

## TC ANNUAL REPORTING FORM

IMS Technical Committee

TC39 Measurements in Power Systems

Reporting period

Starting date (dd/mm/yy)

Ending date (dd/mm/yy)

Date of submission (dd/mm/yy)

01/01/2024

31/12/2024

04/02/2025

Website

Last update (mm/yy)

<https://ieee-ims.org/technical-committee/tc-39>

TC Chair or co-Chairs

First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	Date of election
Carlo		Muscas	University of Cagliari	40291253	+390706755860	carlo.muscas@unica.it	May 2015

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
Sara		Sulis	University of Cagliari	41611747	+390706755875	sara.sulis@unica.it	April 2020 (appointed by TC chair as per the TC P&Ps)

TC Membership list<sup>(\*)</sup>

First Name	Second Name	Family Name	Affiliation /Address	Membership number	Phone	e-mail address	TC assignments (joining year)
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\* Please add as many rows as needed

	Name	Affiliation	Country	Email address	Date of membership
1	Carlo Muscas	University of Cagliari	Italy	carlo.muscas@unica.it	October 2015
2	Lorenzo Peretto	University of Bologna	Italy	lorenzo.peretto@unibo.it	October 2015
3	Alessandro Ferrero	Politecnico di Milano	Italy	alessandro.ferrero@polimi.it	October 2015
4	Michaela Marilena Albu	Politehnica University of Bucharest	Romania	albu@ieee.org	October 2015
5	Antonello Monti	RWTH Aachen University	Germany	antonello.monti@eonerc.rwth-aachen.de	October 2015
6	Ferdinanda Ponci	RWTH Aachen University	Germany	ferdinanda.ponci@eonerc.rwth-aachen.de	October 2015
7	Julio Barros	Universidad de Cantabria	Spain	barrosj@unican.es	October 2015
8	Roberto Tinarelli	University of Bologna	Italy	roberto.tinarelli3@unibo.it	October 2015
9	Sergio Toscani	Politecnico di Milano	Italy	sergio.toscani@polimi.it	October 2015
10	Ana-Maria Dumitrescu	Politehnica University of Bucharest	Romania	anamaria.dumitrescu@upb.ro	October 2015
11	Mario Luiso	Università della Campania "Luigi Vanvitelli"	Italy	mario.luiso@unicampania.it	October 2015
12	Sara Sulis	University of Cagliari	Italy	sara.sulis@diee.unica.it	October 2015
13	Paolo Attilio Pegoraro	University of Cagliari	Italy	paolo.pegoraro@diee.unica.it	October 2015
14	Roberto Ferrero	University of Liverpool	UK	Roberto.Ferrero@liverpool.ac.uk	October 2015
15	Johan Rens	North-West University, Potchefstroom Campus	South Africa	johan.rens@ieee.org	October 2015
16	Farrukh Usman Mirza	Lahore Section	Pakistan	farrukhum@gmail.com	November 2015
17	Fahd Banakhr	Derby University	UK	Dr.Fahd.Banakhr@ieee.org	May 2016
18	Yu Chen	Xi'an Jiaotong University	China	chenyu@xjtu.edu.cn	July 2016
19	Radek Javora	ABB	Czech Republic	radek.javora@cz.abb.com	January 2018
20	Michał Wydra	Lublin University of Technology	Poland	michal.wydra78@gmail.com	March 2018
21	Anant Kumar Verma	National Institute of Technology Hamirpur	India	anant_verma12@hotmail.com	June 2018
22	Guglielmo Frigo	EPFL Lausanne	Switzerland	guglielmo.frigo@epfl.ch	December 2018
23	Ali Arefi	Murdoch University	Australia	ali.arefi@murdoch.edu.au, ali.arefi@ieee.org	October 2019
24	Yljon Seferi	University of Strathclyde	UK	yljon.seferi@strath.ac.uk	November 2019
25	Lei Chen	Tsinghua University, Beijing	China	chenleithu@tsinghua.edu.cn	December 2020
26	Sabarimalai Manikandan	Indian Institute of Technology Bhubaneswar	India	msm@iitbbs.ac.in msm.sabari@ieee.org	August 2021
27	Yuan Chi	State grid Beijing Electric Power Company	China	jtext@alumni.hust.edu.cn	June 2023
28	Annalisa Liccardo	University of Naples Federico II	Italy	annalisa.liccardo@unina.it	September 2023
29	Riddhi Padariya	Heirloom Carbon Technologies, Inc.	USA	riddhipadariya2307@gmail.com	July 2024
30	Peiman Dadkhah	NuGrid Power Corp	Canada	pdadkhah@nugridpower.com	September 2024

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

Definition and characterization of measurement systems, devices, components and methods for modern power grids

## TC meetings in the reporting period<sup>(\*)</sup>

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)

## Minutes of the yearly meeting (separate file)<sup>1</sup>:

<sup>1</sup> Yes/No, date of the yearly meeting;

\* Please add as many rows as needed

## 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) <sup>2</sup>
IEEE AMPS 2024	18/09/2024	20/09/2024	All days	yes			Organization of the entire event
IEEE SGSMA 2024	20/05/2024	23/05/2024	All days	yes			Technical co-sponsorship + organization of panels

## Involvement in standard development(\*)

Standard	Working Group	Revision	Activity in the reporting period, including dates	Notes, attendance
IEC/IEEE 61869-21	Joint Working Group "IEC TC38/WG55 & IEEE TC39"	second	Revision of final document (formerly P61869-105)	

## Participation in the development of Society Educational Programs(\*)

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

## 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

## Recommended candidates(\*)

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

\* Please add as many rows as needed

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)**

Fifteenth edition of IEEE International Workshop on Applied Measurements for Power Systems (AMPS 2025) planned for September 2025, in Bucharest, Romania.

TC-39 is involved in the organization of IEEE SGSMA 2026, technically co-sponsored by IEEE instrumentation and Measurement Society, along with three other IEEE societies and CIGRE. The chair of TC-39 is member of the Board of Directors of SGSMA Association (<https://www.sgsma-association.org/>).

Final revision of 61869-21 FDIS Draft is currently on run.

**TC operating plan:**

Organization of the IEEE International Workshop on Applied Measurements for Power Systems.

Organization of the IEEE International Conference on Smart Grid Synchronized Measurements and Analytics.

Final approval of the new standard IEC/IEEE 61869-21 ED1: Instrument transformers - Part 21: Uncertainty evaluation in the calibration of Instrument Transformers (formerly P61869-105 "Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers")

\* Please add as many rows as needed



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

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The new standard IEC/IEEE 61869-21 ED1: Instrument transformers - Part 21: Uncertainty evaluation in the calibration of Instrument Transformers (formerly P61869-105 "Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers") is planned to be a dual logo IEEE-IEC standard and is developed jointly with IEC TC38.

The conference IEEE SGSMA is organized with technical co-sponsorship by four IEEE Societies (Instrumentation and Measurement, Power and Energy, Industrial Electronics, Industry Applications) and CIGRE.

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

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\* Please add as many rows as needed