

TC ANNUAL REPORTING FORM

IMS Technical Committee

TC32 – Fault Tolerant Measurement Systems

Reporting period

Starting date (dd/mm/yy)	Ending date (dd/mm/yy)	Date of submission (dd/mm/yy)
01/01/24	31/12/24	25/03/24

NA

Website	https://ieee-ims.org/technical-committee/tc-32	Last update (mm/yy)
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TC Chair or co-Chairs

First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	Date of election
Ye Chow		Kuang	University of Waikato			Yechow.kuang@waikato.ac.nz	2012
Ciani		Lorenzo	University of Florence	90341368		lorenzo.ciani@unifi.it	2016

Secretary (check the right box)

Present ☐ Not Present ☐

First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	Date of election
Melanie		Ooi	University of Waikato			Melanie.ooi@waikato.ac.nz	2014

TC Membership list^(*)

First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	TC assignments (joining year)
Gourab		Sen Gupta	Massey University			g.sengupta@massey.ac.nz	2012
Arvind		Rajan	Brookfield Asset Management			arvindrajan92@gmail.com	2016
Vincenzo		Piuri	University of Milan			vincenzo.piuri@unimi.it	2010

^{*} Please add as many rows as needed

TC mission – field of expertise (max. 1000 char. Including spaces)

The goals of this Technical Committee are to promote the research activities to cover all aspects of theory and practice of fundamentals:

- reliable computing for instrumentation and measurement;
- reliable architecture for instrumentation;
- reliable computing for instrumentation and distributed sensors in a harsh environment.

TC meetings in the reporting period^(*)

Date (dd/mm/yy)	Online / Face2Face	Attendance (number)	TC Members	Information sent within 4 months to (Yes/No)		
				Chair of TSAC	IM Magazine	Other (specify)
22/05/24	Online and Face2Face	4	Ye Chow Kuang, Lorenzo Ciani, Melanie Ooi, Serge Demidenko			

Minutes of the yearly meeting (separate file)¹:

Participation in Society sponsored Events (Conferences, Symposia, Workshops)^(*)

Name of the Event	Starting date (event) (dd/mm/yy)	Ending date (event) (dd/mm/yy)	Date Participation (dd/mm/yy)	Type of participation (Yes/No)			
				Sponsorship	Session	Tutorial	Other (specify) ²
IEEE I2MTC 2024	20/05/24	23/05/24	All conference days	Instrumentation and measurement for reliable, safe and sustainable applications			Lorenzo Ciani - ATPC
2024 IEEE INTERNATIONAL WORKSHOP ON Metrology for Industry4.0 & IoT	29/05/24	31/05/24	All conference days				Lorenzo Ciani – General Chair
2024 IEEE INTERNATIONAL WORKSHOP ON	26/06/24	28/06/24	All conference days	Measurement for Improving Quality,			

¹ Yes/No, date of the yearly meeting;

² For example, Involvement in reviewing papers (and indicate approximate number of paper reviews for the listed event)

* Please add as many rows as needed

Metrology for
Automotive

Reliability and
Safety in
Automotive
Applications

Involvement in standard development^(*)

Standard	Working Group	Revision	Activity in the reporting period, including dates	Notes, attendance
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Participation in the development of Society Educational Programs^(*)

Program name	Involvement of chapters and sections	Activity in the reporting period, including dates	Notes, attendance
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Other Activities (tutorials, teaching, career, cooperation, publications, joint activity with chapters or sections)^(*)

Type of activity	Starting date (dd/mm/yy)	Ending date (dd/mm/yy)	Activity in the reporting period	Notes, attendance
IEEE TIM			Senior Area Editor, Associate editor, reviewers	Outstanding associate editor Outstanding reviewer
IEEE OJIM			Guest editors, reviewers	
IEEE Access			Associate editor, reviewers	
IEEE IMS Magazine			Editor in Chief, contributors, reviewers	

Recommended candidates^(*)

Type (ADCOM, Fellow, Award)	First Name	Second Name	Family Name	Affiliation /Address	Motivation
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* Please add as many rows as needed



–specify–)

TC operating Plan: near-term plans for the upcoming year, including scheduled meetings, activities, and so on (max. 1000 char. Including spaces)

TC operating plan:

The main members of TC32 will still contribute through ADCOM, IEEE TIM editorial and review as well as running special sessions for major I&M Society conferences. Several TC32 members are looking into the possibility of forging alliance of international workforce training program with transferable credits.

TC convergence, synergy, cooperation with other TC, from I&M or other societies (max. 1000 char. Including spaces)

Comments/Suggestions (max. 1000 char. Including spaces)

* Please add as many rows as needed

