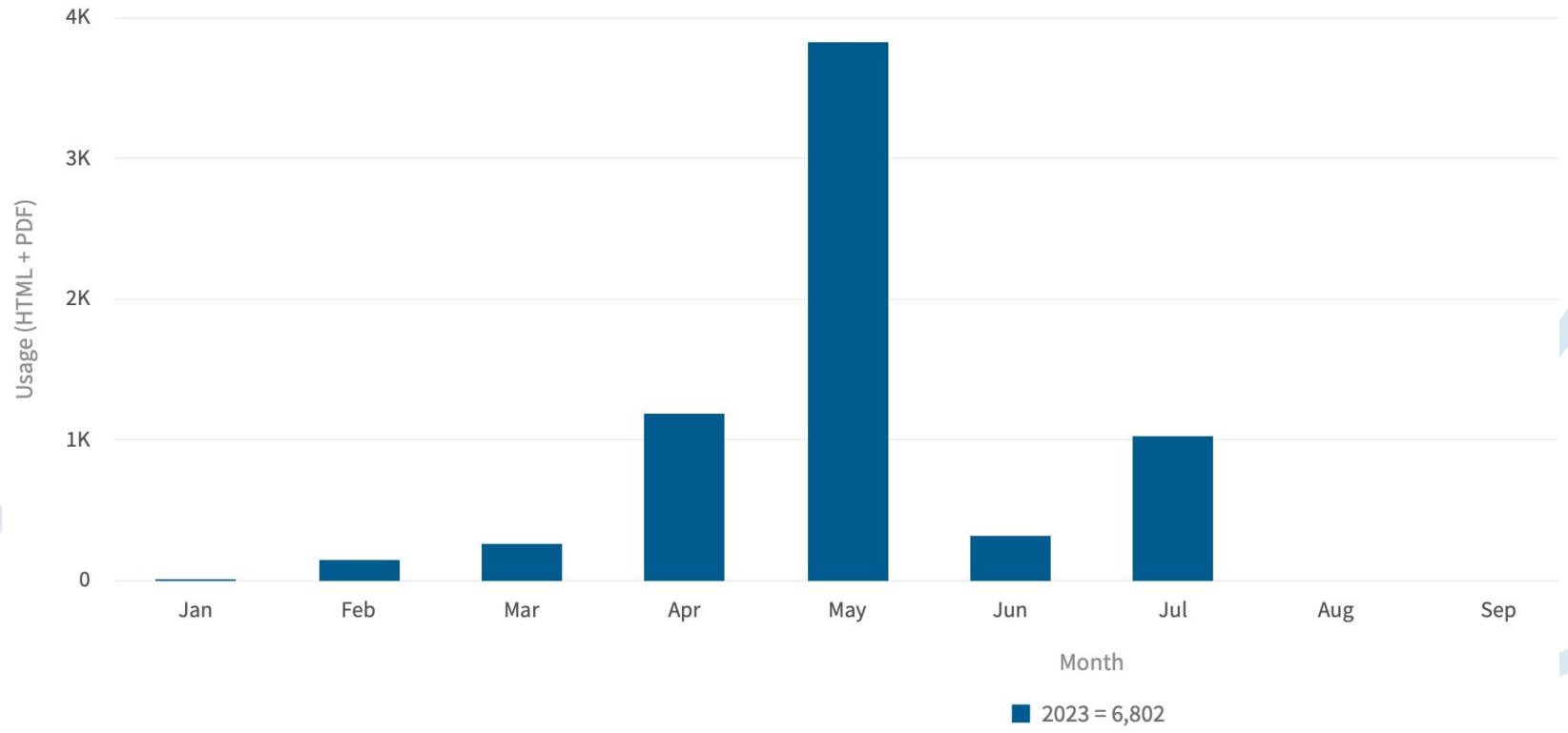
Publication Year: 2023 , Page(s): 1 - 11

Cited by: Papers (1)

OJSE: Status

- Summary of Submissions
  - 43 Original
  - 14 Revised
- Status of 57 Submissions
  - 9 Accepts
  - 6 Immediate Rejects
  - 14 Major Revisions
  - 4 Minor Revisions
  - 4 Reject
  - 5 Reject-Inappropriate
  - 3 Withdrawn
  - 12 in Review
- We should make 20 papers in 2023
  - 4 revisions under second review
  - 3 minor revisions waiting on resubmission.

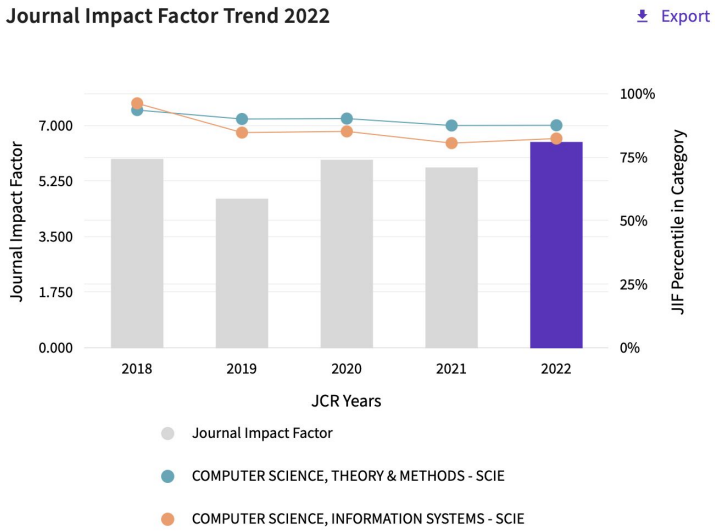
OJSE: usage information

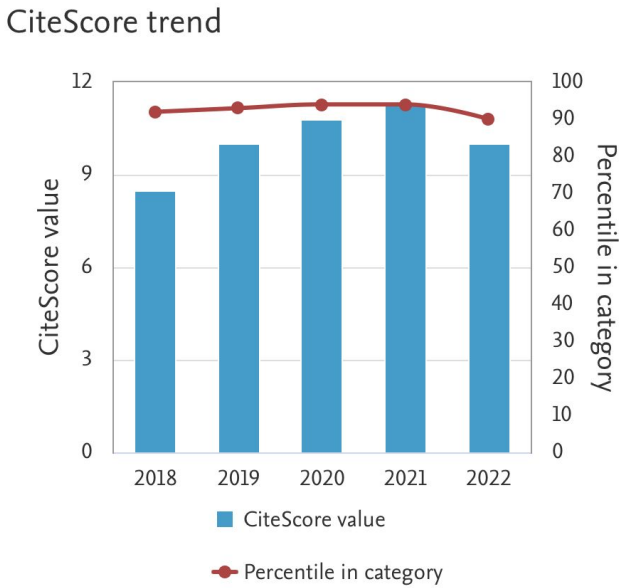


Sponsored publications

- IEEE Transactions on Cloud Computing: financial cosponsorhip (Q1)
  - Computer Society
  - Communications Society
  - **Systems Council (7%)**
  - Power and Energy Society
  - Consumer Electronics Society
- IEEE Transactions on Big Data: financial cosponsorhip
  - Computer Society
  - Communications Society
  - Computational Intelligence Society
  - Sensors Council
  - Signal Processing Society
  - Systems, Man, and Cybernetics Society
  - **Systems Council (5%)**
  - Vehicular Technology Society
- IEEE Transactions on Privacy – Technical co-sponsorship (starting Jan 2024)

- TCC





CiteScore 2022

10.0 = 5,223 Citations 2019 - 2022 / 524 Documents 2019 - 2022

Calculated on 05 May, 2023

CiteScoreTracker 2023

9.4 = 4,887 Citations to date / 519 Documents to date

Last updated on 05 August, 2023 • Updated monthly

2022 JOURNAL IMPACT FACTOR

7.2

View calculation

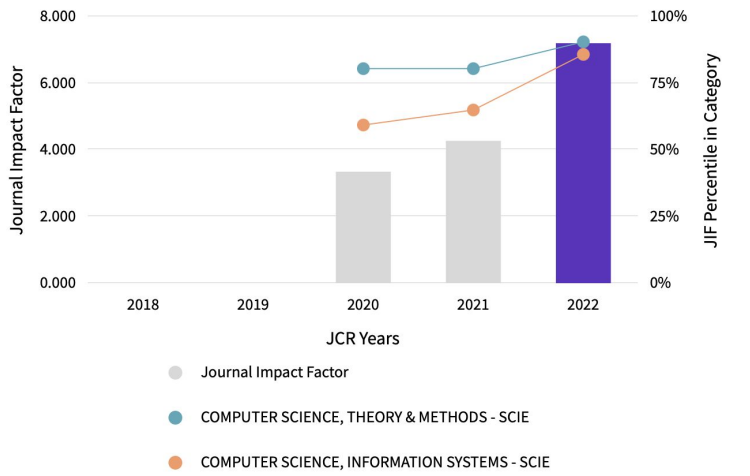
JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

7.0

View calculation

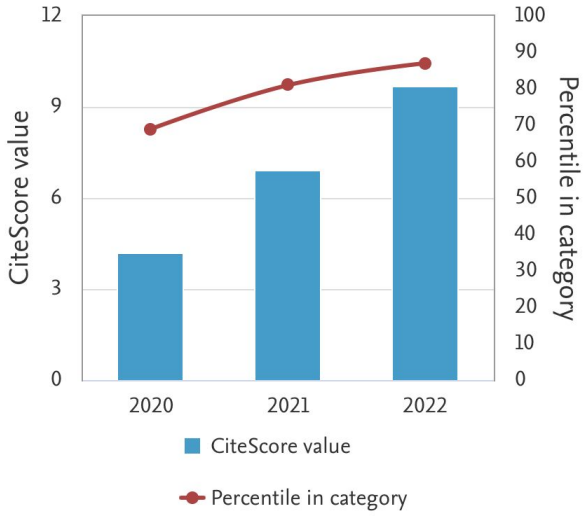
Journal Impact Factor Trend 2022

Export



- TBD

CiteScore trend



CiteScore 2022

$$9.7 = \frac{2{,}039 \text{ Citations 2019 - 2022}}{210 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023

$$7.9 = \frac{1{,}949 \text{ Citations to date}}{248 \text{ Documents to date}}$$

