

IEEE Systems Council Overview

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Justification & Activities

- ▶ IEEE Societies disconnected from industry and practice
 - Primarily academic members and publications
- ▶ IEEE Systems Council focused on fostering tighter integration between industry and IEEE
 - Publications and conferences primarily geared to the needs of industry
- ▶ The council is solvent and growing

▶ Publications

- IEEE Systems Journal
- They are also considering a magazine

Year	Submitted	Published	Rejected	Withdrawn	In-process
2016	781	117	550	18	96

▶ Conferences

- IEEE International Systems Conference (Last time: Orlando, FL)
- IEEE International Symposium on Systems Engineering (Last time: Edinburgh, UK)

Conference Statistics

International Systems Conference

- ▶ **247 abstracts submitted**
 - 122 final papers (49% acceptance)
- ▶ **200 attendees, 26 countries**
- ▶ **43% Industry, 0.5% government, 49.5% academia**

USA: 80

UK: 6

UAE: 1

Turkey: 2

Tunisia: 1

Sweden: 6

Saudi Arabia: 1

Norway: 1

Netherlands: 1

Malaysia: 1

Japan: 2

Israel: 4

Ireland: 3

Iran: 1

India: 5

Germany: 12

France: 7

Ecuador: 1

Denmark: 2

Czech Republic: 1

China: 9

Canada: 21

Cambodia: 1

Brazil: 4

Austria: 2

Australia: 6

Societies

- ▶ Aerospace and Electronic Systems
- ▶ Circuits and Systems
- ▶ Computational Intelligence
- ▶ Communications
- ▶ Control Systems
- ▶ Instrumentation and Measurement
- ▶ Microwave Theory and Techniques
- ▶ Oceanic Engineering
- ▶ Power Electronics
- ▶ Product Safety Engineering
- ▶ Robotics and Automation
- ▶ Systems, Man, and Cybernetics

Technical Committees

Existing

- ▶ Analytics and Risk
- ▶ Cyber-Physical Systems
- ▶ Industrial Interface
- ▶ Intelligent Transportation Design
- ▶ Networked Systems
- ▶ Security and Privacy in Complex Information Systems
- ▶ Systems Biology and Biomedical Systems
- ▶ Workforce Development

These technical committees were in existence as of 2016.