



International Conference 2022
Dubrovnik, Croatia, 11th to 13th October, 2022

TC3|TC5|TC16|TC22

Call for Papers

The Centre of Technology Transfer llc., founded by the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, National Laboratories for Pressure, Force and Hardness, in cooperation with IMEKO TC3 - Measurement of Force, Mass and Torque; IMEKO TC5 - Hardness Measurement; IMEKO TC16 - Pressure and Vacuum Measurement and IMEKO TC22 - Vibration Measurement, are organizing the

IMEKO 24th TC3, 14th TC5, 6th TC16 and 5th TC22 International Conference

VENUE

The Conference will take place in Hotel CROATIA Cavtat (5**deluxe*), Cavtat, Croatia. The hotel is located on the pine-forested peninsula overlooking unspoilt Cavtat Bay, in the vicinity of Cavtat port, with sea and private beaches on both sides of the hotel and with "Lungomare" – a several kilometer promenade along the coast of the Adriatic Sea.

<https://www.adriaticluxuryhotels.com/en/hotel-croatia-dubrovnik-cavtat>



CAVTAT AND DUBROVNIK

20km down the coast from Dubrovnik and only 10 minutes by taxi from Dubrovnik airport, the charming harbor town of Cavtat is one of Croatia's best-kept secrets. Originally the Ancient Greek settlement of Epidaurus, Cavtat perches on an Arcadian wooded peninsula set between two brilliant-blue bays. A wide promenade, fringed with palm trees, arches around the harbor front bordered by beaches on one side and delightful bars from which to watch a glorious sunset on the other. Backing away from the shimmering seafront is the colorful Old Town, with its cobbled streets and traditional red-roofed houses, revealing a wealth of predominantly Renaissance treasures, including the 16th-century Rector's Palace and an intriguing 15th-century Franciscan monastery complex.

<https://visitdubrovnik.hr/destinations/dubrovnik-and-surroundings/#cavtat>



Dubrovnik lies in the extreme south of Croatia, basking in glorious Mediterranean sunshine for much of the year. A fairytale fortress of beautiful Baroque, Gothic and Renaissance churches, aristocratic palaces, red-roofed townhouses, magnificent monasteries and fascinating history. Today a UNESCO World Heritage Site, the Old Town and its towering walls rise above a 13th-century main street that literally sparkles in the sun. Dubrovnik is surrounded by a brilliant-blue seascape, pretty beaches and idyllic islands.



<https://visitdubrovnik.hr>

GENERAL TOPICS

- General metrology
- Industrial metrology
- Measurement uncertainty
- Written standards
- Traceability
- Quality system and metrology
- Terminology
- International cooperation
- Dynamic measurements
- Education

TC3 TOPICS

- Mass
 - Mass standards and balances
 - New concepts in mass metrology
 - Redefinition of the mass unit
 - Density metrology for mass standards
 - Weighing instruments and load cells
- Force
 - Force standards
 - Force metrology
 - Force transducers
 - Force measurement in applications
 - Material testing machines
- Torque
 - Torque standards
 - Torque metrology
 - Torque transducers
 - Multicomponent torque measurement
 - Torque measurement in applications
- Dynamic measurements of mass, force and torque
 - Dynamic measurement of mass
 - Dynamic force and torque measurement

TC5 TOPICS

- Hardness measurement
- Rockwell hardness scale
- Brinell hardness scale
- Vickers hardness scale
- Leeb hardness scale
- Instrumented indentation test
- Hardness reference blocks
- Hardness indenters
- Hardness comparisons
- New definitions for hardness scales
- Traceability

TC16 TOPICS

- Quantum realizations of pascal
- Dynamic pressure measurements
- Pressure standards
- Vacuum standards
- Mass spectrometry and primary leaks

- Pressure and vacuum sensors
- Recent, novel, and new advances in pressure and vacuum technology

TC22 TOPICS

- Precision measurement
- Vibration sensors, vibration measuring devices
- Single and multi-axial vibration
- Instrumentation for vibration measurement
- Signal processing methods
- Calibration, calibration systems
- Uncertainty of measurement
- Written standards and regulations
- Metrological aspects of applications
- Dynamics of interacting systems
- Dynamics of acceleration related quantities
- Scientific and technical issues of intercomparisons
- Promotion of technical cooperation

WORKING LANGUAGE

The Conference working language is English. All printed materials, presentations and discussions will be in English.

