

# Exploring links between IES Technical Committees and IES Conference Organization

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VP-Technical Activities



# 2017 list of IES TCs & Chairs

#	Technical Committee on	Chair as of Jan 2017	
1	Building Automation, Control, and Management	Joern Ploennigs	Ireland
2	Cloud and Wireless Systems for Industrial Applications	Gerhard Petrus Hancke	Hong Kong
3	Control, Robotics & Mechatronics	Yasuharu Kunii	Japan
4	Data Driven Control and Monitoring	Ligang Wu	China
5	Education in Engineering and Industrial Technologies	Andreja Rojko	Germany
6	Electrical Machines	Franck Betin	France
7	Electronic Systems on Chip	Ray Cheung	Hong Kong
8	Energy Storage	Federico Baronti	Italy
9	Factory Automation	Lucia Lo Bello	Italy
10	Human Factors	Sho Yokota	Japan
11	Industrial Agents	Stamatis Karnouskos	Germany
12	Industrial Cyber-Physical Systems	Armando W. Colombo	Germany
13	Industrial Informatics	Valeriy Vyatkin	Sweden
14	MEMS & Nanotechnologies	Carmen Aracil	Spain
15	Motion Control	Toshiaki Tsuji	Japan
16	Network-based Control Systems and Applications	Qing-Long Han	Australia
17	Power Electronics	Haitham Abu-Rub	Qatar
18	Renewable Energy	Concettina Buccella	Italy
19	Resilience and Security for Industrial Applications	Mo Yuen Chow	USA
20	Sensors and Actuators	Yasutaka Fujimoto	Japan
21	Smart Grid	Pierluigi Siano	Italy
22	Standards	Victor Huang	USA
23	Transportation Electrification	Akshay Rathore	Canada

TC-#06 Electrical Machines  
TC-#08 Energy Storage  
TC-#17 Power Electronics  
TC-#18 Renewable Energy  
TC-#21 Smart Grid  
TC-#23 Transportation Electrification

## Energy cluster

**TC Clustering  
(as approved at  
Edinburgh AdCom)**

## Sensors and Control cluster

TC-#03 Control, Robotics & Mechatronics  
TC-#04 Data Driven Control and Monitoring  
TC-#14 MEMS & Nanotechnologies  
TC-#15 Motion Control  
TC-#16 Network-based Control Systems and Applications  
TC-#20 Sensors and Actuators

TC-#01 Building Automation, Control, and Management  
TC-#02 Cloud and Wireless Systems for Industrial Applications  
TC-#09 Factory Automation  
TC-#11 Industrial Agents  
TC-#12 Industrial Cyber-Physical Systems  
TC-#13 Industrial Informatics

## Information and Communication Technologies cluster

## Emerging and Cross-disciplinary cluster

TC-#05 Education in Engineering and Industrial Technologies  
TC-#07 Electronic Systems on Chip  
TC-#10 Human Factors  
TC-#19 Resilience and Security for Industrial Applications  
TC-#22 Standards

