



University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture



TC3|TC5|TC16|TC22

International Conference 2020

Dubrovnik, Croatia, 5th to 7th May, 2020

Call for Papers

IMEKO 24th TC3, 14th TC5, 6th TC16 and 5th TC22 International Conference 16 – 18 November 2020, Cavtat-Dubrovnik, Croatia

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; 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.

[Web link: Adriatic luxury hotels](#)



Web link: Visit Dubrovnik and 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.



ABOUT CAVTAT AND DUBROVNIK

20 km 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.

[Web link: Visit Dubrovnik](#)

WORKING LANGUAGE

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

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
 - Dynamic mass measurement
- Force
 - Force standards
 - Force metrology
 - Force transducers
 - Dynamic force measurement
 - Continuous force measurement
 - Multicomponent force measurement
 - Force measurement in applications
 - Material testing machines
- Torque
 - Torque standards
 - Torque metrology
 - Torque transducers
 - Dynamic torque measurement
 - Continuous torque measurement
 - Multicomponent torque measurement
 - Torque measurement in applications

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

PAPER SUBMISSION AND PUBLICATION

May 31, 2020	Extended Abstracts (up to 2 pages) due date
June 15, 2020	Notification of Extended Abstract acceptance
June 30, 2020	Full papers due date
August 31, 2020	End of peer-review
October 31, 2020	Final submission of revised version
November 15, 2020	Publication

Send the abstract by e-mail to the organizers to imeko2020@fsb.hr and indicate the topic (TC3, TC5, TC16, TC22, or General) the abstract belongs to.

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

Selected papers will be proposed for a subsequent journal publication in "Measurement" or "Acta IMEKO". Journal submissions will represent a substantively expanded, refined, or otherwise revised manuscript.

[Download link: Extended Abstract Template](#)

[Download link: Full Paper Template](#)

CONFERENCE FEES

	Participant	Accompanying person
Before September 30, 2020	550 EUR + 137.50 EUR* = 687.50 EUR	350 EUR + 87.50 EUR* = 437.50 EUR
Between September 10 and October 31, 2020	575 EUR + 143,75 EUR* = 718.75 EUR	375 EUR + 93.75 EUR* = 468.75 EUR
At the Registration desk	600 EUR + 150.00 EUR* = 750 EUR	400 EUR + 100.00 EUR* = 500 EUR

* VAT (currently 25%)

INCLUDED IN THE FEES:

Participants: conference materials, admission to all sessions, flash memory with the full refereed papers (proceedings), 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 link: 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 link: 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:

Conference E-mail: imeko2020@fsb.hr

REGISTRATION AND HOTEL BOOKING

Click on the link below for the registration form:

[Download link: Registration Form](#)

Please register before **September 30, 2020** to have the benefit of early fee.

For visa requirements please check:

[Web link: Visa requirements](#)

In case you need a visa please use the

[Web link: Visa application form.](#)

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

Conference E-mail: imeko2020@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 (VAT included).

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

HOW TO BOOK THE ACCOMMODATION

Step 1: Go to

[Web Link: Adriatic luxury hotels](#)

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 **IMEKO2020**

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 contact us at:

[Web link: The Conference website:](#)

Conference E-mail: imeko2020@fsb.hr