

International Journal of *Environmental Research and Public Health* 



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# **Advances in Environmental Sensor Networks**

Guest Editor:

### Message from the Guest Editor

#### Dr. Tim Wark

CSIRO ICT Centre, 1 Technology Ct, QCAT, Pullenvale, QLD 4069, Australia

Deadline for manuscript submissions: closed (31 December 2010) Dear Colleagues,

Environmental sensing has been a highly compelling application driver for wireless sensor networks since the formation of the field. The lack of continuous energy supplies, dynamic radio environments and significant scientific interest for measurements derived from largescale, high temporal and spatial resolution deployments, has made this a rich area of research. Despite the progress in the field over the past decade however, many research challenges still remain unsolved ranging from reliable network protocols, adaptive energy management and energy harvesting, through to improved methods for sensor calibration, anomaly detection and multimedia networks. This special issue will present recent research in a range of these areas, and help bring to light some of the key research issues which remain to be solved in order to make wide-spread environmental sensing a reality.

Dr. Tim Wark *Guest Editor* 







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### **Editor-in-Chief**

#### Message from the Editor-in-Chief

#### Prof. Dr. Paul B. Tchounwou

RCMI Center for Urban Health Disparities Research and Innovation, Richard Dixon Research Center, Morgan State University, 1700 E. Cold Spring Lane, Baltimore, MD 21251, USA Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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