Call for Participation
IEEE P1451™ Working Group

*Please note, an error to Gustavo Monte's email address in the previous email has been corrected below!

The IEEE P1451™ Working Group (WG) is announcing a call for participation to develop IEEE P1451.001™ Recommended Practices for the Signal Treatment Applied to Smart Transducers. This Working Group is co-sponsored by the Industrial Electronics Society (IES)/Standards Committee and the Instrumentation and Measurement Society (IMS)/TC-9 and TC-7. It is also jointly developed with ISO/IEC/JTC1/SC31/WG6.

IEEE P1451.001™ will define signal processing algorithms and data structure in order to share and to infer the signal and state information of an instrumentation or control system. These algorithms are based on their own signal and also on the transducers attached to the system. The standard will also define the commands and replies for requesting information and algorithms for shape analysis, such as exponential, sinusoidal, impulsive noise, noise, and tendency.

The purpose of IEEE P1451.001 is to define a standardized and universal framework that allows smart transducers to extract features of the signal being generated and measured. With the definition of these practices, the raw data can be converted into information and then into knowledge. In this context, knowledge means understanding of the nature of the transducer signals. This understanding can be shared with the system and other transducers in order to.
form a platform for sensory knowledge fusion.

The IEEE P1451.001 WG is seeking participants from the sensor and transducer manufacturers, data acquisition vendors, sensor application developers, sensor system users, and system integrators in industrial, consumer, medical, health, environmental, and other relevant fields.

If you would like to join the IEEE P1451.001 WG, kindly submit your name and contact information by 1 October 2012 to:

Gustavo Monte, WG Chair

gusmonte25@yahoo.com.ar

(*correct email)

or

Ruqiang Yan, WG Vice Chair

ruqiang@seu.edu.cn

WG meeting notices will be announced by 16 October 2012

WG meeting date is scheduled for 7 November 2012

(via electronic conferencing)

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