

TC ANNUAL REPORTING FORM

IMS Tec	hnical	Commi	ittee
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	nals and Sy	stems in M	Ieasurement				
Reporting	period						
Starting date	e (dd/mm/yy)	Ending date	e (dd/mm/yy)		Date of submission (dd/	/mm/yy)
01/01/2024			31/12/2024			31/1/2024	
Website						Last	update (mm/yy
https://iee	ee-ims.org/	technical-c	ommittee/tc-()7			
TC Chair o	r co-Chairs						
First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	Date of election
Ruqiang		Yan	Xi'an Jiaotong University	41600650	+861358405	54760 yanruqiang@xjtu.edu.cr	1
Shibin		Wang	Xi'an		+868202944	4018 angshibin2008@xjtu.ed	u.cn
			Jiaotong Univesity				
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Secretary	(check the Second Name		Univesity Preser	ion Memb	bership Ph	none e-mail address	Date of election
	Second	right box)	Univesity Preser Name Affiliat	ion Meml	bership Ph		
Secretary First Name	Second	right box) Family	Univesity Preser Name Affiliat	ion Meml	bership Ph		
Secretary First Name TC Membe	Second Name	right box) Family	Univesity Preser Name Affiliat	ion Meml	bership Ph		election TC assignments
Secretary First Name TC Member	Second Name ership list ^{(*} Second	Family	Preser Name Affiliat /Addre	ion Memb	bership Ph er	none e-mail address	election TC assignments
Secretary First Name	Second Name ership list ^{(*} Second	Family Name	Preser Name Affiliat /Addres Affiliation /Address University of Electronics Science and Technology	ion Memb	bership Ph er	e-mail address	TC assignments (joining year

^{*} Please add as many rows as needed



Lingfei	Mo	Southeast University			lfmo@seu.edu.cn	2014
Chuang	Sun	Xi'an Jiaotong University			ch.sun@xjtu.edu.cn	2018
Xingwu	Zhang	Xi'an Jiaotong University			xwzhang@mail.xjtu.edu.cn	2018
Susanna	Spinsante	Università Politecnica delle Marche	41596910	+39 071 220 4102	s.spinsante@staff.univpm.it	2022
Grazia	Iadarola	Polytechnic University of Marche	93782168	+39 3887694408	g.iadarola@staff.univpm.it	2022
Chengyu	Liu	Southeast University	92815226	+86- 15952039150	chengyu@seu.edu.cn	2020

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

Promote the understanding of the discipline of Systems Engineering in the field of Instrumentation & Measurement;

Explore modeling and signal processing techniques which can greatly enhance test methodology, accuracy and efficiency through effective implementation of systems engineering;

Develop standards or implementation guides as the science develops;

Maintain liaison with other groups, societies, and standards activities working in the same area

TC meetings in the reporting period^(*)

Date	Online /	Attendance	Attendance Information sent within 4 months to (Yes/No)				
(dd/mm/yy)	Face2Face	(number)	TC Members	Chair of TSAC	IM Magazine	Other (specify)	
01/11/2024	Face2Face	12	4			TC meeting at ICSMD2024	
14/06/2024	Face2Face	8	4			TC meeting for organizing ICSMD2024	
15/03/2024	Face2Face					International Workshop on Big Data and AI-Driven Fault Diagnosis for Industrial Applications	

Minutes of the yearly meeting (separate file)1:

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

Name of the Event	Starting date (event)	Ending date (event)	Date Partecipation	Type of participation (Yes/No)

¹ Yes/No, date of the yearly meeting;

^{*} Please add as many rows as needed



	(dd/mm/yy)	(dd/mm/yy)	(dd/mm/yy)	Sponsorship Session	Tutorial	Other (specify) ²
2MTC2024	20/05/2024	23/05/2024				Review papers, chair sessions
CSMD2024	31/10/2024	03/11/2024		Yes		Organizing conference

Involvement in standard development(*)

Standard	Working Group	Revision	Activity in the reporting period, including dates	Notes, attendance
N/A				

Participation in the development of Society Educational Programs^(*)

Program name	Involvement of chapters and sections	Activity in the reporting period, including dates	Notes, attendance
IMS mentor program		Mentoring one IMS student member, published one paper to IEEE TIM	

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
Publications			Publish one paper in IEEE Instrumentation and Measurement Magazine	Terahertz technique: a non-destructive testing method for composite defect detection", Vol. 27, No.9, pp.12-23, December 2024.
Teaching	29/02/2024	17/05/2024	Teaching in Intelligent Sensing and Measurement Technology for undergradute at Xi'an Jiaotong University	9

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



Recommended candidates(*)

Type (ADCOM, Fellow, Award –specify-)	First Name	Second Name	Family Name	Affiliation /Address	Motivation
Award:J. Barry Oakes Advancement Award	Liuyang		Zhang	Xi'an Jiaotong University	Dr. Liu is an excellent young scholar working in the area of NDT, especially for Tereheze sensing
Fellow	Weihuai		Li	South China University of Technology	Nominating candidate for IEEE Fellow

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

TC-7 will provide support for I2MTC 2025, organize ICSMD2025, ICEIOM2025 conference, help IMS for the Mentor Program, and work with local chapters to deliver lectures for student in China Universities.

TC operating plan: long term vision from 2-5 years out, based on IMS Strategic Plan, including areas of strength, areas for improvement, how is the subject area going to change, planned actions for lifting achievement succession plans etc. (max. 1000 char. Including spaces)

TC-7 will have regular meetings, organize annual conference on sensing, measurement and data analytics in the era of artificial intelligence (ICSMD), and also propose special sessions in I2MTC conference. TC-7will also propose new standard on helicopter health monitoring.

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

Work together with TC-3 to organize International Conference on Sensing, Measurement and Data Analytics in the Era of Artificial Intelligence(ICSMD2024), Huanshan, China, October 31- November 3, 2024.

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

N/A

^{*} Please add as many rows as needed