

Past TC7 events

- **1973**, TC7 Inaugural Meeting, Dresden, GDR
Fundamentals of Measurement Theory
- **1975**, TC7 1st Symposium, Enschede, The Netherlands: *Measurement Error Analysis*
- **1976**, TC7 Round Table Discussion, London, UK
- **1978**, TC7 2nd Symposium, Leningrad, USSR: *Statistical Methods in Measurement*
- **1979**, TC7 Round Table Discussion, Moscow, USSR
- **1981**, TC7 3rd Symposium, Dubrovnik, Yugoslavia
Computerised Measurement
- **1981**, TC1, TC7, & TC11 Joint Summer School, Dubrovnik, Yugoslavia
- **1982**, TC7 Round Table Discussion, Berlin-West, FRG
- **1984**, TC7 4th Symposium, Bressanone, Italy: *Measurement and Estimation*
- **1986**, TC7 5th Symposium, Jena, GDR: *Intelligent Measurement*
- **1987**, TC7 6th Symposium, Budapest, Hungary: *Signal Processing in Measurement*
- **1990**, TC1 & TC7 7th Joint Symposium, Karlsruhe, FRG: *Knowledge Based Measurement*
- **1991**, TC7 8th Symposium, Kyoto, Japan: *Artificial Intelligence Based Measurement and Control*
- **1992**, TC7 Summer School, St. Petersburg, Russia: *Intelligent Software Driven PC Measurement*
- **1993**, TC1 & TC7 Joint Colloquium, London, UK: *State and Advances of Measurement and Instrumentation Science*
- **1996**, IMTC 96 & IMEKO TC7 Joint Conference, Brussels, Belgium: *Quality Measurements: The Indispensable Bridge between Theory and Reality (No Measurements? No Science!)*
- **1999**, TC7 Workshop, Kyoto, Japan: *Advances of Measurement Science*
- **2002**, TC7 9th Symposium, Cracow, Poland: *Measurement Science of the Information Era*
- **2004**, TC7 10th Symposium, St. Petersburg, Russia: *Advances of Measurement Science*
- **2005**, TC1 & TC7 11th Joint Symposium, Ilmenau, Germany: *Metrology and Measurement Education in the Internet Era*
- **2008**, TC1 & TC7 12th Joint Symposium, Annecy, France: *Man, Science & Measurement*
- **2010**, TC1 & TC7 13th joint Symposium, London, UK: *Without Measurement No Science, Without Science No Measurement*
- **2011**, TC1-TC7-TC13 14th joint Symposium, Jena, Germany: *Intelligent Quality Measurement - Theory, Education and Training*
- **2013**, TC1-TC7-TC13 joint Symposium, Genoa, Italy: *Measurement across Physical and Behavioural Sciences*

IMEKO Technical Committee on Measurement Science **TC7**

The general aim of TC7 is to proactively develop, disseminate and implement Measurement Science both nationally and internationally. This is achieved by organizing meetings, workshops, scientific symposia and other events to create opportunities for sharing of research work, ideas, new developments and collaboration among researchers active in the field.

TC7 promotes the building of a body of knowledge of concepts, axioms, rules, principles, methods, and procedures for obtaining, processing, expressing and communicating correct and reliable measurement results of both physical and non-physical quantities.

In the IMEKO community, TC7 is characterized by its emphasis on the methodological issues of measurement and the exploration of its pervasive and interdisciplinary role by including, for example the study of such topics as historical, social, and ethical aspects of Measurement Science.

The subject areas being studied at present within TC7 are, among others: measurement uncertainty; measurement in soft systems; epistemology of measurement; generic techniques for design of measurement systems; models in measurement; formal theories of measurement; semiotics of measurement; measurement of non-physical quantities; intelligent measurement; emerging challenges and novel concepts of Measurement Science

Significant publications related to TC7 activities

Special Section devoted to the memory of Ludwik Finkelstein

Edited by R.Z. Morawski
Measurement – Journal of IMEKO, Volume 46, No. 8, October 2013

Logical and philosophical aspects of measurement

Edited by L. Finkelstein, R.Z. Morawski and L. Mari
special issue of *Measurement – Journal of IMEKO*, Volume 38, No. 4, December 2005

Fundamental concepts of measurement

Edited by L. Finkelstein and R.Z. Morawski
special issue of the *Measurement – Journal of IMEKO*, Volume 34, No. 1, July 2003

Measurement Science – A Discussion

Edited by K. Kariya and L. Finkelstein
published by Ohmsha, Ltd., IOS Press, 2000,
ISBN 4-274-90398-2 (Ohmsha Ltd.) / 1-58603-088-4 (IOS Press)

- **2014**, TC1-TC7-TC13 joint Symposium, Madeira, Portugal: *Measurement Science Behind Safety and Security*
- **2016**, TC1-TC7-TC13 joint Symposium, Berkeley, USA: *Metrology across the Sciences: Wishful Thinking?*
- **2017**, TC1-TC7-TC13 joint Symposium, Rio de Janeiro, Brazil: *Measurement Science Challenges in Natural and Social Sciences*
- **2019**, TC1-TC7-TC13-TC18 joint Symposium, St Petersburg, Russia: *The future glimmers long before it comes to be*

The next TC7 event will be
TC1-TC7-TC13-TC18 Joint
Symposium Porto, Portugal, **2022**

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The TC7 website can be visited at the address <https://www.imeko.org/index.php/tc7-homepage>