

IMEKO Meeting report

Akihiro OTA, NMIJ
TC22 Deputy chairperson

IMEKO TC22 – Vibration Measurement

- An international non-governmental forum for vibration and shock metrologists (2005 - present)
- Chairman : Gustavo Ripper (INMETRO)
- Deputy chair : Akihiro Ota (NMIJ)
- Scientific secretary : Michael Gaitan (NIST)
 - ✘ Claire Bartoli (LNE) resigned as scientific secretary in Feb. 2019
- 23 countries (28 members)

Past events since previous CCAUV

XXII IMEKO World Congress

- Date : 3rd – 6th September 2018
- Venue : Belfast, UK
- Participants : 581 from 48 countries
- Submitted papers : 516
- Total presentations : 465 (oral 272, poster 193)
- TC sessions : 48



Technical sessions of TC22

- 18 papers approved with
 - 16 oral presentations
(Brazil 1, China 8, Germany 5, USA 1, UK 1)
 - 2 posters
(China 1, Japan 1)

INMETRO: Primary shock calibration of accelerometers at Inmetro

NIM China: A novel low frequency vibration measurement method based on single camera

NIM China: Uncertainty evaluation for single-axis interferometric fiber optic gyroscope

NIM China: Primary high acceleration calibration system at NIM

NIM China: Comparison of linear accelerometers calibrated by precise centrifuge

NIM China: Investigation of high rotational speed calibration device

NIST: On the calibration of laser heterodyne velocimeters using shock excitations and total distance traveled

PTB: Seismometer calibration using a multi-component acceleration exciter

PTB: Efficient calibration and modelling of charge amplifiers for dynamic measurements

PTB: A method for high-shock accelerometer calibration comparison using a 2-DOF model

PTB: Vibration testing to assess the transport behaviour of reference standards and mobile scientific devices

Future events

- Joint TC3, TC5, TC16 & TC22 Conference in Duvrovnik, Croatia, 5th to 7th May, 2020.
 - TC3 – Measurement of Force, Mass, and Torque
 - TC5 – Hardness Measurement
 - TC16 – Pressure & Vacuum Measurement
 - TC22 – Vibration Measurement
- XXIII World Congress in Yokohama, Japan, 30th August to 3rd September, 2021.

IMEKO

TC3 | TC5 | TC16 | TC22

International Conference 2020

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



ORGANIZATION:



University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture





University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture



TC3|TC5|TC16|TC22

International Conference 2020

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

Organization

Faculty of Mechanical Engineering and Naval Architecture (University of Zagreb) has pleasure and honour to invite the experts to the IMEKO TC3, TC5, TC16, TC22 Joint Conference. Previous conferences have comprehensively addressed the latest developments and achievements in measurement of force, mass, torque, hardness, vibration, pressure and vacuum. In addition to technical oral and poster sessions, appointments with colleagues and exchange of knowledge has significant value.

We will do our very best to make this happen again!



University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture



TC3|TC5|TC16|TC22

International Conference 2020

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

Conference venue

The conference venue is exceptional: Hotel Croatia Cavtat, Dubrovnik, Croatia. Do not miss the opportunity for you and your accompanying persons to visit Dubrovnik - one of the most frequented tourist locations in the world. (<https://www.adriaticluxuryhotels.com/hr/hotel-croatia-dubrovnik-cavtat>).





University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture



IMEKO > TC3|TC5|TC16|TC22

International Conference 2020

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

General topics:

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

Important Dates

Abstract submission	15th December 2019 → 15 th January 2020
Notification on acceptance	15 th February 2020
Final paper submission	30 th April 2020
Early bird registration	1 st January - 1 st March 2020
Normal registration	2 nd March - 4 th May 2020
On-site registration	5 th May - 7 th May 2020