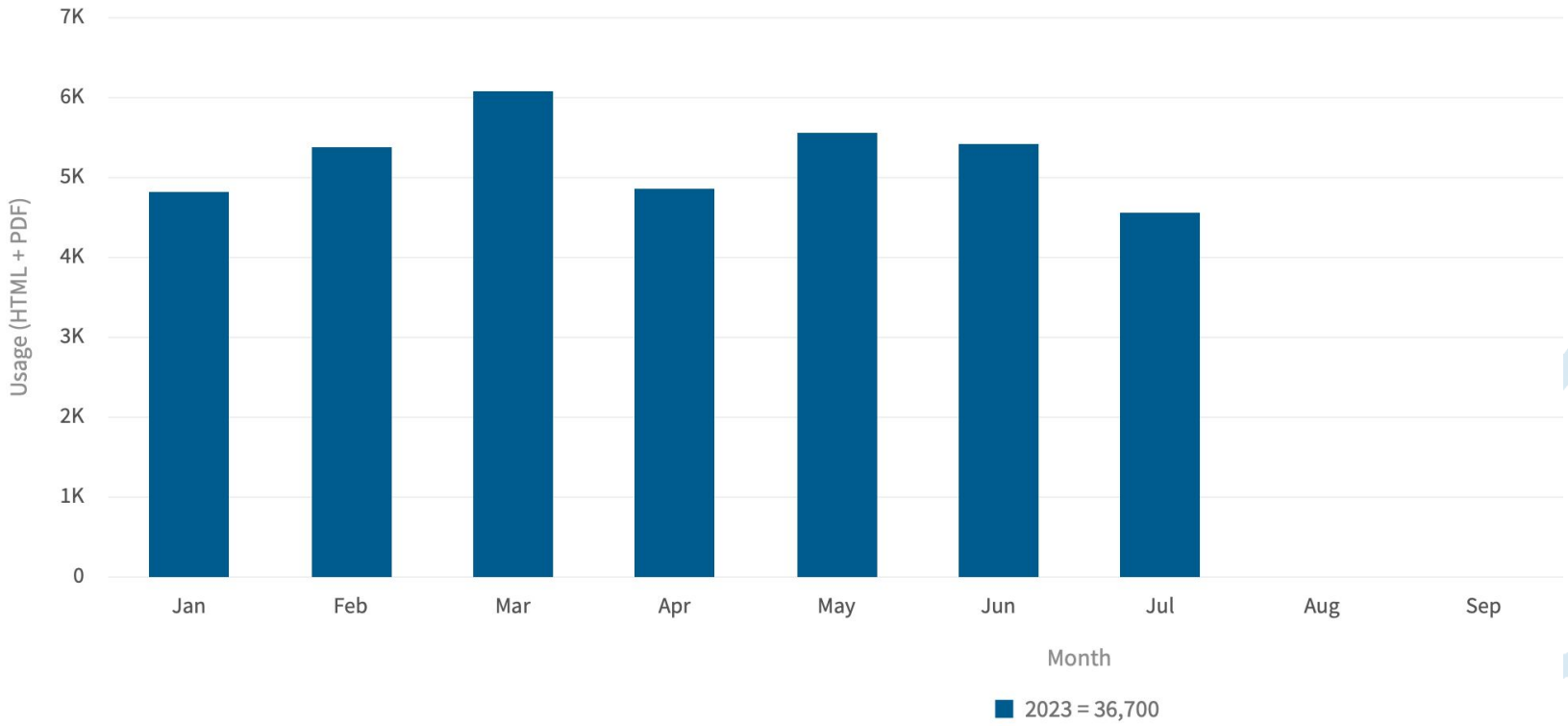
Last updated on 05 August, 2023 • Updated monthly

Sub-to-pub times

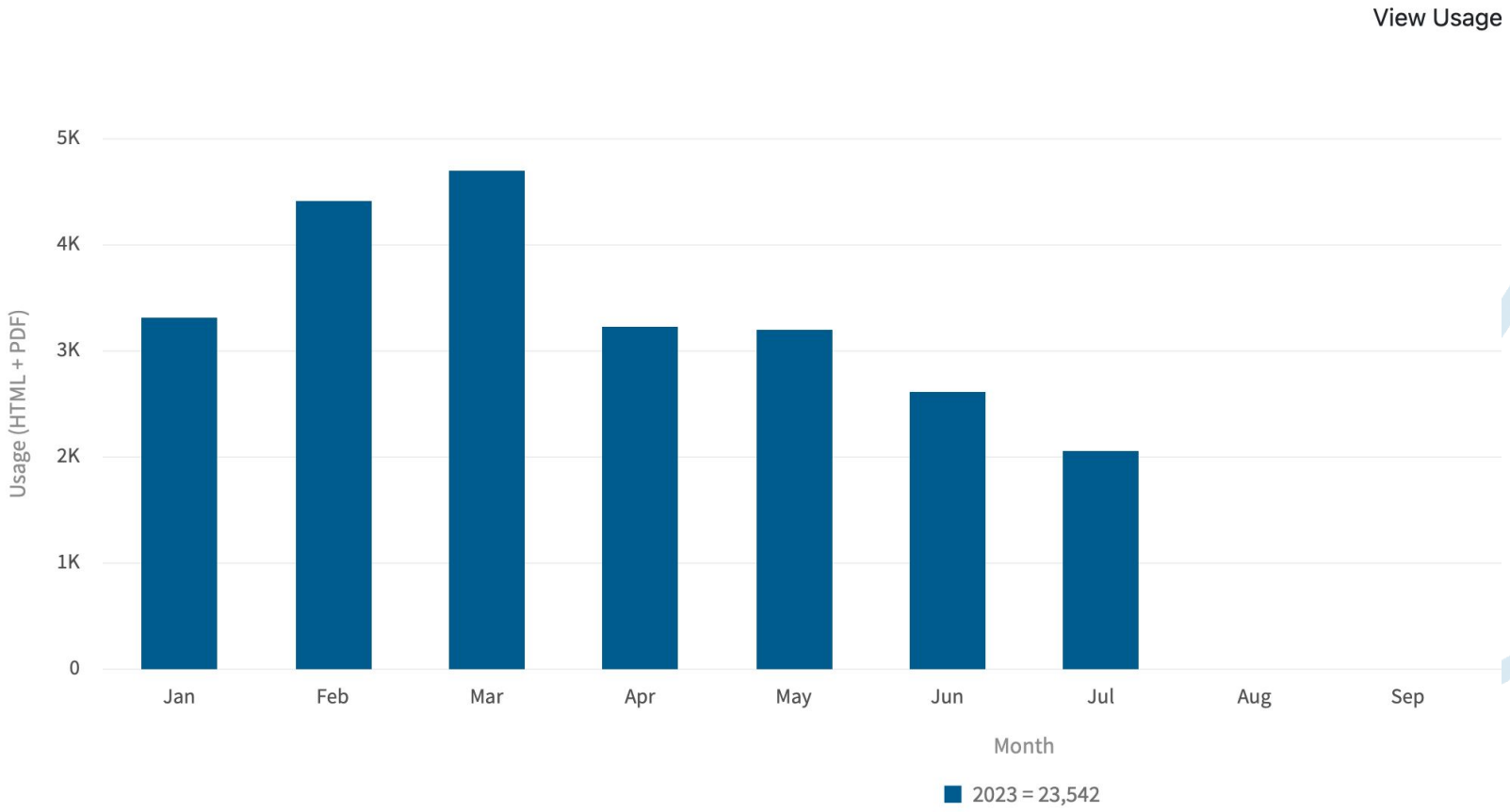
SYSC strategic goal: continually monitor the average submission-to-publication time and reduced the delay where possible

	A. Average Weeks Submitted to First Decision - 4th Quarter 2022 / 1st quarter 2023	B. Average Weeks Submitted to Online Post - 4th Quarter 2022 / 1st quarter 2023	
Miniaturization for Air and Space Systems, IEEE Journal on	2.5 – 4.3	8.3 – 16.5	
Systems Journal, IEEE	13.8 – 16.1	38.9 – 43.0	
Systems Engineering, IEEE Open Journal of (Gold OA)	17.6 – 15.0	32.3 – 28.2	
Quartile 1 - 25% is at or below	8.7 – 4.7	20.5 – 9.4	

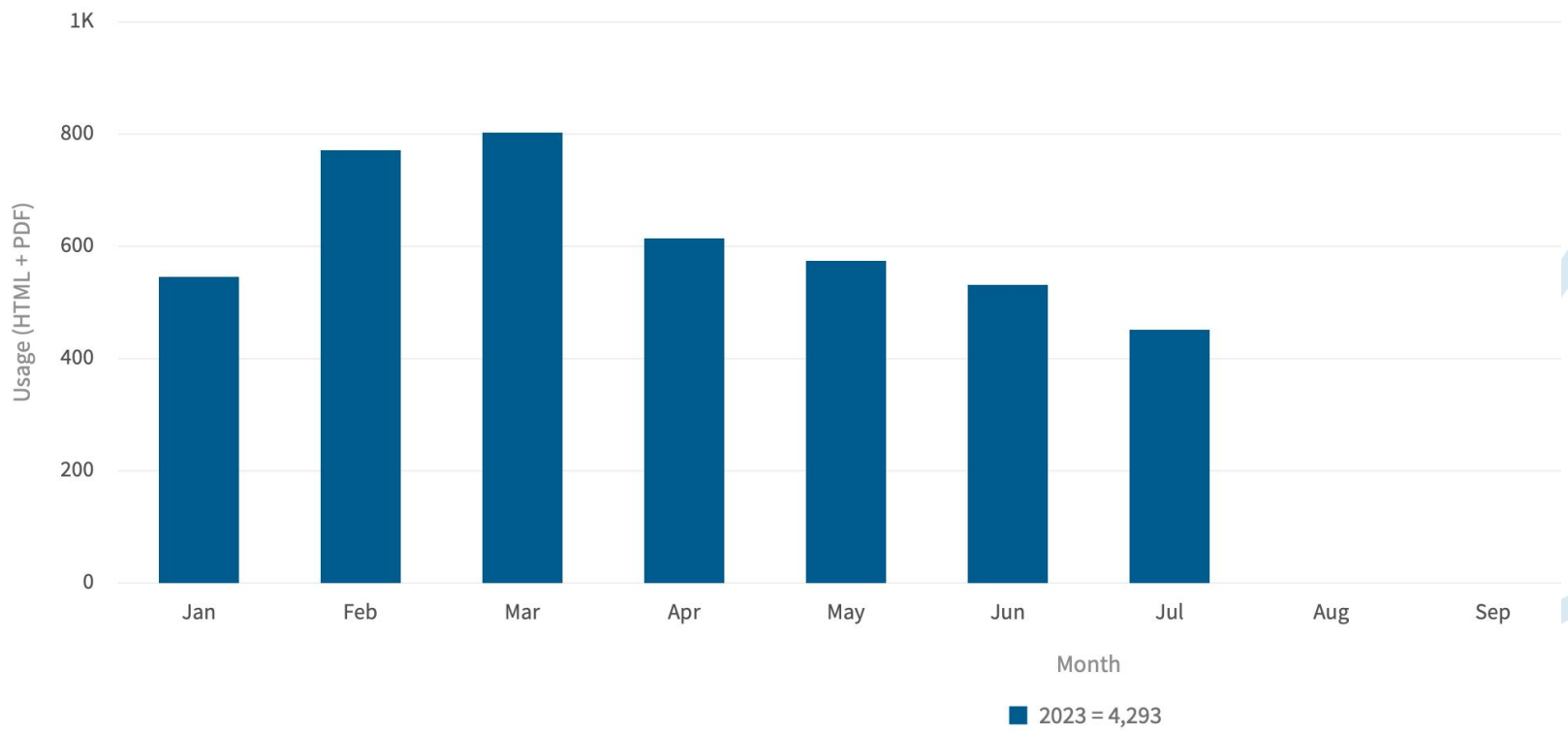
SC: usage information



ISSE: usage information



RASSE: usage information



SEBOK – New EiC

SYSTEMS ENGINEERING RESEARCH CENTER

ABOUT SERC | PEOPLE | RESEARCH | EDUCATION | LIBRARY | NEWS AND EVENTS | SEARCH

PLANS FOR THE SYSTEMS ENGINEERING BODY OF KNOWLEDGE

August 22, 2023

Insights from the New Editor-in-Chief, Dr. Nicole Hutchison

As of July 1, 2023, SERC senior research scientist Dr. Nicole Hutchison has been appointed the new Editor in Chief of the *Guide to the Systems Engineering Body of Knowledge* (SEBoK, pronounced "see-bach").