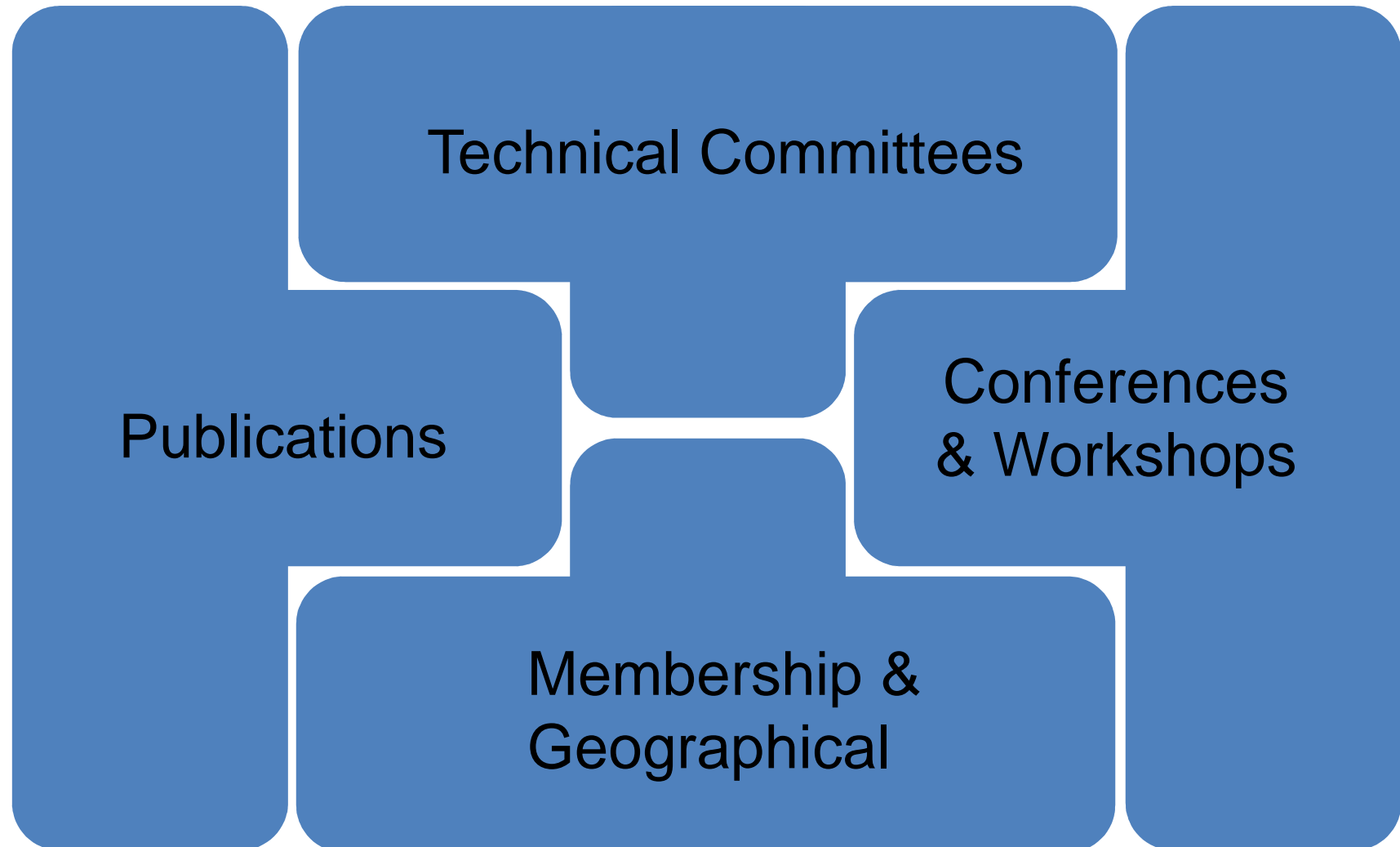
# Sponsored conferences versus technical sponsored conferences

- Sponsored Conferences
  - Broad coverage of Industrial Electronics
    - IECON, ISIE, ICIT
  - Focused Conferences
    - INDIN, ETFA, ICM, WFCS, ICPS, POWERENG/CPE, ...
- Co-sponsored Conferences (with other IEEE OUs)
  - IROS, AIM, SII, IEMDC, ...
- Technically Co-Sponsored Conferences

