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# INTRODUCTION TO THE IEEE P2520™ SERIES OF STANDARDS ON OLFACTION DEVICES AND SYSTEMS


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# INTRODUCTION TO THE IEEE P2520™ SERIES OF STANDARDS ON OLFACTION DEVICES AND SYSTEMS


## ABSTRACT

A new series of international odor monitoring and analysis standards are being developed by the IEEE Sensors Council and the IEEE Industrial Electronics Society, in collaboration with the International Society for Olfaction and Chemical Sensing. The standards are designed for those developing and using odor analysis devices, electronic noses, and Volatile Organic Compounds (VOCs) analyzers. It is structured as a series of standards that target different, common, odor emission applications, such as outdoor air pollution and chemical processes. The hope is that by targeting specific applications more traction can be gained than during previous attempts at standards. This white paper gives a brief introduction to the series and solicits participation by individual scientists and engineers who see the importance of this work, by companies producing monitoring equipment, and by entities that set regulations that govern this field.



Keywords: artificial olfaction, electronic nose (e-Nose), machine olfaction, odor standards, VOC, Volatile Organic Compounds





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