Dr. Nicole Hutchison, Stevens Institute

The SEBoK summarizes hundreds of key topics for systems engineering and provides links to critical knowledge sources and references. It is a living product, accepting community input continuously, with regular refreshes and updates. The SEBoK is overseen by a governing board consisting of the International Council on Systems Engineering (INCOSE), the Institute of Electrical and Electronics Engineers (IEEE) Systems Council, and the SERC.

Body of Knowledge and Curriculum to Advance Systems Engineering (BKCASE)

IEEE Systems Council

Abou

BKCASE Governing Board Representative

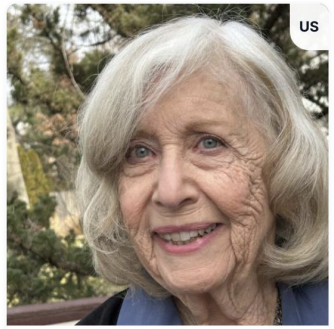
Current

2020 - Present

US

Robert C. Rassa

2020 - Present



US

Stephanie White

Thank you for your attention!

Agenda – Day 1

- ~~12:00-1:00 PM Lunch in Azalea 1~~
- ~~1:00-5:00 PM Meeting in Presidential Room~~
- ~~Welcome~~
  - ~~Call to Order and Introductions~~
  - ~~Approval of Minutes and Agenda~~
- ~~Nominations and Appointments~~
- ~~President's Message~~
- ~~Finance and Budget~~
- ~~Awards~~
- ~~Conferences~~
- ~~Break/Photo~~
- ~~Technical Operations /Standards/Education~~

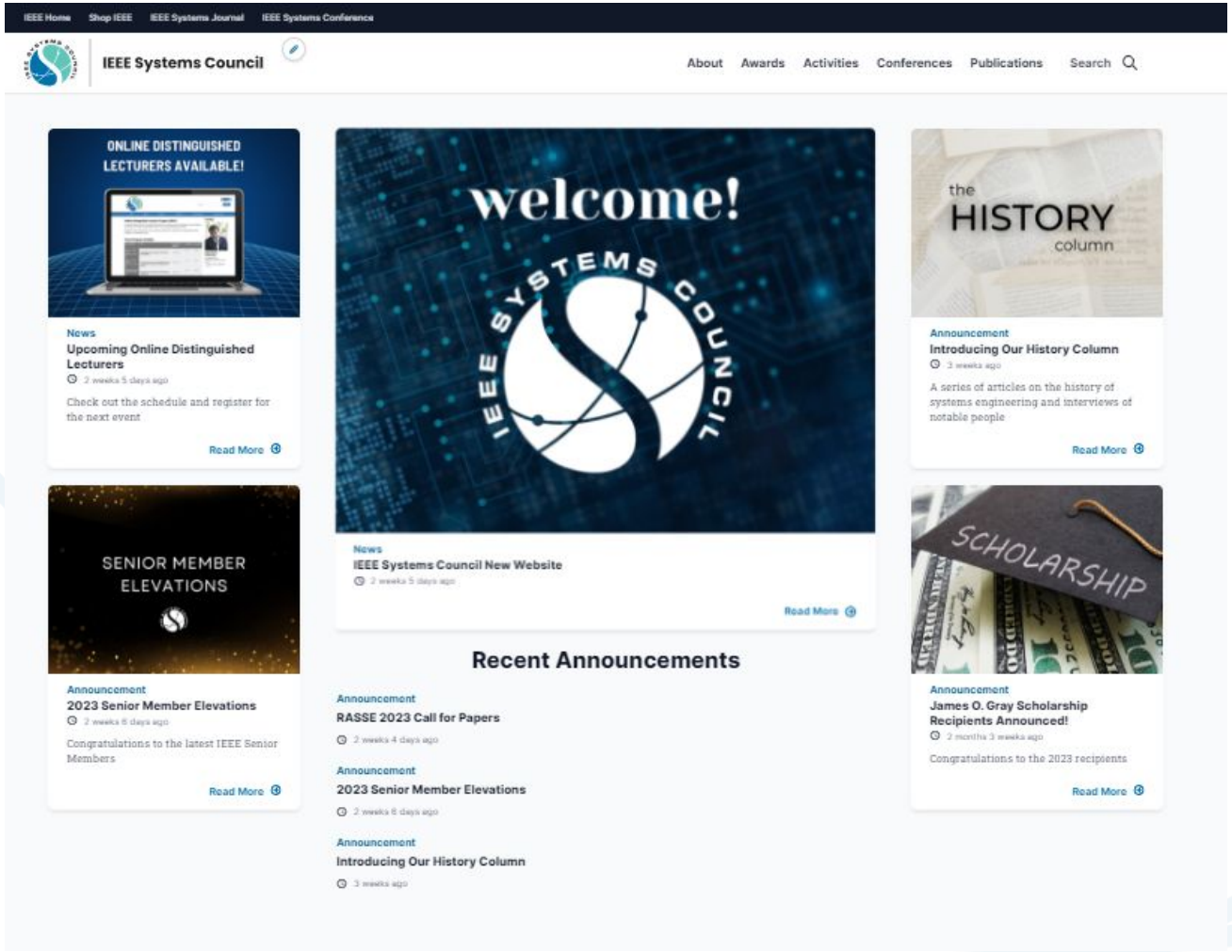
IEEE Systems Council
Website Update

Amanda Osborn

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Website Updates



https://ieeesystemscouncil-catalyze.confcats.io/

Website Updates

- Sent to VPs to review
- Subpages being built out now
- Opportunities for marketing Member Society Conferences and Events, CFPs, etc.

Agenda – Day 1

- ~~12:00-1:00 PM Lunch in Azalea 1~~
- ~~1:00-5:00 PM Meeting in Presidential Room~~
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- ~~Awards~~
- ~~Conferences~~
- ~~Break/Photo~~
- ~~Technical Operations /Standards/Education~~

Parking Lot

- Old/New Business
- Time for additional discussions

AdCom Dinner

- McCormick & Schmick's Seafood & Steaks
- 145 National Plaza, Oxon Hill, MD 20745
- Be there by 6:45 PM

Welcome!

Use your room log in to connect to the internet.

Meeting Info and Agenda

Agenda – Day 2

- ~~7:00-8:00 AM Breakfast in Presidential Room~~
- 8:00 AM Meeting Start
  - **IEEE European Public Policy**
  - Member Services and Committees
  - Member Society Roundtable
  - Admin Updates
  - Parking Lot
- 12:30 PM Meeting Adjourn

IEEE Systems Council
IEEE European Public Policy Committee

Massimo Pellegrino

Fall 2023 AdCom Meeting

31 August – 1 September 2023

IEEE European Public Policy Committee

IEEE Systems Council - Fall 2023 AdCom Meeting

Friday, 1 September 2023

IEEE
Advancing Technology for Humanity

IEEE Strategic Plan 2020-2025

OUR MISSION

We foster technological innovation and excellence for the benefit of humanity.

OUR VISION

We will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology, and of technical professionals in improving global conditions.

CORE VALUES

IEEE WILL:

- Drive global innovation through broad collaboration and the sharing of knowledge
- Enhance public understanding of engineering and technology and pursue standards for their practical application
- Be a trusted source of educational services and resources to support life-long learning
- Provide opportunities for career and professional development
- Inspire a worldwide audience by building communities that advance technical interests, inform public policy, and expand knowledge for the benefit of humanity

IEEE will foster a collaborative environment that is open, inclusive, and free of bias and will continue to sustain the strength, reach, and vitality of our organization for future generations.

www.ieee.org/strategic-plan

Approved by the IEEE Board of Directors, November 2019

IEEE
Advancing Technology for Humanity

Public Policy as part of the IEEE's mission

Rationale for involvement in and contribution to public policy matters

- Recognition of the growing involvement of governments in technology-related matters
- Need to "educate" and advise policy-makers, the public, and our members on technology policy matters and on their societal implications

General trend within IEEE towards more involvement in policy activities

- IEEE-USA has been working on public policy related matters since the 70's
- IEEE Board looked into public policy related activities at least since 2012, making it one of the main priorities in the 2015-2020 and 2020-2025 strategic plans
  - Leverage IEEE's insight to provide governments with innovative, practical recommendations to address public policy
  - Build communities that inform public policy
- Increasing engagement and interest by IEEE OUs in public policy activities, such as by IEEE-SA, Societies (e.g., PES), etc.
- Potential activities in Asia (e.g., India, Canada) have also been discussed in past years and will continue to be explored

Board actions in 2015

- Established the Global Public Policy Committee (IEEE Bylaw I-305.8)
- Established principles to guide IEEE Public Policy Activities (Bylaw I-311)
- Established processes and authorities for development and approval of policy documents (IEEE Policies, Section 15)

Board actions in 2017

- Established the European Public Policy Committee (effective as of January 2018)

IEEE European Public Policy Programme (EU + EFTA + UK)

Mission

To pool and leverage IEEE's knowledge and expertise to provide European institutions and bodies with independent and unbiased advice and recommendations to address technology-related public policy issues from a global perspective

Vision

To become, and to be recognized as, the globally relevant and trusted resource and voice for the policy and technical communities in Europe with respect to technology policy issues

