



# Agenda Item 14.5 OIML Bulletin





### Introduction

- The OIML Bulletin is the Quarterly Journal of the OIML.
- Since 1960 it has been a forum for the publication of
  - technical papers,
  - general interest papers, and
  - other diverse articles.
- The OIML Bulletin addresses metrological advances in both emerging and traditional areas including trade, health, the environment and safety.
- Available free of charge on the OIML website: https://www.oiml.org/en/publications/bulletin





## The concept of "Mentors"

- Resolution 2019/30 (Bratislava) supported the proposal of Task Group 2023 and the PC to identify "Mentors".
- Mentors take responsibility for sustainably increasing the number of technical articles in the OIML Bulletin for the benefit of the legal metrology community.



#### **Past Bulletin editions coordinated by Mentors:**

- July 2021: Digital transformation in legal metrology
- October 2021: Legal metrology for health
- April 2022: Measurement related to traffic
- July 2022: Metrology for a sustainable environment





# Two informative topical editions in 2022

#### 'Measurement related to traffic' (April 2022)



# 'Metrology for a sustainable environment' (July 2022)







## April 2022 Bulletin: Measurement related to traffic

### ■ Contents



#### technique

Measurement comparison between the national road vehicle speed standards of Germany, Austria and Switzerland

T. Beckmann, W. Siemann, F. Märtens, R. Wynands, E. Chatagny, S. Farron, D. Sprecher, F. Assi, P. Rosenkranz and B. Sahlender

- 12 Validation of the METAS reference speed meter using a GPS-based speed sensor Daniel Sprecher, Eric Chatagny, Stéphane Farron and Fabiano Assi
- 16 Autonomous driving Overview and challenges Stefan Kothe, Sascha Meyne, Robert Wynands and Thorsten Schrader
- 19 Revision of OIML R 126 Evidential Breath Analysers Achievements and application Regina Kluess and Laetitia Delette
- 29 E-vehicle charging
  Dr Christian Mester and Dr Matthijs H.D. van der Wiel





## July 2022 Bulletin: Metrology for a sustainable environment

#### ■ Contents

Christian Mester

OIML
BULLETIN

VOLUME LXIII • NUMBER 3
JULY 2022

#### ■ technique

5	Circular economy and metrology Gisela Umbricht, Mirjam Utters, Lena Märki and Hanspeter Andres
11	New periodic technical inspection of diesel engines based on particle number concentration measurements  Konstantina Vasilatou, Paul Kok, Sonja Pratzler, Andreas Nowak, Anza Waheed, Pascal Buekenhoudt,  Kevin Auderset and Hanspeter Andres
17	Data science meets legal metrology: inspiring trust in the processing and dissemination of measurement data Federica Gugole, Gertjan Kok and Adriaan van der Veen
21	Digital Transformation in the Quality Infrastructure - Challenges and Opportunities Sascha Elchstädt
25	Deep integration of metrology into environment monitoring for reducing pollution and carbon emissions in China Zhe Bi, Xiao Xu and Honghong Wang
30	Research on spatiotemporal precise measurement technology of greenhouse gas emissions Liang Zhang, Hong Lin, Ge Ren, Jinliang Zang and Gege Liu
38	Legal metrology requirements for smart utility meters





#### **Future editions of the Bulletin**

- October 2022: e-Learning, Training, CEEMS.
- January 2023: 57th CIML Meeting.
- April 2023: RLMO feature articles, coordinated by RLMO Chair.
- Future editions in 2023/2024: National/Regional metrology systems, Renewable energy/energy efficiency (e.g. hydrogen measurement, smart meters, electric vehicle supply equipment -EVSE, etc.).

May we count on YOUR support and theme suggestions as a Mentor for a future edition of the Bulletin?





## Close