WELCOME

12th CCAUV meeting, 26-27 September, 2019

— IMEKO > 2020

| Dubrovnik, Croatia



The XXIII World Congress of IMEKO in 2021, JAPAN



Venue & Date

IMEKO 2021

Yokohama, Japan

August 30th – September 3rd





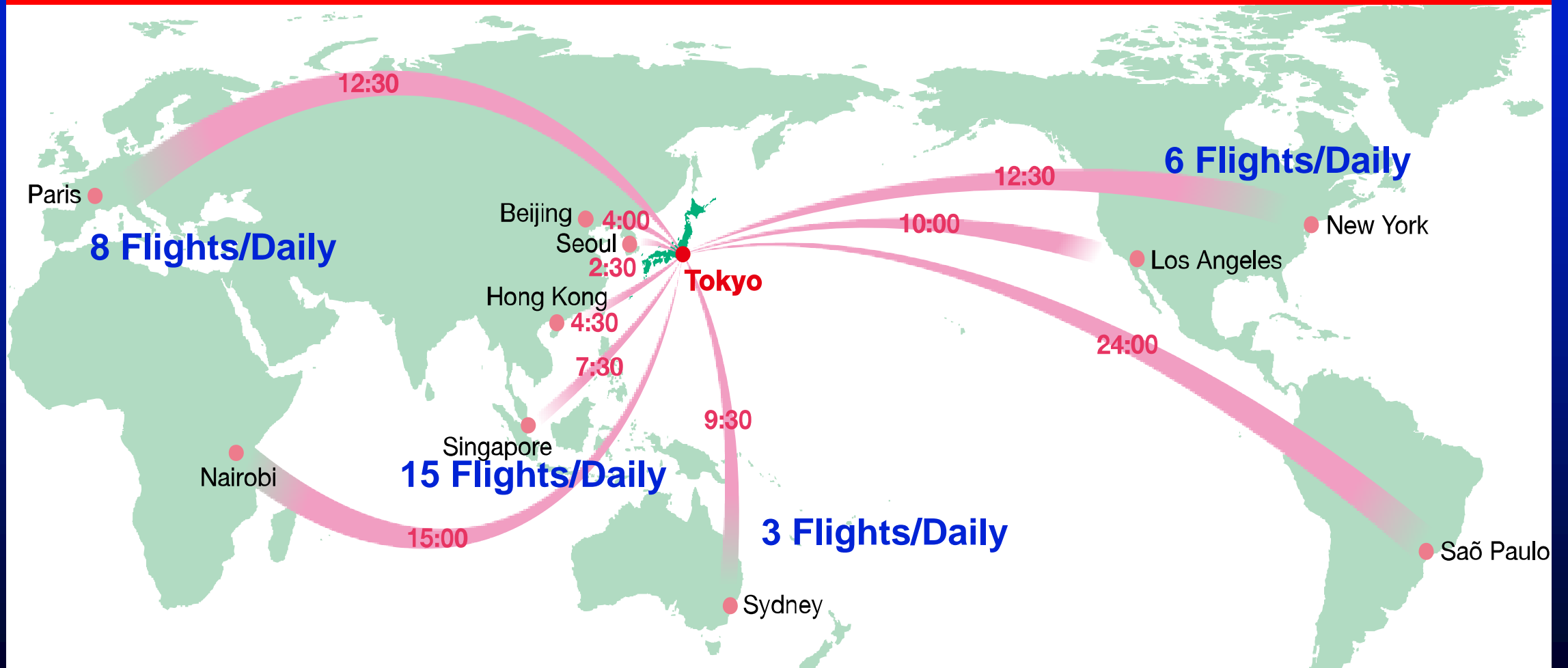
Congress Site

PACIFICO Yokohama



Excellent Accessibility from all of the World

Daily Flights to Tokyo from over 100 cities of all over the world.



More flights at facing to the 2020 Tokyo Olympics & Paralympic Game!

Easy Access from airports and from Tokyo



Chairpersons

Chairpersons of Organizing Committee



Dr. Motofumi MATSUURA

President of SICE

(Advisory Board of Fuji Electronic Co.,Ltd.)

✓ Industry



Dr. Satoshi HONDA

Emeritus Prof. of Keio University

(Former President of SICE)

✓ University



Dr. Takashi USUDA

Director General of National Metrology Institute of Japan (NMIJ)

(Member of International Committee for Weights and Measures [CIPM])

✓ National Institute



Internet Access to IMEKO 2021

IMEKO 2021

August 30 – September 3, 2021
Yokohama, JAPAN



Version : Phase_1

www.imeko2021.org



JAPAN



Yokohama



Venue



Flight & Transportation



XXIII World Congress of the
International Measurement
Confederation (IMEKO 2021)



Email to

imeko2021@or.knt.co.jp



*In 2021,
the **XXIII World Congress of IMEKO**,
it's the time you come to Japan!*



We are ready to welcome all participants from all over the world.



Please block your schedule!

**Aug.30 - Sept.3,
2021**

Thank you for your attention !

TC3|TC5|TC16|TC22
International Conference
Dubrovnik, Croatia
5 - 7 May, 2020



IMEKO 2021

August 30 – September 3, 2021
Yokohama, JAPAN