Some Objectives

1. To inform European policymaking
2. To facilitate collaboration between the IEEE technology communities and European public authorities and other organizations
3. To increase visibility of IEEE's technology expertise and knowledge

History

1. Public policy efforts in Europe have existed since 2011, with a more formalized approach in 2014 (WGs) and in 2018 (EPPC)
2. IEEE public policy programme very much appreciated by EU officials – "Farmers come to Brussels every day, we are pleased to also see engineers and technologists" (former Director in DG Energy)

IEEE Members have been part of:

1. Expert Group on Climate Change Policy (Emission Trading System)
2. High-Level Expert Group on Artificial Intelligence
3. Stakeholder Cybersecurity Certification Group
4. ENISA Advisory Group
5. Expert group on Smart Buildings
6. European Technology Platform for the Electricity Networks of the Future (ETP SG)

Areas of work

1. Energy: Renewables | E-mobility & Smart Charging | Grid Stability | Green Hydrogen | Smart Buildings | Smart Ports | Electrification and the Grid of the Future | Digitalization of the Energy System| Energy Storage
2. ICT: AI | Cybersecurity | Digital Health | Mobility | Telco | Metaverse

https://www.ieee.org/about/ieee-europe/publications.html

IEEE European Public Policy Committee (EPPC)

Dates: Established in 2018, with an ad-hoc Committee/Initiative created in 2011

Membership: 13 Voting Members (Chair: Jef Beerten) appointed by the N&A Committee

Purpose:

- Coordinate IEEE public policy activities in Europe
- Identifying technology areas where input for policy makers is needed and developing a prioritized agenda for the EPPC
- Facilitate collaboration between the IEEE tech communities and European public authorities and other organizations
- Give IEEE members a voice and means necessary to engage in public policy discussions
- Provide independent and unbiased inputs to address technology-related public policy issues from a global perspective
- Advocate public policies, inform European policymaking, and shape policy options
- Increase visibility of IEEE's technology expertise and knowledge

EPPC Work:

- Technical work is carried out by two working groups on Energy (Ch: Costas Vournas) and ICT (Ch: Giambattista Gruosso)
- Develop written materials and policy documents (including responses to EU consultations)
- Meet and build relations with policy makers and other policy stakeholders (e.g., participation in EU expert groups)
- Organize and contribute to events (e.g., EPPC Summits) and provide other services (e.g., policy webinars)

Resources:

- https://www.ieee.org/about/ieee-europe/index.html | https://www.ieee.org/about/ieee-europe/publications.html

EPPC Working Groups on Energy and ICT

Dates: Created in 2014, compositions renewed in 2017, 2019, 2021 and 2023

Selection Procedure (2023): 100 applications received, with ad-hoc search committees assessing the applications

Membership: 12 IEEE Members each (plus 2-3 Liaisons), chaired by Costas Vournas (Energy WG) and Giambattista Gruosso (ICT WG)

Support: Provided by the IEEE Global Office in Vienna (supported, in turn, by NOVE, a public affairs firm in Brussels)

Meetings: Monthly calls and in-person meetings

Purpose:

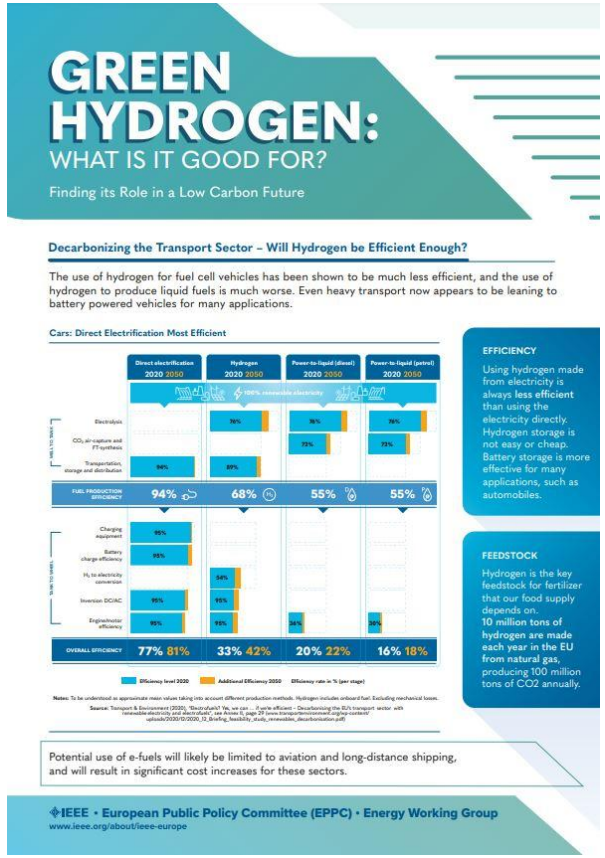
- To inform and contribute to the formulation of legislation and policy in Europe through the provision of impartial technical and policy advice

Deliverables (The Working Groups are responsible for):

- Preparing written materials on topical Energy and ICT issues (e.g., position statements, white papers, and other policy communications)
- Responding to public policy consultations by the European Union
- Meeting and sharing technology expertise with policy- and decision-makers at all levels
- Engaging with the broader policy community and like-minded associations on technology policy issues
- Participating and representing IEEE in EU expert groups
- Organizing and attending specific events on behalf of IEEE

IEEE

EPPC Policy Documents (1/2)



- ***Repository for Policy Documents:***
  - https://www.ieee.org/about/ieee-europe/publications.html
- ***Approved:***
  - "Intelligent, Connected and Autonomous Mobility"
  - "Smart Buildings"
  - "Grid Stability"
  - "Green Hydrogen"
  - "E-mobility: Smart Charging"
  - "Cybersecurity"
  - "Renewable Energy"
- ***Under development:***
  - "Smart Ports"
  - "Electrification and the Grid of the Future"
  - "Digitalization of the Energy System"
  - "Energy Storage"
  - "Artificial Intelligence"
  - "Digital Health"

Get Engaged (Calls for Engagement):
https://engage.ieee.org/EPPC-Newsletter-SignUp.html

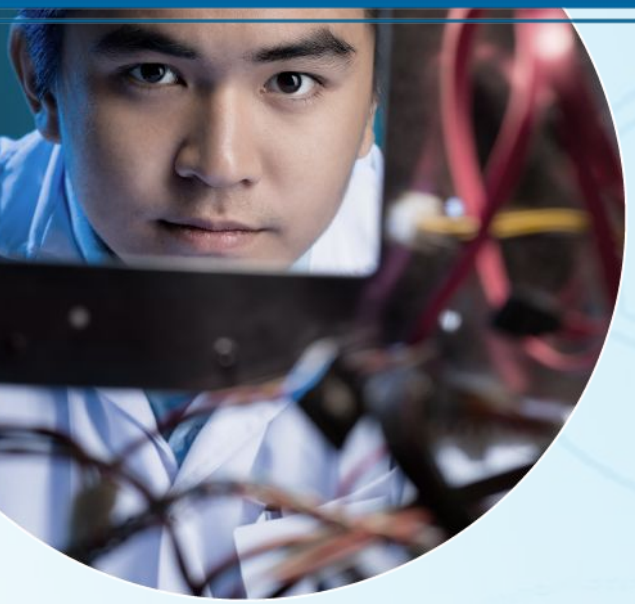
Engagement with public authorities

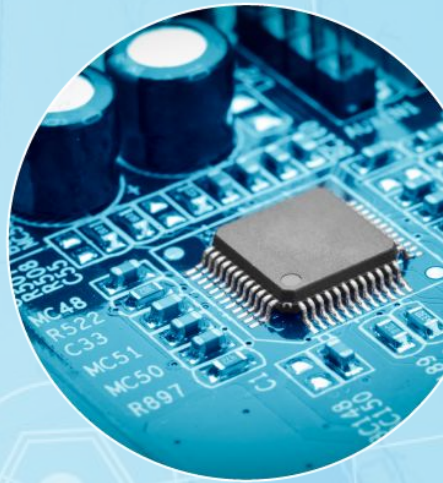
- Meetings with policy makers and other policy stakeholders
  - In-person meetings (ca. 50 EU officials, MEPs, and representatives of associations)
  - High-Level Meetings with the European Commission
- Representation of IEEE in EU expert or stakeholder groups
  - Expert Groups (e.g., Artificial Intelligence, Climate Change Policy)
  - Stakeholder Groups (e.g., Smart Readiness Indicator for Buildings, Cybersecurity Certification Group)
- Participation in stakeholder meetings and policy platforms
  - EU Stakeholder Meetings on the Smart Readiness Indicator for Buildings
  - Events by the European Internet Forum (EIF) & Knowledge for Innovation (k4I)
- Response to stakeholder consultations
  - European Commission consultations requesting inputs by the stakeholder community (e.g., renewable, cybersecurity, AI, e-health)
- Organization and participation in events in collaboration with EU bodies and policy stakeholders
  - Five IEEE Summit in cooperation with major EC DGs - http://ieee-summit.org
  - IEEE panels at EU events (e.g., ICT Day, EU Digital Assembly) and IEEE members on EU panels
  - IEEE panels at policy stakeholder events (e.g., G-Stic)
- Organise and participate in policy panels with policy makers at major IEEE events (e.g., ISGT, IECON)

Engagement with IEEE members and Organisational Units (OUs)

- European Public Policy e-Newsletter
  - Sign-up - https://engage.ieee.org/EPPC-Newsletter-SignUp.html
- Calls for Engagement
  - Create IEEE topical policy expert groups to inform policymaking from a technology policy perspective
  - Develop EPPC policy documents in a collaborative manner
  - Promoted via different channels, including the e-newsletter and direct emails to section chairs and key OU leads
- Policy Webinars & News/Bulletins
  - Educate and inform IEEE members of major energy and ICT policy issues in Europe
  - Focus on the EU machinery, policymaking process, and specific policy areas (e.g., Buildings, e-Mobility, Cyber, AI)
  - Delivered by IEEE members with the participation of policy makers
  - https://www.ieee.org/about/ieee-europe/public-policy-webinars.html
  - https://www.ieee.org/about/ieee-europe/europe-news.html
- Contribution to EU-level publications and events
  - IEEE members contributed to several IEEE supplements to the Parliament Magazine
    - https://www.ieee.org/about/ieee-europe/publications.html
  - IEEE sponsor of the MEP Awards (Digital Single Market category)
- Support public policy objectives of IEEE Organizational Units (OUs)
  - Review of other OU policy documents and suggestion of speakers for events

IEEE





Back-up slides

2023 EPPC Membership and Staff Support

IEEE EPPC Membership – 13 Members

- Jef Beerten, Chair
- Imran Ansari (new member)
- Armando Walter Colombo
- Giambattista Gruosso (new member)
- Samina Husain
- Stamatis Karnouskos
- David Law
- Cecilia Metra
- Dominique Schreurs (new member)
- Jorge Soares
- Ana Trigo (new member)
- Costas Vournas
- Stefano Zanero

