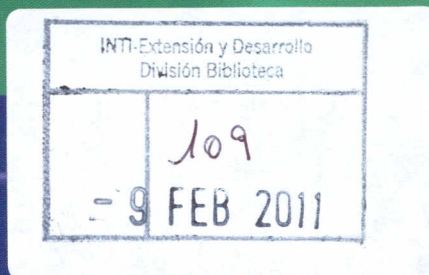


The Electrochemical Society

INTERFACE™



VOL. 19, NO. 4
Winter 2010



IN THIS ISSUE

- 3 *From the Editor:
Too Connected in a
Wireless World?*
- 7 *From the President:
The Present Energy Crisis
Is It Déjà-Vu, All Over Again?*
- 9 *Las Vegas, Nevada
Meeting Highlights*
- 16 *Candidates for
Society Office*
- 26 *Tech Highlights*
- 27 *Sense the Life,
Sense the World*
- 29 *Smart Sensor Systems*
- 35 *Chemical Sensors for
Environmental Monitoring
and Homeland Security*
- 41 *Sensors for Agriculture
and the Food Industry*

SENSE the WORLD

INTERFACE™

Vol. 19, No. 4
Winter 2010



27 Sense the Life, Sense the World

by Peter Hesketh and Jing Li

29 Smart Sensor Systems

by Gary W. Hunter, Joseph R. Stetter, Peter J. Hesketh,
and Chung-Chiun Liu

35 Chemical Sensors for Environmental Monitoring and Homeland Security

by Praveen K. Sekhar, Eric L. Brosha, Rangachary Mukundan,
and Fernando H. Garzon

41 Sensors for Agriculture and the Food Industry

by Suiqiong Li, Aleksandr Simonian, and Bryan A. Chin

3 From the Editor:
Too Connected in a
Wireless World?

7 From the President:
The Present
Energy Crisis:
Is It Déjà-Vu,
All Over Again?

9 Las Vegas Meeting
Highlights

16 Candidates for
Society Office

18 Society News

23 People News

26 Tech Highlights

47 Currents

49 Section News

51 O. de Nora
Fellowship Report

52 Awards

55 New Members

59 ECS Fellowship Reports

65 Student News

71 Boston, Massachusetts
Call for Papers

On the cover...

A scanning electron micrograph of an array of four microfabricated polysilicon gas sensors, built at Georgia Tech, forms the basis of this issue's cover. See page 29 for the related story.

Cover design by Dinia Agrawala.