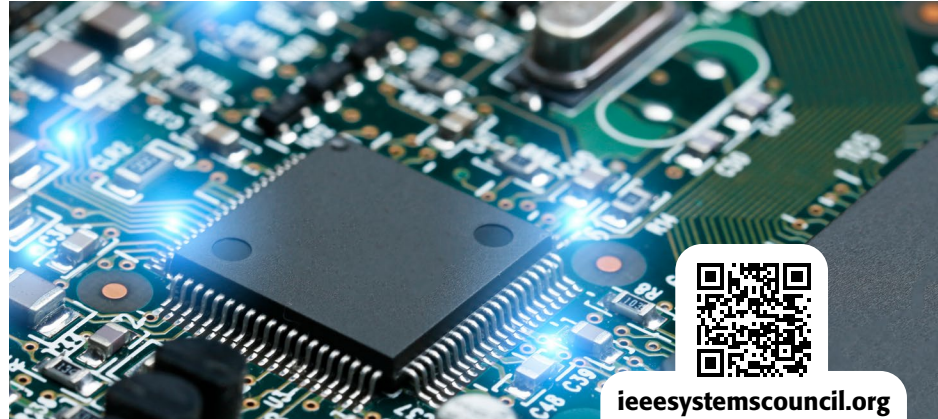# IEEE SYSTEMS COUNCIL
ANNOUNCEMENTS

ieeesystemscouncil.org

Purpose

The IEEE Systems Council promotes, encourages, and supports the technical, academic and application aspects of systems engineering and systems thinking through its own activities, and with its Society members through joint activities for the growth of Council Affiliate membership, member Society membership, and for addressing overall global challenges.

IEEE Systems Publications

IEEE Systems Journal

IEEE Systems Journal is the technical journal of the IEEE Systems Council and is published quarterly. This publication provides a systems-level, focused forum for application-oriented manuscripts that address complex systems and system of systems of national and global significance. It intends to encourage and facilitate cooperation and interaction among IEEE Societies with systems-level and systems engineering interest and to attract non-IEEE contributors and readers from around the globe.

Co-Sponsored Publications

- Journal on Miniaturization for Air and Space Systems (J-MASS)
- Open Journal of Systems Engineering (OJSE)
- Systems Engineering Body of Knowledge (SEBoK)
- Transactions on Big Data (T-Data)
- Transactions on Cloud Computing (TCC)
- Transactions on Privacy (T-P)

Newsletter

The SYSC publishes a quarterly newsletter. Visit the website to submit your society or chapter's event or initiative.

IEEE Activities

The Systems Council integrates IEEE activities regarding aspects of multiple disciplines and specialty areas of systems engineering, and covers, but is not limited to the following:

- » Systems engineering, education, standards, processes, and methodologies
- » Modeling, simulation, and integration related to design, testing, production, and support
- » Design aspects for robust design, human factors, safety, security, and usability
- » Risk management
- » Transition of products from design to production, deployment, and use
- » Quality control and system management
- » Program/product/project management interactions
- » Systems architecture

Member Societies

The IEEE Systems Council has 20 Member Societies including:

- » Aerospace & Electronic Systems Society
- » Circuits & Systems Society
- » Communications Society
- » Computer Society
- » Consumer Technology Society
- » Control Systems Society
- » Electromagnetic Compatibility Society
- » Industry Applications Society
- » Industrial Electronics Society
- » Information Theory Society
- » Instrumentation & Measurement Society
- » Microwave Theory & Techniques Society
- » Power Electronics Society
- » Product Safety Engineering Society
- » Reliability Society
- » Robotics & Automation Society
- » Society on Social Implications of Technology
- » Systems, Man, and Cybernetics Society
- » Technology & Engineering Management Society
- » Vehicular Technology Society

IEEE Systems Council Chapters

Chapters are concerned with representing and fulfilling the needs of the members in their specific geographical areas. Chapters allow members to meet face to face and host local activities.

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Chapters are encouraged to apply annually for financial support of up to $500 USD ($250 for Student Branch Chapters) to fund local SYSC chapter activities and small initiatives. Funding will be automatically approved upon completion of the form and review of the VP Member Services. There are no additional requirements.

For more information on how to create a Chapter please visit **ieeesystemscouncil.org/chapters.**

Awards

Outstanding Service
Prize: $1,000

To honor long and distinguished service to the SYSC at a level of dedication and achievement rarely demonstrated.

James O. Gray Scholarship
Prize $6,000

1 scholarship available
Recognizes students pursuing graduate studies in process control systems engineering, plant automation, or instrumentation measurement.

IEEE Systems Council Engineering Undergraduate Scholarship
Prize $5,000

2 scholarships available

Recognizes students pursuing their first professional degree in any engineering discipline.

IEEE Systems Journal Best Paper Award
Prize $500/author

Given annually to the papers deemed the best among those published in the ISJ during the preceding calendar year.

IEEE Systems Council Chapter of the Year and Student Branch Chapter of the Year

To recognize a Systems Council Chapter and a Student Branch Chapter for significant activity and service to its members.

Prize: $1,000

In addition, up to $1,000 to attend the award ceremony at a Systems Council-sponsored conference can be authorized by the Systems Council President.

For more information and to nominate, visit **ieeesystemscouncil.org/awards**

IEEE Systems Council Technical Committees

IEEE is committed to excellence. The IEEE Systems Council Technical Committees (TC) are designed to respond flexibly to any engineering interests, whether they be long-term or short-term. Current and potential Technical Committees include the following:

- » Analytics and Risk
- » Cyber Physical Systems
- » Human System Integration
- » Hyper-Intelligence
- » Intelligent Transportation Design
- » Networked Systems
- » Systems Biology and Biomedical Systems
- » Systems Education
- » Systems Engineering Methods
- » Security and Privacy in Complex Information Systems
- » Systems Thesaurus
- » Joint INCOSE/IEEE Systems Engineering and Software Interface
- » Joint IEEE Systems Engineering/TEMS TC on Carbon Neutrality

To learn more or to participate in a Systems Council Technical Committee, visit **ieeesystemscouncil.org/technical-operations**

Systems Council Conferences

SYSCON 2024
The 18th Annual IEEE International Systems Conference

2024 IEEE International Systems Conference (SYSCon)

April 15-18, 2024
Montreal, QC, Canada
ieeesyscon.org

The IEEE Systems Council is willing to sponsor, co-sponsor or technically co-sponsor conferences and workshops in its field of interest.

If you are interested in organizing a conference or workshop with the IEEE Systems Council, please submit a preliminary proposal to the VP Conferences by specifying title, location, dates, topics, general and program chairs, and expected number of attendees.

Full listing of conferences available on **ieeesystemscouncil.org/conferences**