IEEE EPPC Staff Support (Vienna)

- Clara Neppel (Vienna)
- Massimo Pellegrino (Vienna)

2023 Energy WG Membership and Staff Support

Energy WG Membership – 12 Members

- Costas Vournas (Chair)
- Kenneth Bruninx
- Emilio Gomez-Lazaro
- Andrej Ferdo Gubina
- Claire Lajoie-Mazenc
- Antonello Monti
- Nick Papanikolaou
- Paolo Attilio Pegoraro
- John Prousalidis
- Felipe Requejo
- Josef Shaoul
- Davor Škrlec

EPPC Liaisons to the Energy WG

- Armando Walter Colombo
- Stamatis Karnouskos

Staff Support (Vienna)

- Massimo Pellegrino

2023 ICT WG Membership and Staff Support

ICT WG Membership – 13 Members

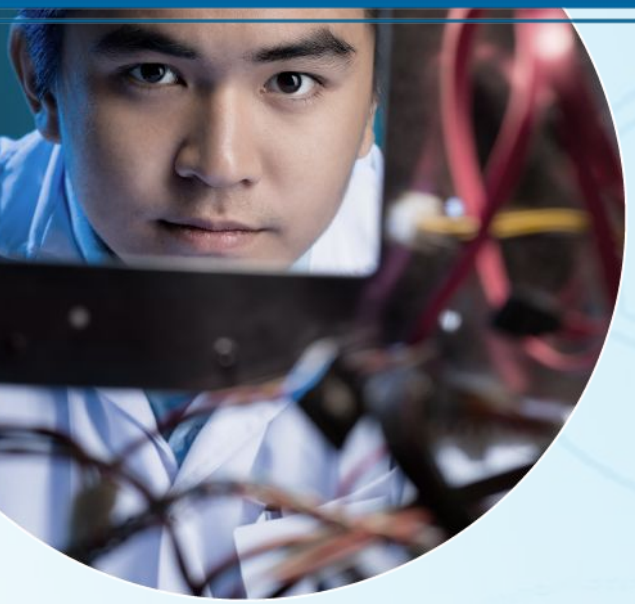
- Giambattista Gruosso
- Constantinos Balictsis
- Mario Birkholz
- Ricardo Chavarriaga
- Alexandra Cristea
- Antonio L. Flores-Galea
- Ali Hossaini
- Dimitris Kalogeropoulos
- Panagiota Karadimitriou
- Cyril Onwubiko
- Ana-Lucia Varbanescu
- Paolo Volpato

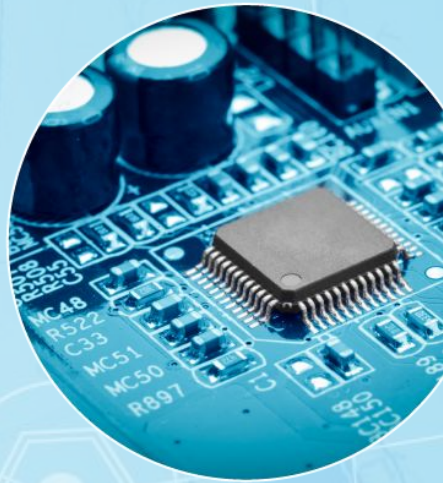
EPPC Liaisons to the ICT WG

- Imran Ansari
- David Law
- Cecilia Metra (past chair)
- Dominique Schreurs

Staff Support (Vienna)

- Massimo Pellegrino





EPPC Process for Developing Policy Documents

Process for developing EPPC policy documents (1/2)

EPPC WGs
Nominate the Coordinating Editors

Create a wider group of technology policy experts willing to contribute to the policy exercise and to provide first feedback on the concept note

All members of the wider group
Submit comments and contribute substantive text to the document

EPPC WGs
Review the final edited draft

European Public Policy Committee

EPPC
The document is published and disseminated

Setting the scene

Coordinating Editors
Review and integrate into the document, to the greatest extent practicable, material by OUs and other volunteers

End of editorial process
Edited version circulated to all members who responded to the call for engagement

Global Public Policy Committee

EPPC
The document is reviewed, and then re-issued, updated or withdrawn as appropriate

EPPC Process for developing policy documents (2/2)

- Step 1: To nominate volunteer leads acting as coordinating editors.
- Step 2: To develop a 1-2 page concept note outlining the scope and compass of the proposed document.
  N.B.: The aim of the concept note is to set the expectations, so that IEEE OUs can assess if the proposed activity by the EPPC is in line with their own activities and eventually contribute.
- Step 3: To launch a call for engagement to involve the wider IEEE membership, create a wider group of experts, have buy-in from IEEE OUs from the outset, and get initial feedback on the concept note.
- Step 4: To expand the concept note into a draft/outline policy document on the basis of the initial feedback received and to ask the respondents to contribute additional substantive text or comments of any kind. To incorporate, to the greatest extent practicable, all text received.
- Step 5: To distribute the final edited draft version to the respondents to the call for engagement for minor comments only and review the final document within the EPPC WG.
- Step 6: To send the document to the EPPC for review and approval, and incorporate any new comments – some members of the EPPC are already part of the wider group of experts who responded to the call for engagement.
- Step 7: To send the document to the GPPC for review and approval, and incorporate the ensuing comments.
- Step 8: To publish and disseminate the document. To review the document, and re-issue, update or withdrawn it as appropriate within a max. 3-year time period.

Agenda – Day 2

- ~~7:00-8:00 AM Breakfast in Presidential Room~~
- ~~8:00 AM Meeting Start~~
  - ~~IEEE European Public Policy~~
  - **Member Services and Committees**
  - Member Society Roundtable
  - Admin Updates
  - Parking Lot
- 12:30 PM Meeting Adjourn

IEEE Systems Council
Member Services

Stephanie White, VP Member Services

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Current Organization

- Chapters Committee, Chair: Fabrice Labeau
- Senior Members Committee & Life Members Committee, Chair: Walt Downing
- Industry & Industry Professionals Committee, Chair: Stamatis Karnouskos
- Diversity & Inclusion Committee, Chair: Bozenna Pasik-Duncan
- Cooperation with IEEE Entities, Chair: Aylin Yener
  - Subcommittees: Member Societies Chair: Aylin Yener; Participants Chair: Ernie Parker; Other IEEE Efforts Chair: Open
- Cooperation with Non-IEEE Entities, Chair: Wei-Jen Lee
  - Subcommittees: Systems Societies Chair: Haifeng Zhu; Research Centers Chair: Wei-Jen Lee; Government Chair: Armando Walter Colombo; Universities Chair: Prasanta Ghosh
- Women in Systems Engineering (WISE), Chair: Holly Handley
- Young Professionals, Chair: James Ritchie (Search for Chair, start date Jan 1, 2024)

Current Status and Achievement (Accomplishments related to IEEE Systems Council 2022 Strategic Plan)

Short-Term Actions Met:

- ✔ Hold at least one Chapter Chairs Summit annually, in conjunction with a Systems Council conference
- ✔ Provide two annual Chapter Chair Awards, one for Systems Council regular chapters, and one for student chapters
- ✔ Provide information on becoming a Systems Council Affiliate to attendees at all technically and financially sponsored conferences by creating a single-page document.
- ✔ Updating “IEEE Systems Council History”, Qusai Alqargaz recruited by Walt Downing to write a column

Current Status and Achievement (Accomplishments related to IEEE Systems Council 2022 Strategic Plan)

Three-Year Goals Met

- ✔ Maintain close liaison with Chapters, and engage chapter members in Systems Council technical committees, events and activities
- ✔ Promote formation of new Systems Council chapters or Joint Society Chapters with other IEEE Society Chapters to serve members where no Council chapter exists
- ✔ Promote concept of Council chapter participation in organizing conferences, workshops, tours, student activities, short courses, etc., by providing resources to chapter officers
- ✔ Offer assistance to Affiliate and Society members for elevating to the next grade

General Challenges (You will hear from Committee Chairs on their specific challenges)

- Increase cooperation, interaction, and usefulness between Systems Council and its Member Societies
- Cooperate with organizations & institutions external to IEEE in our field of interest, to mutual advantage

General Action Items (You will hear from Committee Chairs on their specific action items)

- Identify more ways we can interact to everyone's advantage, including that of humanity
  - With INCOSE (TC-SEM and Haifeng Zhu have initiated interaction)
  - With AIAA Systems Engineering Group (Initiated by AIAA through TC-SEM)
  - With IEEE EPPC (Arranged by Armando Walter Colombo; Massimo Pellegrino presentation to officers, 8/31/2023
  - With IEEE USA (Would potentially have similar advantage to EPPC)
- Identify at least 5 Members of each Member Society that have a strong interest in Systems and work on increasing their interaction with Systems Council
  - Request help of Member Society Reps in identifying 5 or more of your Society's Members

General Action Items continued

- Investigate formation of a committee (e.g., Social Media and Outreach Committee) to address the issue and aspects of advancing the Systems Council on social media. Give consideration to eventually adding an attendant Officer position

Motion(s)

- None

IEEE Systems Council
Distinguished Lecturers Program

Pierangela Samarati, DLP Committee Chair

August 31 – September 1, 2023

2023 DLP Committee

- Pierangela Samarati, Chair
- Rich Hochberg
- Paolo Carbone
- Robert C. Rassa
- Stephanie White

Outline

- Current DLs
- Expanding the DL Program: the new version of the DLP policy (DLP 2.0)
- Clarification of the DLP reimbursement policy

Distinguished Lecturers – August 2023

- Edward Addy
- Amir Aghdam
- José M. Azorín
- Sambit Bakshi
- John Blyler
- Paolo Carbone
- Ni-Bin Chang
- Andy Chen
- Armando W. Colombo
- Rami Ghannam
- Holly Handley
- Bob Lyons
- Paul Hershey
- Houbing Herbert Song
- Shiyan Hu
- Burak Kantarci
- Okyay Kaynak
- Joongheon Kim
- Sanjeevikumar Padmanaban
- Vincenzo Piuri
- Bob Rassa
- Donna H. Rhodes
- Pierangela Samarati
- Ved Ram Singh
- Somayeh Sojoudi
- Mark Wehde
- Stephanie White
- N. Peter Whitehead
- Georges Zissis

Expanding the DL Program (1)

Motivations:

- Increasing number of Chapters and Student Branch Chapters
- Low requests for Distinguished Lectures
- Limited visibility of support to local communities

Objectives:

- Increase the number of Distinguished Lectures
- Limit the cost for supporting more Distinguished Lectures
- Increase SYSC visibility in local communities

Expanding the DL Program (2)

Types of Distinguished Lectures:

- In-presence Distinguished Lectures with Lecturers from around the world
- Online Distinguished Lectures

Publicity

- Solicit Chapters and Student Branch Chapters to apply for Distinguished Lectures (in cooperation with the Chapters Committee)
- Periodic update of the presented Distinguished Lectures
- Inform the Section and Region where the Distinguished Lecture is delivered for possible additional publicity

DLP 2.0 (1)

The new version of the Distinguished Lecturers Program includes two different delivery schemes with only one group of lecturers:

- **In-presence DLP** - lectures offered in physical presence by distinguished lecturers residing in any part of the world;
- **Online DLP** - lectures offered online by teleconference in synchronous mode (e.g., webex, zoom, google meet, teams, voov).

