

TABLE OF CONTENTS

Volume 3 Number 3

September 2013

Zinc Oxide Nanostructure Thick Films as H₂S Gas Sensors at Room Temperature

- V. S. Kalyamwar, F. C. Raghuvanshi, N. L. Jadhao, A. J. Gadewar.....31

Conducting Rubber Force Sensor: Transient Characteristics and Radiation Heating Effect

- M. Ohmukai, Y. Kami, K. Ashida.....36

Capacitance Sensor for Nondestructive Determination of Total Oil Content in Peanut Kernels

- C. V. Kandala, R. C. N. Rachaputti, D. O'Connor.....42

System Architecture and Design Flow of Smart Mobile Sensing Systems

- W.-J. Yi, J. Saniie.....47

An Integrated ISFET pH Microsensor on a CMOS Standard Process

- F. López-Huerta, R. M. Woo-Garcia, M. Lara-Castro, J. J. Estrada-López, A. L. Herrera-May.....57

A Wireless Inductive-Capacitive Resonant Circuit Sensor Array for Force Monitoring

- A. J. DeRouin, B. D. Pereles, T. M. Sansom, P. Zang, K. G. Ong.....63

Refractometric Fiber Optic Sensor for Detecting Salinity of Water

- S. S. Patil, A. D. Shaligram.....70

Role of Flexible Macro Fibre Composite (MFC) Actuator on Bragg Wavelength Tuning in Microstructure Polymer Optical Fibre Long Period Grating for Strain Sensing Applications

- A. K. Dikshit, Akhil Raj V. L.....75

An Electrochemical Nitrite Sensor Based on a Multilayer Film of Polyoxometalate

- Y. Sahraoui, S. Chaliaa, A. Maaref, A. Haddad, N. Jaffrezic-Renault.....84

Detecting Concentration of Analytes with DETECHIP: A Molecular Sensing Array

- H. Johnke, G. Batres, M. Wilson, A. E. Holmes, S. Sikich.....94

The figure on the front cover is from the article published in Journal of Sensor Technology, 2013, Vol. 3, No. 3, pp. 70-74 by Supriya S. Patil, Arvind D. Shaligram.