IEEE Systems Council
Return on Involvement (RoI)

Systems Council Return on Involvement (RoI) is a value that is not tied to a dollar amount, but it does pay substantial dividends in the short and long term. The Council offers RoI to its IEEE member societies with a focus on publications, conferences, technical committees, chapters, Distinguished Lecturers, and other Systems Engineering Services that complement a member society's offerings. As a partner with the Systems Council, participants gain a source to turn to for advanced, relevant information that will aid in the implementation of sponsoring societies' goals and objectives. Participants also gain access to expert advisors who can assist in furthering systems outreach, education and advocacy efforts. Such participation, over time, can lead to innumerable opportunities to collaborate with peers and share industry best practices.

Please visit http://ieeesystemscouncil.org

This flyer summarizes the activities that member societies can gain from Systems Council operations and activities.

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

- Systems Engineering education, standards, processes, methodologies
- Systems modeling, simulation, integration, resilience
- Robust design, safety and human factors, security, usability, environmental
- Product transition: design, production, test, deployment, disposal
- Program/project management
- Quality and Mission Assurance
- Requirements Development and Management
- Risk Management
- Systems Architecture
- Systems-of-Systems

The overall objective of the Council is to promote and participate in multi-Society/Council and multi-association activities in support of mutual activities and objectives. Activities where we encourage engagement include the following:

- Potential opportunities to cosponsor conferences and establish cooperative interactions with Member Society conferences
- Jointly sponsor new journals and magazines in important emerging areas of common interest
- Establish a joint Distinguished Lecturer program
- Jointly develop standards
- Look for areas of common interest and opportunities therein
- Engage in a joint technical community approach

Each Member Society is entitled to two representatives on the Administrative Committee (AdCom) of the IEEE Systems Council. One representative is designated as the primary or voting member and the other shall be the secondary, non-voting member. The Systems Council AdCom meets two times per year and the travel for these representatives is the responsibility of the Member Society.

Highlights of the Systems Council

Systems Council Conferences
(100% sponsor)

IEEE International Conference on Recent Advances in Systems Science and Engineering (RASSE) is an annual conference held each winter in Asia, with an average of 60-70 attendees.

ieeerasse.org

IEEE International Systems Conferenc (SysCon) is an annual conference held each spring in North America and averages 225-250 attendees.

ieeesyscon.org

IEEE International Symposium on Systems Engineering (ISSE) is an annual conference held each fall in Europe, averaging 90-100 attendees.

ieeeisse.org

For a full list of conferences, visit:
ieeesystemscouncil.org/conferences

Systems Council Publications
(100% sponsor)

IEEE Systems Journal - 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.

ieeesystemscouncil.org/publication/ieee-systems-journal

Shared Publications

IEEE Open Journal on Systems Engineering (OJSE) (40%), IEEE Journal of Miniaturized Air and Space Systems (J-MASS) (35%), IEEE Transactions on Cloud Computing (TCC) (7%), and IEEE Transactions on Big Data (5%)

Technical Committees

- 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

ieeesystemscouncil.org/technical-operations

Distinguished Lecturer Program

This program provides subject matter experts who are willing to speak to IEEE Chapters, Sections, Societies, and Councils.

ieeesystemscouncil.org/distinguished-lecturers

IEEE Systems Council Chapters

Chapters are organized by local groups with interest in promoting systems. The Council website identifies the leadership of Systems Chapters:

ieeesystemscouncil.org/chapters

Member Societies

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

ieeesystemscouncil.org/member-societies

Council Membership Benefits for Societies

Member Societies control the Council

1. Each Member Society appoints two representatives, one of which holds a voting seat on the Administrative Committee. Thus, each society has direct influence in the Council's direction and future initiatives.

The Council is not in competition for society members

2. Councils have no dues-paying members, only Member Societies. Therefore, there is no competition in society membership between Member Societies and the Systems Council.

The Council offers visibility to its Member Societies

3. The Council's website links to each Member Society's home page.
4. Member Society websites and flagship conferences are advertised in the quarterly Systems Council newsletter.
5. Member Societies also have the option to disseminate advertising material at the IEEE International Systems Conference and the International Symposium on Systems Engineering.

The Council offers services to Member Society members

6. Systems Council Distinguished Lecturers are available. They have presented at conferences and chapter meetings. The Systems Council's Distinguished Lecturer Program (DLP) promotes the field of systems to the broad engineering and scientific community, and to the public at large.

7. The Council delivers value to your society members who are technology-focused IEEE members whose careers involve systems technology research, development, and its applications. This is accomplished through technical conferences, presentations, standards and publications. Society members interested in systems can form or join local Systems Chapters.

8. Member Societies (or groups of societies) can choose to partner with the Council in joint ventures.