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International Frequency Sensor Association (IFSA).

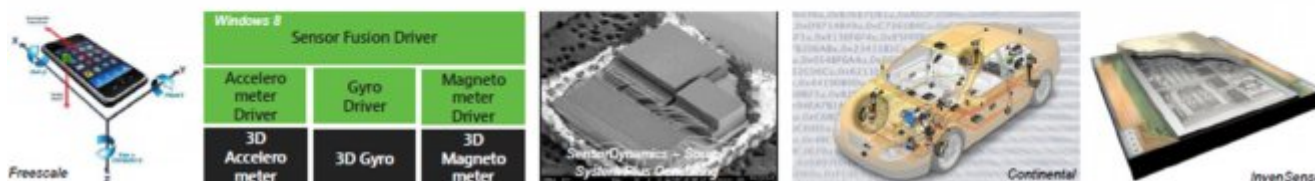
## Inertial Combo Sensors for Consumer & Automotive

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## Uncooled Infrared Imaging Market: Commercial & Military applications

### Market & Technology Report to 2016



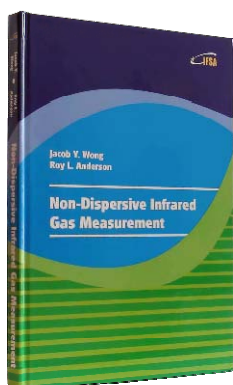
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## Non-Dispersive Infrared Gas Measurement: Editorial Review

International Frequency Sensor Association (IFSA),  
Tel.: +34 93 401 74 37  
E-mail: [ifsa@sensorsportal.com](mailto:ifsa@sensorsportal.com)



Recently published by the International Frequency Sensor Association (IFSA) Publishing<sup>1</sup>, *Non-Dispersive Infrared Gas Measurement* is the first book, which describes non-dispersive infrared (NDIR) gas sensors and measurements in its historical development. Based on this unique approach the readers will be able to clear understand the future ways in development of such devices, technologies and applications, and create a solid background for the future patents and investigations.

The book is organized by the following way. A foreword written by R. J. Bruce Warmack - a senior research scientist from the Oak Ridge National Laboratory (USA), is followed by five chapters, which contain new information about various aspects of NDIR gas measurement, sensors and applications in Demand Control Ventilation system and HVAC. The list of references at the end of book contains fundamental publications (some of them are dated by 19<sup>th</sup> century) and most important patents in the relevant area issued by the authors and others.

The *Non-Dispersive Infrared Gas Measurement* is available in both formats: print (hardcover) and electronic (pdf) formats.

The authors - Jacob Y. Wong and Roy L. Anderson have great industrial, research and business experiences, and hold together more than 100 US and international patents on advanced NDIR gas sensors.

Providing sufficient background information (from general classification to principles of measurements and realizations) and details, the book *Non-Dispersive Infrared Gas Measurement* is an excellent resource for advanced level undergraduate and graduate students as well as researchers, instrumentation engineers, applied physicists, chemists, material scientists in gas, chemical, biological,

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and medical sensors to have a comprehensive understanding of the development of non-dispersive infrared gas sensors and the trends for the future investigation and development.

**Form the Readers' Feedback:**

*"That's what I looking for... Jacob Wong is leader in NDIR sensor as I know".*

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## Guide for Contributors

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### Aims and Scope

*Sensors & Transducers Journal* (ISSN 1726-5479) provides an advanced forum for the science and technology of physical, chemical sensors and biosensors. It publishes state-of-the-art reviews, regular research and application specific papers, short notes, letters to Editor and sensors related books reviews as well as academic, practical and commercial information of interest to its readership. Because of it is a peer reviewed international journal, papers rapidly published in *Sensors & Transducers Journal* will receive a very high publicity. The journal is published monthly as twelve issues per year by International Frequency Sensor Association (IFSA). In addition, some special sponsored and conference issues published annually. *Sensors & Transducers Journal* is indexed and abstracted very quickly by Chemical Abstracts, IndexCopernicus Journals Master List, Open J-Gate, Google Scholar, etc. Since 2011 the journal is covered and indexed (including a Scopus, Embase, Engineering Village and Reaxys) in Elsevier products.

### Topics Covered

Contributions are invited on all aspects of research, development and application of the science and technology of sensors, transducers and sensor instrumentations. Topics include, but are not restricted to:

- Physical, chemical and biosensors;
- Digital, frequency, period, duty-cycle, time interval, PWM, pulse number output sensors and transducers;
- Theory, principles, effects, design, standardization and modeling;
- Smart sensors and systems;
- Sensor instrumentation;
- Virtual instruments;
- Sensors interfaces, buses and networks;
- Signal processing;
- Frequency (period, duty-cycle)-to-digital converters, ADC;
- Technologies and materials;
- Nanosensors;
- Microsystems;
- Applications.

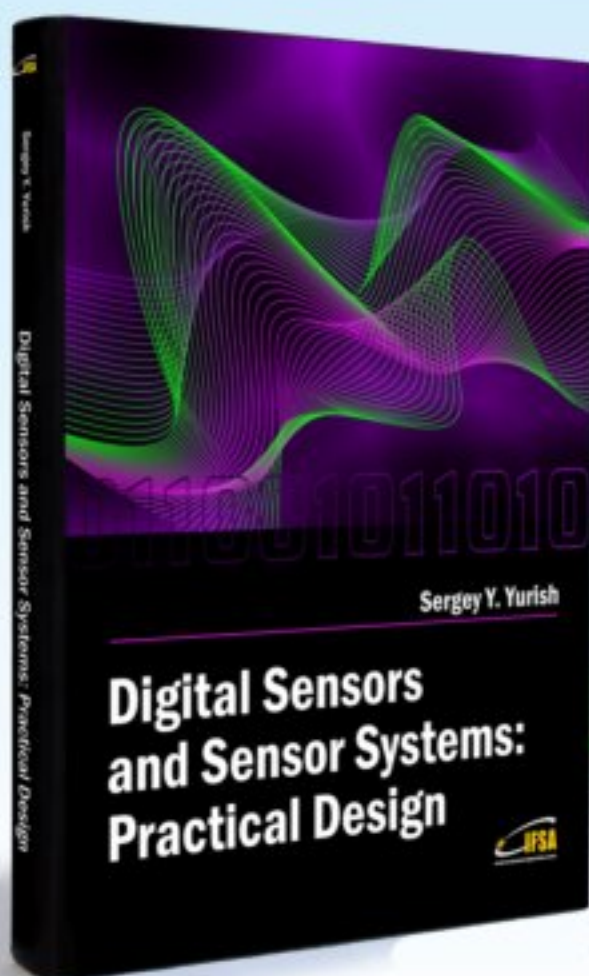
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