1) Distinguished Lecturers selections

The selection process is directed to select all distinguished lecturers.

DL candidates should submit the application form (personal information; biography; proposed talk, abstract and slides). Presentation topic must relevant to Systems Council mission and objectives and must have been already presented by the candidate in at least one significant public setting (e.g., a conference).

The DLP committee will evaluate the candidates and recommend the ones to be included in the program. Final decision will be taken by the SYSC AdCom.

Additional topics may be offered by a DL, provided that they are submitted to the DLP committee for approval.

2) Advertising Distinguished Lecturers

The complete list of lecturers, with the offered topics, will be posted in the SYSC website.

DLP 2.0 (2)

3) Funding Distinguished Lectures

Online DLP does not need any funding for mobility. Costs for delivering the lectures online (online platforms' fees, operations support by Conference Catalysts, and archiving the recording in the SYSC Resource Center) are already included in the SYSC general operational costs.

In-presence DLP fund is used to support mobility of distinguished lecturers residing in any part of the world to reach the city in which the DL will be given. Local expenses are supported by the IEEE Organizational Unit(s) that requested the DL.

4) Requesting Distinguished Lectures

The SYSC chapters, IEEE Sections and any other IEEE Organizational Unit can apply for a Distinguished Lecture. The IEEE Organizational Unit(s) – IEEE OU(s) – requesting the Distinguished Lecture are called the DL-organizing IEEE OU(s). The institution in which the Distinguished Lecture will be given (called hosting entity) can be any physical location selected by the DL-organizing IEEE OU(s).

Distinguished Lectures will not receive any financial support for keynotes at conferences and workshops.

The DLP committee will evaluate and approve the requests according to the fund availability.

DLP 2.0 (3)

5) Advertising Distinguished Lectures

Distinguished Lectures offered in physical presence will be advertised by the DL-organizing IEEE OU(s) and by SYSC (announcement by email to SYSC Community participants in the IEEE Section where the talk is offered).

Distinguished Lectures offered online (both the ones offered only by teleconference and the ones offered in physical presence but with streaming) will be advertised by the DL-organizing IEEE OU(s) and by SYSC (announcement in the SYSC website, SYSC email list, and SYSC social media).

If a Distinguished Lecture is recorded and the recording is deposited in the SYSC Resource Center, an additional announcement will be distributed by SYSC by email and social networks worldwide.

6) Recording Distinguished Lectures

Each Distinguished Lecturer must record at least one of his/her lecture as one of the talks offered in the SYSC educational repository. Recording must be performed by following the guidelines defined for the tutorials included in the SYSC educational repository.

Recording of at least one of the lectures shall be a condition to be included in the DL Program and should be fulfilled within 6 months after the AdCom approval of the Distinguished Lecturer. Failing to record the lecture within this deadline will result in automatic removal from the Distinguished Lecturer Program.

No honorarium will be offered for the first Distinguished Lecture recorded by a Distinguished Lecturer. An honorarium might be offered for further recording of other Distinguished Lecture's topics (these further recordings must be significantly different, per evaluation of the Vice President which is responsible of the Educational Activities and the Resource Center).

DLP 2.0 (4)

7) Recording Distinguished Lectures

The Distinguished Lecturer appointment is limited to a 3-year term, renewable by application and approval of AdCom, with no limit on the number of terms that can be served.

All DL's appointed before September 3, 2021 have to apply to have their DL status renewed and approved by AdCom within 3 years by September 3, 2024.

Motion

The Distinguished Lecturer Committee moves to approve the revised version of the Systems Council Distinguished Lecturer (DLP 2.0).

- Pros:
  - Expand the DL program to address the growing needs for lectures
  - Limit the cost of the program for the increased number of lectures
- Cons: None
- Financial Implications: None
  The infrastructures for online lectures is already part of the standard operating expenses of the Council.

Clarifying the DL Reimbursement Policy

Motivations:

- Clarifying the reimbursement limits in the case of single sponsorship by SYSC or multiple sponsorship with other entities
- Clarifying the identification of the sponsors in the publicity material and presentation slides

Objectives:

- Define a standard process and limits for single and multiple sponsorships
- Define a standard information to be displayed in publicity and slides

DLP Reimbursement Policy (1)

IEEE SYSC Policy for handling reimbursements for Distinguished Lectures who are sponsored by the IEEE Systems Council and by other IEEE Societies/Councils or Institutions

This policy applies when an In-person Distinguished Lecture is given by a speaker who is a Distinguished Lecturer for the IEEE Systems Council is also a Distinguished Lecturer or similar for another IEEE Society/Council or external not-for-profit organization.

The Systems Council will reimburse 100% of the major travel cost to reach the city where the Lecture will take place, up to USD X, for a talk that is solely sponsored by the Systems Council. This means publicity, including the slides, promotes the talk as part of the IEEE Systems Council Distinguished Lecturer Program and the speaker as an IEEE Systems Council Distinguished Lecturer, and do not use other possible appointments as Distinguished Lecturer for other IEEE Societies/Councils or Institutions in publicity except in the speaker's biography.

DLP Reimbursement Policy (2)

The Systems Council will reimburse up to 1/(n +1) of the total major travel cost to reach the city where the Lecture will take place, up to USD X, for a talk that is jointly sponsored by the Systems Council and n other professional bodies or IEEE Organizational Units. In this case equal prominence must be given to the Systems Council and the speakers position as a IEEE Systems Council Distinguished Lecturer, as is given to their position with the other sponsoring non-for-profit organization(s).

Co-sponsorship by a local IEEE entity (e.g. a local Systems Council Chapter, IEEE Section or sub-Section, and Student Branch) or other not-for-profit local institution (e.g. a university, company, or local chapter of another professional body, etc.) are allowed. For removal of doubt, local sponsors may be listed alongside the technical sponsors.

The maximum reimbursement of USD X said above is USD 1,000 for travel within the same continent, and USD 1,500 for travel between different continents. Exception to these maximum limits can be considered on a case-by-case basis when multiple talks are offered in the same trip in different cities.

Motion

The Distinguished Lecturer Committee moves to approve the revised version of the DLP reimbursement policy.

- Pros:
  - Clarify the reimbursement limits in the case of single sponsorship by SYSC or multiple sponsorship with other entities
  - Clarify the identification of the sponsors in the publicity material and presentation slides
- Cons: None
- Financial Implications: None
  The maximum limits were already approved by AdCom.

IEEE Systems Council
Women in Systems Engineering (WiSE)

Holly A. H. Handley, PhD, PE

Fall 2023 AdCom Meeting

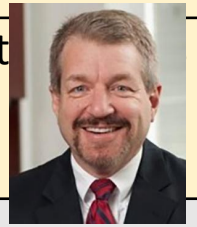
31 August – 1 September 2023

About WiSE

- Purpose: Focus on promoting women systems engineers and systems scientists, and inspiring others to pursue a systems-centric career.
- Goals: Strengthen our WiSE network and provide educational and mentoring opportunities.
- Membership: Composed of IEEE System Council members interested in participating in the WiSE Community.
  - ~ 100 Members
- Website: https://ieeesystemscouncil.org/about/women-systems-engineering

2023 Schedule of Events - Completed

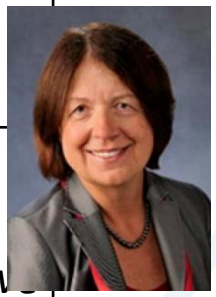
Month	Topic	Speaker
January		
February		
March 22 **11am-12**	Women in Science **WEBINAR**	Ashley Zauderer-VanderLey, Ph.D. National Science Foundation, Senior Advisor for Facilities
April 19 **6-7 pm**	Reception **IN-PERSON**	At SYSCON 2023 Vancouver, Canada April 16 - 21
May 3 **11am-12**	Women in Leadership **WEBINAR**	Maria Loreto Aguayo, RDML USN NAVFAC LANT NOR VA (USA)
June 14 **11am -12**	Joint with HSI Committee **WEBINAR**	Future of Systems Engineering Panel with HSI Committ Phil Barry, PhD & Steve Doskey, PhD
July		
August		



WiSE Reception @ SYSCON 2023!

2023 Schedule of Events - Upcoming

Month	Topic	Speaker
September 7 **12:30-1:30 PM**	WiSE ODU Student Cohort **Luncheon**	Social Luncheon for PhD Students from the College of Sciences and the College of Engineering
September 13 **11am -12**	Women in History **WEBINAR**	Bozenna Pasik-Duncan, Ph.D. *40 Years Later – Balancing between cultures with Control, Women in Control, Outreach and Humanitarian Mentorship In Diverse and Inclusive Communities*
October 18 **11am - 12**	WiSE ODU Student Cohort **Postponed**	Women Graduate Students Research Presentations **Joint with Local INCOSE Chapter – Moved to Spring 2024**
November 15	WiSE Leadership Meeting **Asynchronous**	Advisory Board Inputs Membership Survey **Opportunity for all to Provide Input**
December		



ODU – Old Dominion University, Norfolk, VA

Planning for 2024

Theme – Partnering with other Women Organizations

Calendar	Event	Speaker	Location
1st Quarter	Graduate Student Speaking Opportunity	WiSE ODU Student Cohort/ Local INCOSE Chapter	Virtual / In Person ODU
2nd Quarter	SYSCON Conference	In Person Meeting/ Reception	In Person Montreal
3rd Quarter	Partner event with INCOSE EWLSE - TBD	Alice Squires INCOSE Empowering Women Alice.Squires@incose.net	Virtual
4th Quarter	Partner event with IEEE NTC WIN - TBD	Kanika Singh, Ph.D. IEEE NTC WIN Chair kanika.ieee@gmail.com	Virtual

IEEE Systems Council
Chapters Report

Fabrice Labeau

Fall 2023 AdCom Meeting

31 August – 1 September 2023

IEEE Systems Council Committee on DEI

Bozenna Pasik-Duncan, Chair

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Current Status & Achievements

- Regular participation in the meetings of the TAB CDI and being engaged in 2 working groups on the TAB CDI Benchmarking and the TAB CDI Educational Resources.
- Joint event with IEEE CSS, SC, SSIT, International Federation of Automatic Control (IFAC), American Automatic Control Council (AACC), Society for Industrial and Applied Mathematics (SIAM) – Panel Session on Diversity, Equity, and Inclusion—A Necessity for Humanity, **Organizers: Prasanta Ghosh, Bozenna Pasik-Duncan, Amir Aghdam**, June 1, 2023, American Control Conference (ACC 2023), San Diego, CA: https://acc2023.a2c2.org/special-sessions-2/

In this global world we must work together in creating a workplace that is diverse, equitable, inclusive, and accessible for all. Diversity, equality, and inclusion enhance everyone's identity through acceptance and recognizing individuality. Looking back, we have seen that racism and implicit bias have led to a lack of diversity in workplaces, as related to women, people from underrepresented groups, cultural differences, and stereotyping. Therefore, despite many challenges, we must work together to find ways to create a workplace with an environment of opportunity for only brains and hearts. This panel will discuss the gaps in data, theory, and scale which in turn will point to future needed work in creating a diverse, equal, and inclusive work environment. We will have panel members with diverse expertise. Each panel member will first talk briefly about terminology and ways to promote the development of an equal, inclusive, and diverse workforce in academia, private, public, and volunteer organizations. The panel will provide a platform where engineers, scientists, medical doctors, and administrators will discuss and find ways to work together realizing that they are intrinsically tied to each other.

