

TC ANNUAL REPORTING FORM

IMS Technical Committee

TC-7 Signals and Systems in Measurement

Reporting period

Starting date (dd/mm/yy)

Ending date (dd/mm/yy)

Date of submission (dd/mm/yy)

01-06-2019

30-09-2020

Website

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 |
|----------------|-------------|-------------|----------------------|-------------------|-------------|------------------------|------------------|
| <i>Ruqiang</i> | | Yan | Xi'an Jiaotong Univ. | 41600650 | 13584054750 | yanruqiang@xjtu.edu.cn | |

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 |
|------------|-------------|-------------|----------------------|-------------------|-------|----------------|------------------|
|------------|-------------|-------------|----------------------|-------------------|-------|----------------|------------------|

TC Membership list^(*)

| First Name | Second Name | Family Name | Affiliation /Address | Membership number | Phone | e-mail address | TC assignments (joining year) |
|------------|-------------|-------------|----------------------|-------------------|-------|----------------------|-------------------------------|
| Yuhua | | Cheng | | | | yhcheng@uestc.edu.cn | |
| Weihua | | Li | | | | weihualee@gmail.com | |
| Qingbo | | He | | | | qbhe@sjtu.edu.cn | |
| Lingfei | | Mo | | | | lfmo@seu.edu.cn | |
| Liye | | Zhao | | | | liyehao@seu.edu.cn | |

* Please add as many rows as needed

| | | |
|----------|-------|--------------------------|
| Zhongkui | Zhu | zhuzhongkui@suda.edu.cn |
| Xuefeng | Chen | chenxf@mail.xjtu.edu.cn |
| Xingu | Zhang | xwzhang@mail.xjtu.edu.cn |

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 (dd/mm/yy) | Online / Face2Face | Attendance (number) | TC Members | Information sent within 4 months to (Yes/No) | | |
|--------------------|-----------------------|------------------------|------------|--|-------------|--|
| | | | | Chair of TSAC | IM Magazine | Other (specify) |
| 18/09/2020 | Face2Face | 10 | 3 | | | TC-Chair deliver a lecture |
| 25/05/2020 | Online | 15 | 7 | | | Attending the special session of I2MTC proposed by TC-7 |
| 10/07/2020 | Face2Face | 5 | 3 | | | Organizing committee meeting for International Conference on Sensing, Measurement and Data Analytics in the Era of Artificial Intelligence (ICSMD2020) |

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 |

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

I2MTC 2020

25/05/2020

28/05/2020

YES

Reviewing papers

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 |
|--------------|--------------------------------------|---|-------------------|
| n/a | | | |

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^(*)

| Type (ADCOM, Fellow, Award –specify-) | First Name | Second Name | Family Name | Affiliation /Address | Motivation |
|---------------------------------------|------------|-------------|-------------|----------------------|------------|
| None | | | | | |

^{*} Please add as many rows as needed

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 propose special session for I2MTC 2021, and work with local chapters to deliver lectures for student in Xi'an Jiaotong University where the TC-7 chair is working now

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 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(ICSMD2020), Xi'an China, October 15-17, 2020

* Please add as many rows as needed



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

None

* Please add as many rows as needed