

TC 6 ANNUAL REPORTING FORM FROM JANUARY 2024 TO DECEMBER 2024

IMS Technical Committee

TC-6 - Emerging Technologies in Measurements

Reporting period

Starting date (01/01/24)

Ending date (31/12/24)

Date of submission (20/01/24)

Website <http://ieee-ims.org/technical-committees>

Last update (mm/yy)

TC Chair or co-Chairs

First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	Date of election
Loredana		Cristaldi	Politecnico di Milano	41418001		Loredana.cristaldi@polimi.it	

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
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TC Membership list^(*) I have not received the TC Membership list, I have received the interest of:

First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	TC assignments (joining year)
Francesca		Mancino	DIETI-UNINA	99227102	+39 392 730 2201	francesca.mancino2@unina.it	2023
Ludovica		Gargiulo	DIETI-UNINA	98245256	+39 331 595 6961	ludovica.gargiulo@unina.it	2023
Angela		Natalizio	Polito	98245163	+39 349 009 0002	angela.natalizio@polito.it	2023
Giovanni		D'Errico	Polito	98245199	+39 349 646 6336	giovanni.derrico@polito.it	2023
Sabatina		Criscuolo	DIETI-UNINA	98245262	+39 331 413 6794	sabatina.criscuolo@unina.it	2023
Giusy		Carleo	DIETI-UNINA	98245004	+39 347 923 3139	marisa.pesola@unina.it	2023

* Please add as many rows as needed

Antonio		Esposito	DIETI-UNINA	93782945	+3903315665603	antonio.esposito9@unina.it	2023
Fabio		Schreiber	POLIMI	05809447 (Life Senior Member)	+390223993715	fabio.schreiber@polimi.it	2024
Alessandro		Ferrero	Polimi	08712531 (Life Fellow member)	+390223993715	Alessandro.ferrero@polimi.it	2024

Other members: Pasquale Arpaia (40345775), Nicola Moccaldi (95787622). Four other persons are interested to TC06 activities even if are not IEEE members: Professor Flaviana Tagliaferri, University of Applied Sciences, Technikumplatz 17 | 09648 Mittweida, tagliafe@hs-mittweida.de
 Dr. Chiara Tagliaferri, technologist at CNR (National Research Council) STIIMA chiara.tagliaferri@stiima.cnr.it, Prof. Letizia Tanca and Prof. Davide Martinenghi: both join Politecnico di Milano, DEIB Department.

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

The goals of this Committee are to:

- Stimulate interest in researchers and practitioners in emerging technologies in the application of same in the field of instrumentation, measurement, and test;
- Address the increasing demand of emerging technologies in performance and functionality;
- Disseminate use and knowledge of emerging technologies in I & M fields to the academic and scientific communities;
- Provide forums such as workshops and conferences where such new and emerging technologies can be discussed;
- Promote the utilization of such technologies in real applications;
- Maintain liaison with other groups, societies, and standards activities working in the same fields.

NONE

TC meetings in the reporting period^(*) : during these meeting we have discussed about the joint activities with Res4Net (the number of attendance takes into account no IEEE members)

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)
16/01/2024	online	15	X			
05/02/2024	online	13	X			
20/03/2024	online	10	X			
18/04/2024	online	10	X			
09/05/2029	online	8	X			

* Please add as many rows as needed

13/06/2024	online	10	X
16/07/2024	online	8	X
17/10/2024	online	9	x
12/10/2023	online	10	5
09/11/2023	online	12	6
28/11/2023	online	9	6
19/12/2023	online	14	5

Minutes of the yearly meeting (separate file)¹: No

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

TC06 members have participated to I2MTC2024.

TC06 members have collaborated to the organization of MetroXRINE 2024. The conference was held in St. Albans (UK) from 21 to 23, October 2024. TC06 has helped the General Chair to organize the 43 Special Session, the 3 panels and the 4 special events.

TC06 has continued the activity of peer-review of technical articles (not only MetroXRINE).

TC06 is working to the organization of MEtroXRINE 2025 that will be held in Ancona (Italy) from 22 to 24, October 2025

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
<i>MetroXRINE2024</i>	21/10/2024	23/10/2024	v	x	x		TC06 has participated to the organization of the conference and in particular in the organization of ID4MetroXrAi special event
<i>Seminar: Data Quality and Ethics</i>	21/11/2024	21/11/2024	21/11/2024	x			TC06 has participated to the organization of the seminar and sponsored it
<i>Seminar: Teaching Communication Skills to Engineering Students: Lessons learned from 20 Years of Experience</i>	17/12/2024	17/12/2024	17/12/2024	x			TC06 has participated to the organization of the seminar and sponsored it
<i>Seminar: The role of measurements in the National Recovery and Resilience Plan (NRRP) of Italy</i>	30/12/2024	30/12/2024	30/12/2024	x			TC06 has participated to the organization of the seminar and sponsored it

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

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^(*)

Apply efficient recruitment strategies for the Society; Activity promoted by means of Politecnico SB; relationship with WIE. During MetroXRAINE SB Politecnico was involved in the organization and in the Youth Program of the conference.

TC06 has supported the International Ph.D. School "Italo Gorini" 2024

Collaboration with students of the course of study in Media Language (they helped us to improve the communication of TC6 and Res4NET) Università Cattolica del Sacro Cuore, University of Milan, Italy

Program name	Involvement of chapters and sections	Activity in the reporting period, including dates	Notes, attendance
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Activity with Politecnico SB chapters

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
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IEEE Professional Communication Society, Italian Chapter

* Please add as many rows as needed

Recommended candidates^(*)

Type (ADCOM, Fellow, Award –specify-)	First Name	Second Name	Family Name	Affiliation /Address	Motivation
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TC operating Plan: near-term plans for the upcoming year, including scheduled meetings, activities, and so on (max. 1000 char. Including spaces)

234/5000

Reorganize the network of relationships to activate support to new activities. In particular, continue to consolidate the relationship with University of Applied Sciences (Mittweida, Germany).

Continue to consolidate the relationship with National Research Council on the transition from Industry 4.0 to Industry 5.0 topic.

Request the collaboration of the Student Branch.

Participate to the organization of MetroXRAINE2025

Continue the liaisons with IEEE Professional Communication Society, Italian Chapter and the research network Res4Net

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)

Promoting TC6 activities and idea via publications, presentations, conference organization, seminars and providing educational courses for students and engineering specialists.

Involving researchers coming from Academia or National Research Council on the transition from Industry 4.0 to Industry 5.0 topic

Involve people coming from industry in order to propose with them activities on industrial issues (in particular on the Industry 4.0 topic)

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

^{*} Please add as many rows as needed



field.

In particular, we want to continue the liaison with Res4NET group

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

Explore cooperation with TC32 (measurement in Power System) and, in particular, TC 32 (Fault tolerant Measurement Systems)

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

None

* Please add as many rows as needed