- Organizers: Members of the IEEE SC DEI Committee: B. Pasik-Duncan (Chair), A. Aghdam (Co-Chair), A. Fekih, P. Gosh, H. Handley, I. Mareels, R. Marimuthu

- What did we learn from the representatives of different societies/organizations:

- **IEEE CSS** Diversity, Outreach and Development (DOD) Committee under VP for DOD:

1. Launched Graduate Fellowship Program: https://ieeecss.org/awards/ieee-control-systems-society-graduate-collaboration-fellowship
2. Outreach Fund: https://ieeecss.org/activities/control-systems-society-outreach-fund
3. Women in Control (WIC): semiannual lunches at major control conferences, participation increases and exceeds 100, fully supported by CSS, well publicized activity in Control Systems Magazine, regular workshops on DEI at major control conferences

- **IFAC** has DI Committee at the Council Level:
  Increased by 30% of IFAC Female Fellows this year – organized DEI Day, July 8, 2023 at the IFAC WC with 3200 participants in Yokohama, Japan

- B. Pasik-Duncan, the recipient of the IFAC Foundation Inaugural Diversity & Inclusion Award Talk on DEI in IFAC and Beyond during her 30 years of leadership.

Challenges

1. Participation in person at the conferences.
2. Major challenge in DEI is how we can measure an impact of our activities and how we can engage all members of our SC community in the discussion on the importance of DEI and what DEI means to our members.

IEEE Systems Council
Life & Senior Committees Report

Walt Downing

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Current Activities

IEEE Life members

IEEE
Advancing Technology for Humanity

CERTIFICATE OF RECOGNITION

The IEEE Member Recruitment and Recovery Committee recognizes

Walter D Downing

For achieving outstanding member recruitment performance in the

Lone Star Section

for the 2023 membership year.

Ramalatha Marimuthu
Chair, 2023 IEEE Member Recruitment and Recovery Committee

- Monthly zoom meetings ✓
- Newsletter articles and announcements ✓
- Informal social gatherings at conferences ✓
- Strengthen affiliation and brand recognition/loyalty ✓
- Senior member initiative (Nominations & References) ✓
  - 27 elevated in 2022
  - 16 elevated in 2023 YTD (through July with 15 more in process)

IEEE SYSTEMS COUNCIL

Possible Future Activities

- History Articles ✓
- Supporting STEM Education ✓
- Mentoring
- Group Travel & Tech Tours
- Stepping-Stone Recognition
- Supporting Museums (e.g. IEEE History Center)
- Participate in inaugural IEEE Life Member Conference
  - Austin, Texas, April 14-16, 2024
  - Motion for Silver Sponsorship ($5,000)

By: Qusi Alqarqaz

Climate Change

IEEE: Enabling Innovation and Technology Solutions

Global Power System Transformation in Respect to Climate Change

Wei-Jen Lee, PhD , PE

Chair, IEEE TAB Climate Change Program

September 1, 2023

IEEE

IEEE PROPRIETARY

Humanity's Top Ten Problems for Next 50 Years

- Energy
- Water
- Food
- Environment
- Poverty
- Terrorism & War
- Disease
- Education
- Democracy
- Population

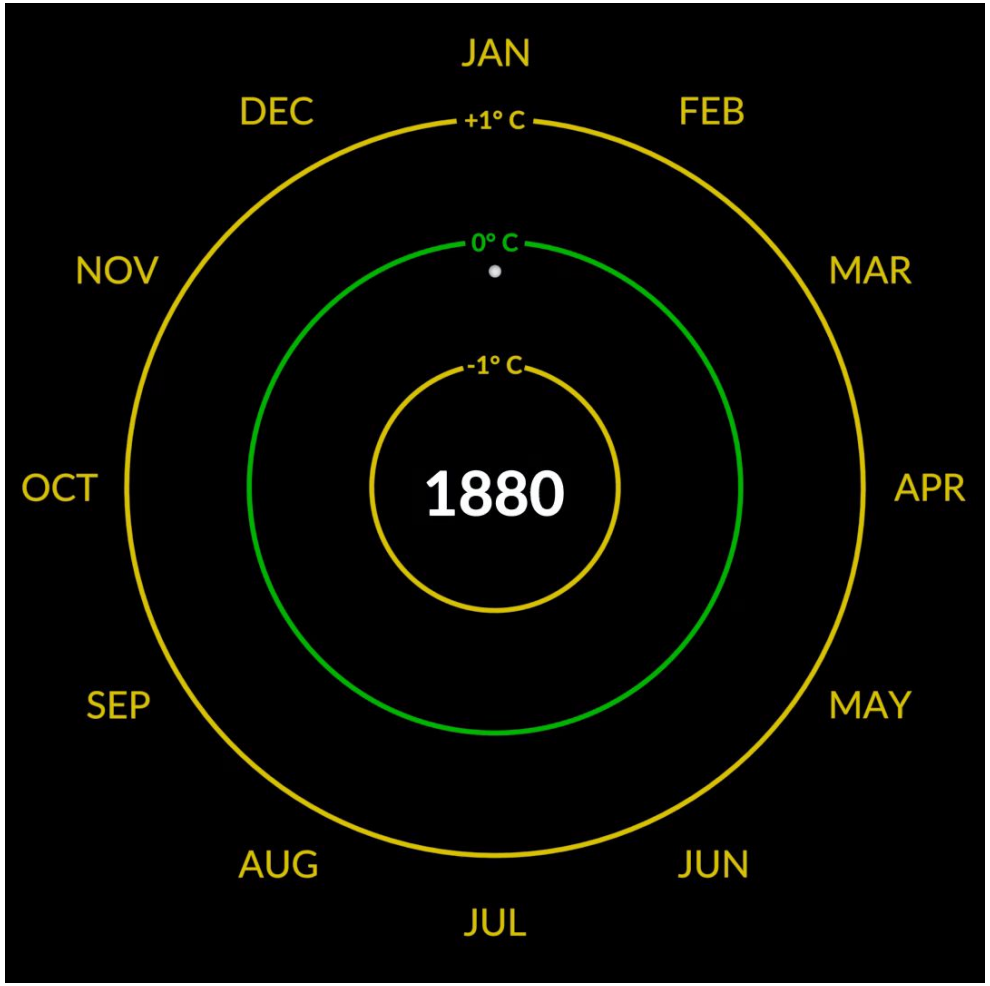
Source: Nobel laureate, Richard Smalley

2003: 6.3 Billion People
2050: 9-10 Billion People

UN SDG 17

Source: https://www.un.org/en/sustainable-development-goals

Temperature Variations from 1880 - 2021



Source: https://svs.gsfc.nasa.gov/4975

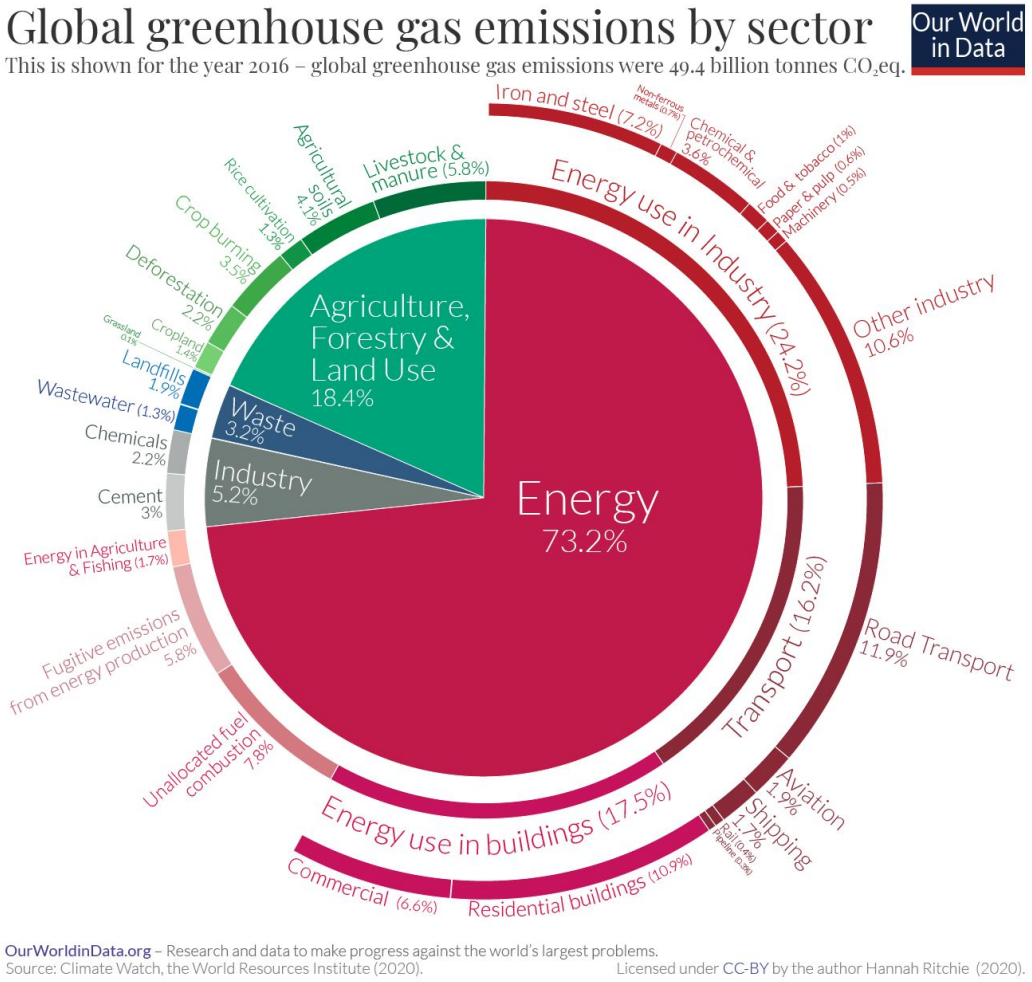
Act Now Before It is Too Late

- In the 2018 Intergovernmental Panel on Climate Change (IPCC) Report, the 1.5^{o}C goal would require the world to reach net zero emissions by 2050
- 2021 United Nations Climate Change Conference (COP26) concluded with nearly 200 countries agreeing to the Glasgow Climate Pact, which aims to limit the global temperature rise to 1.5^{o}C and finalize the outstanding elements of the Paris Agreement