PAPER SUBMISSION AND PUBLICATION

| | |
|----------------------------------------------------------------------|----------------------------------------------|
| February 28, 2022 March 20, 2022 | Extended Abstracts (up to 2 pages) due date |
| March 31, 2022 | Notification of Extended Abstract acceptance |
| May 31, 2022 June 30, 2022 July 31, 2022 | Full papers due date |
| July 31, 2022 August 31, 2022 | End of peer-review |
| September 30, 2022 | Final submission of revised version |
| October 11, 2022 | Publication |

Submit the abstract on the conference website

<https://conferences.imeko.org/event/1>

and select the conference track and contribution type according to the Topics. Make sure you use the suitable template:

Download: Extended Abstract Template

Download: Full Paper Template

All papers will be peer-reviewed (at least two reviewers per paper). Accepted papers will be published in the subsequent Proceedings at the IMEKO website in Open Access form.

Selected papers will be recommended for a further publication in journals (Measurement, Acta IMEKO, Measurement: Sensors, etc.) as extended versions (substantively expanded, refined, or otherwise revised manuscripts).

CONFERENCE FEES *

| | Before 31 August 2022 | Between 1 September and 10 October 2022 | At the Registration desk |
|-----------------------------|-----------------------------|-----------------------------------------------------|--------------------------------|
| Parti- cipant | 600 EUR +VAT | 625 EUR +VAT | 650 EUR +VAT |
| Accom- panying person | 350 EUR +VAT | 375 EUR +VAT | 400 EUR +VAT |

* **Croatian VAT is 25%. Local VAT is applied for all EU and non-EU payments based on the VAT legislation regarding the admission to a cultural, scientific, educational event (articles 53 and 54.1 of the European VAT DIRECTIVE 2006/112/EC).**

INCLUDED IN THE FEES:

Participants: conference materials, admission to all sessions, coffee breaks, Welcome reception, lunches, Gala dinner and Cultural visit to Dubrovnik with dinner.

Accompanying persons: Welcome reception, lunches, coffee breaks, Gala dinner, Cultural visit to Dubrovnik with dinner.

[Download: Registration Form](#)

EXHIBITORS

Potential exhibitors may introduce themselves and their products to all participants of the Conference

Details are given in the Exhibitor Registration Form. Click on the button below to download Exhibitor Registration Form

[Download: Exhibitor Registration Form](#)

SPONSORS

Potential sponsors might take the opportunity to increasing their credibility, image, and prestige in sponsoring IMEKO 24th TC3, 14th TC5, 6th TC16 and 5th TC22 International Conference as Golden, Silver or Bronze Sponsors. Sponsorship might include: Conference Reception, Gala Dinner, Excursion Dinner, Conference bag, Conference bag contents, Book of Abstracts with Technical Program, advertisements on its inner or Inside Front, Inside Back or Back Cover pages; projections on conference screens between sessions and other opportunities to increase impact on primary target audiences. For more detailed information, please contact us at:

imeko2022@fsb.hr

REGISTRATION AND HOTEL BOOKING

Click the link below to download the registration form

[Download: Registration Form](#)

Please register before August 31, 2022 to have the benefit of early Fee.

For travel visa requirements please check: <http://www.mvep.hr/en/consular-information/visas/visa-requirements-overview/>. In the case you need a visa please use the *Visa Form*.

If you need an Invitation Letter, please let us know at:

imeko2022@fsb.hr.

ACCOMMODATION:

The Conference, Exhibition, Reception and Gala Dinner will be held at the Hotel CROATIA Cavtat. Hotel rooms are pre-blocked for the Conference under favorable conditions:

- Single room with buffet breakfast: 125 EUR
- Double room with buffet breakfast 150 EUR i.e., 75 EUR per person per day in a double room (VAT included).

Dubrovnik is a highly frequented tourist area, so please book your accommodation early.

HOW TO BOOK THE ACCOMMODATION

Step 1: Go to

<https://www.adriaticluxuryhotels.com/en/hotel-croatia-dubrovnik-cavtat>

Step 2: Once "hotel Croatia" page opens, click "**Book your stay**"

Step 3: At the next following window that opens fill out the exact days of your stay and under the "**Promo code**" window type **IMEKO2022**

Step 4: Press again "**Book your stay**"

Step 5: Finish your reservation by choosing your room and fill-out the other reservation details requested

Read carefully "*Terms & conditions*" to get the information about the cancellation policy

CONTACT

For additional information please check the Conference website:

<https://conferences.imeko.org/event/1>

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