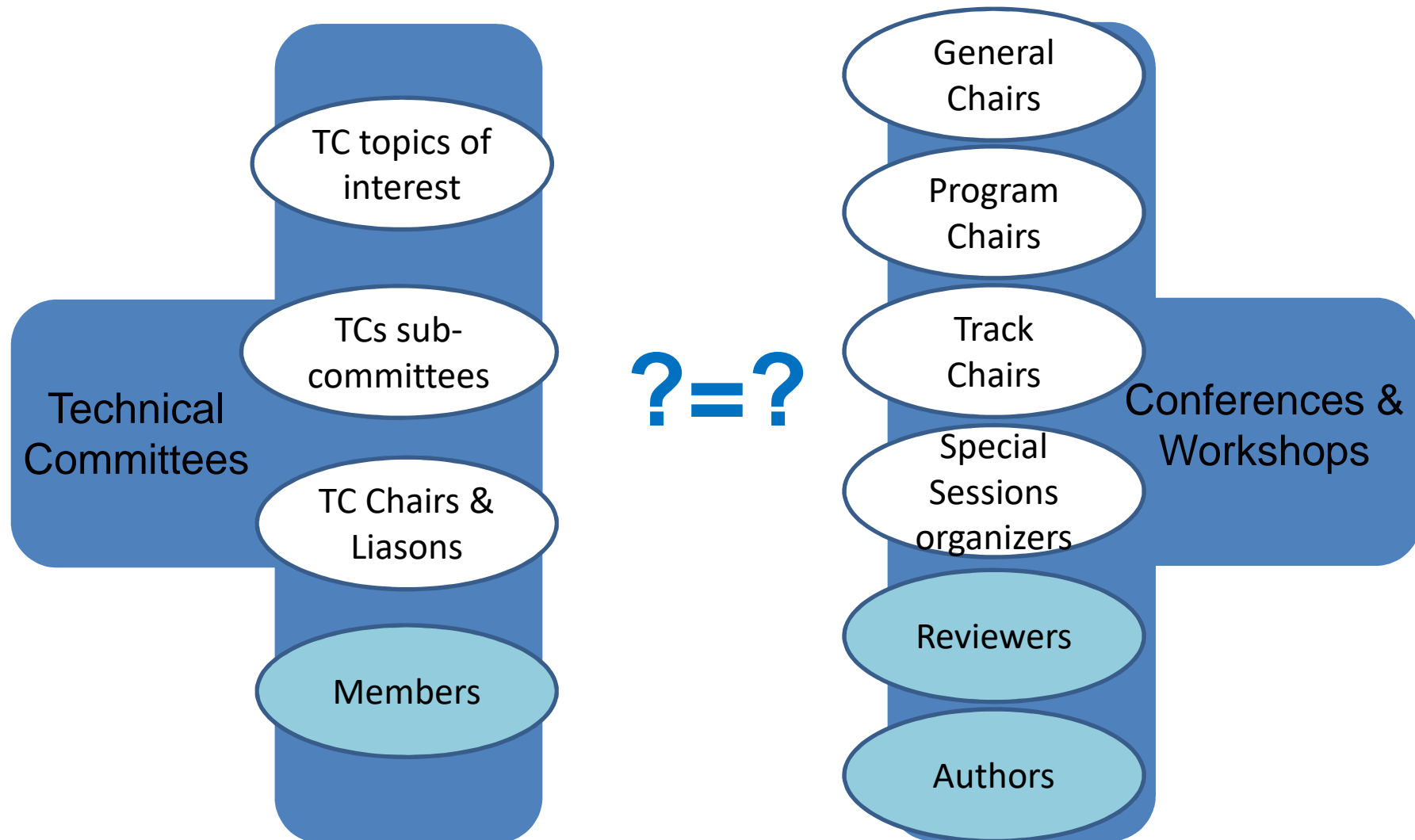
# Common contributions from TCs to conference organization

- Supporting technical program in several ways:
  - Recommending Tracks and Track Chairs
  - Manage the review process
  - Providing reviews to the submitted papers
  - Promoting tutorials and recommending invited speakers
- Launching Special Sessions

# Liaisons of Technical Committees with Conferences&Workshops, Publications, and Membership&Geographical Units



# How TC roles and structure match/impact the conference Organization needs?



# Where to get additional Information?

- Contacting VP-Technical Activities
- Contacting TC Chairs and/or TC Liaison for Conferences/Workshops
- Information available at IES website under Directory → Technical Committees

(<http://www.ieee-ies.org/members/technical-committees>)