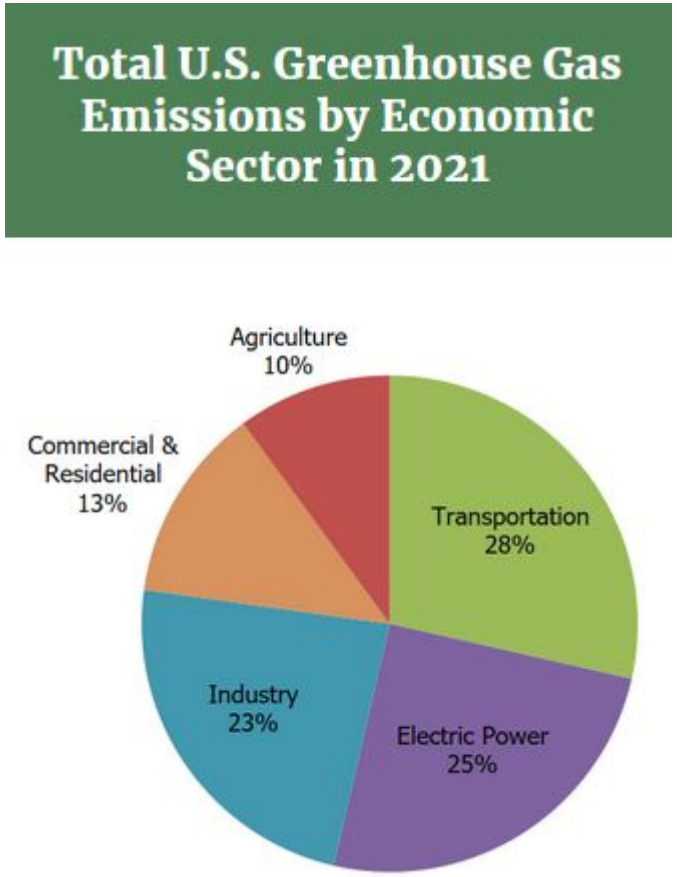
Key Takes Away of COP27

- The cover decision, known as the Sharm el-Sheikh Implementation Plan, highlights that a global transformation to a low-carbon economy is expected to require investments of at least USD 4-6 trillion a year
- Provide “loss and damage” funding for vulnerable countries hit hard by climate disasters
- COP27 saw significant progress on adaptation. New pledges, totaling more than USD 230 million, were made to the Adaptation Fund at COP27
- Young people in particular were given greater prominence at COP27. UN Climate Change’s Executive Secretary urges governments to incorporate the solutions put forward by young people in decision and policy making

Sources of Greenhouse Gas Emission



https://ourworldindata.org/emissions-by-sector



https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions

Global Power System Transformation for Climate Change Mitigation

- Phase out fossil fuel and replace it with cleaner energy sources
- Implement Carbon Capture, Utilization, and Storage (CCUS) technologies
- Shift from fossil fuels to renewable energy resources
- Deploy energy storage technologies to mitigate the intermittent renewable energy generation and ensuring a stable power supply
- Enhance grid infrastructure and interconnecting power systems regionally and globally to enable the efficient integration of renewable energy sources

Global Power System Transformation for Climate Change Mitigation

- Expand electrification across different sectors such as transportation, heating, and industry to reduce the reliance on fossil fuels and promote the use of clean energy resources
- Improve energy efficiency and promote demand-side management
- Establish global collaboration, policy coordination, and international agreements for accelerating the power system transformation
- Promote circular economy to decouple economic growth from resource consumption and waste generation.
- Invest in research and development of clean energy technologies, energy storage solutions, grid integration, and carbon capture technologies

Global Power System Transformation for Climate Change Mitigation

- Enhance the resilience of power infrastructure to withstand climate-related hazards
- Implement microgrids and decentralized energy systems to enhance the resilience of power supply during extreme weather events or natural disasters
- Promote demand response programs and load management techniques that allow power systems to dynamically adjust electricity consumption in response to supply and demand conditions
- Deploy energy storage systems at various scales to support climate change adaptation

Global Power System Transformation for Climate Change Mitigation

- Develop and implement early warning systems to help power system operators and communities prepare for and respond to climate-related events
- Promote global collaboration and knowledge sharing for advancing climate change adaptation in the power sector
- Integrate climate resilience considerations into power system planning and policy-making

Proactive Response from IEEE Communities

Dedicated Ad Hoc Committee and Program within IEEE

- Many technical societies and councils have established/launched climate changes programs within their domain of expertise
- The 2022 IEEE Ad Hoc Committee to Coordinate IEEE's Response to Climate Change (CCIRCC) identified ongoing efforts across IEEE and collaborated with key external partners for a comprehensive response.
- Planet Positive 2030: An initiative supported by the IEEE Standards Association (IEEE SA)
- **TAB Climate Change Program**: A Program within Technical Activity Board
- Climate Technologies Sustainability: An initiative supported by the IEEE Future Direction Committee (FDC)

Goals of IEEE TAB Climate Change Program

- Creating a platform for the collaboration of multiple Societies to develop holistic climate change mitigation/adaptation programs by:
  - Integrating components and devices into systems
  - Integrating hardware, software, and firmware
  - Integrating technology, policy, and humanity (DEI)
  - Identifying best practices
  - Developing joint standards
  - Developing new technologies and tools
  - Disseminating information
  - Providing educational content for workforce development

2023 Strategic Goals

Launch, expose, aggregate & amplify efforts within TA to support IEEE CC efforts

Launch

- **Climate Change Technical Committee**
  Membership Cart "Join"
  Including transition of Env Eng participants
- **Engage**
  IEEE Climate Change Collabratec Community
- **FDC Initiative**
  Climate Technologies Sustainability
  Including goal to launch Roadmap effort
- **IEEE SA Initiative**
  IEEE Planet Positive 2030
- **Collaboration with MSD Content Team**
  on oversight team of IEEE-Wide website including article ideation in support of TA

Expose/Aggregate

- Complete audit and inventory of CC efforts across IEEE to define a knowledge center for Climate Change (e.g. deliver tool, assess entries, dedupe and deliver into a knowledge center)
- Expose selected CC Content to larger audience
  - Conferences
  - Resource Center
  - DataPort

Amplify

- Promote virtual events by TA Units to larger Climate Change audiences
- Newsletter distribution to TA Climate Change TC

IEEE CONFIDENTIAL

Break

IEEE Systems Council
Subcommittee for Non-IEEE Systems Societies

Haifeng Zhu

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Current Status & Achievements

- Chair assumed duty in late April 2023
- Interacted with INCOSE in International Symposium in July 2023:
  - INCOSE SEBoK leaders suggested pairing up between TCs in Systems Council with WGs in INCOSE on similar topics and collaborate (e.g. contributing to and reviewing SEBoK articles)
  - Find faculty/students in IEEE community to help hyperlinking contents within SEBoK and identifying inconsistent links, perhaps by developing a tool to do that
- Opportunity of co-sponsoring Complex Adaptive Systems Conference
  - The conference has been running for 20 years successfully
  - Prof. Cihan Dagli (Missouri University of Science and Technology) discussed with me on the possibility of this conference to become an INCOSE conference and to seek co-sponsorship from IEEE as well

Challenges

- How to recruit more IEEE members to support

Action Items

- If we decide to co-sponsor Complex Adaptive Systems Conference, next AdCom meeting we will update the progress of this conference

IEEE Systems Council
Industry & Industry Professionals

Stamatis Karnouskos
email: karnouskos@ieee.org

IEEE Systems Council AdCom Meeting

Fall 2023 AdCom Meeting

Gaylord National Convention Center, MD

Call for Action

- Overall
  - Link with other relevant stakeholders within IEEE e.g., Industry Engagement Committee
  - Collaborate with other committees of the Systems Council and IEEE e.g., Systems Council Cooperation committee.
  - Advise/Engage with cross-society industry speakers in flagship events
  - Collect input from relevant stakeholders (e.g., survey)
- For 2023
  - Derive concrete 2024 actions
  - Revisit the industry survey (drive or park activity)
  - Plan industry engagements and outreach
- Members
  - Walter Downing (President)
  - Stephanie White (VP Member Services)
  - Wei Zhang (Reliability Society Representative)
  - Stamatis Karnouskos (IES Society Representative)
  - [some others expressed informal interest]

This is a call for participation! We need your input/involvement.

Agenda – Day 2

- ~~7:00-8:00 AM Breakfast in Presidential Room~~
- ~~8:00 AM Meeting Start~~
  - ~~IEEE European Public Policy~~
  - Member Services and Committees
  - **Member Society Roundtable**
  - Admin Updates
  - Parking Lot
- 12:30 PM Meeting Adjourn

Reliability Society – Jason Rupe

- shared DLs/webinar with co-sponsorship/travel funds, so the recordings can be shared by both entities
- possibility of having RS to be a technical sponsor for the System Council's publications such as IEEE System Journal
- opportunities of co-sponsored conferences
- promoting RS membership at System Council's conferences when RS reps are present at their conferences
- combined TCs, standards efforts

IEEE Systems Council
Member Society Round Table

Member Society Reps

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Reliability Society – Jason Rupe

-

Agenda – Day 2

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IEEE Systems Council
Administrative Updates

Amanda Osborn

Fall 2023 AdCom Meeting

31 August – 1 September 2023

Action Items

- Pending actions from meetings

Member Society Reps/MOUs

- Sending out letters to Presidents to solicit reps for 2024
- 2024-2025 MOUs
- Deadline: 1 December 2023
  - Does anyone have meetings that appoint reps after this deadline?

Parking Lot

- Old/New Business
- Time for additional discussions
- Adjourn Meeting