

9th IWA Odour & VOC/Air Emission Conference 26-27 October 2021 Bilbao, Spain

ABSTRACT

IEEE P2520 – Standards for Testing Machine Olfaction Devices and Systems

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Summary

International standards provide key performance criteria that manufacturers can use to design and build products with improved quality, reliability and safety. The IEEE Sensors Council, in cooperation with the International Society for Olfaction and Chemical Sensing (ISOCS), is developing a new series of IEEE Standards to establish performance levels of odor monitoring instruments including the Electronic Nose. In P2520 standard series, we propose a collection of measurement methods and conformity assessment processes to ensure that odor analysis devices and systems achieve reliable and reproducible baseline performance appropriate for general volatile organic compound (VOC)/ odor monitoring and assessment applications. We also specify performance requirements of a device under test (DUT) that is designed to monitor odorous chemicals in focused application areas, including outdoor and indoor environments, industrial and manufacturing settings, safety protection, personal health and medical applications. We welcome interested professionals to join our new P2520 Working Groups.

Indicate preference of kind of presentation

- Oral Communication
- Poster

Indicate topic of your work for the conference:

- Policy and associated regulations for odour and air quality.
- Odour/VOC measurement, monitoring&sensor technologies.
- Odour/VOC perception, impact, formation and dispersion.
- GHG emissions particulate matter and industrial emissions.
- Source characterization and odour/VOC mapping.
- Odour/VOC abatement, mitigation and neutralization.
- Odour/VOC from waste water, sewer systems and livestock.
- Air emissions and sustainable solutions for waste handling



Summary Model: Submit before December 15th to:
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- Community engagement, social media and citizen action.
- Other (suggest a new topic):

The scientific committee may change the session where authors propose to include their works.