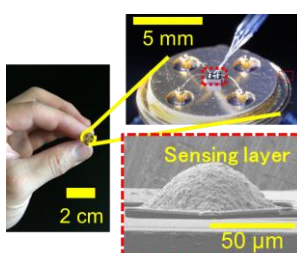
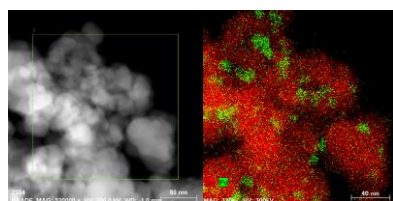


# Block Course Seminar at Kyushu University for Semiconductor Gas Sensors

**24 – 28 September 2024**

On-site block course seminar,  
Chikushi campus, Kyushu University, Fukuoka, Japan



— HP of Figaro Engineering Inc.

*The seminar is partially supported by Figaro Engineering inc. and jointly organized by the Interdisciplinary Graduate School of Engineering Sciences (IGESE) at Kyushu University*

## ◆ *History of Kyushu University about Metal-oxide-based Gas Sensors*

In 1962, Prof. Seiyama proposed a gas detection device using ZnO, and the laboratory began the research on gas sensors. His work was continued by Prof. Yamazoe and Prof. Shimano, who developed concepts for designing materials for high-performance gas sensors.

## ◆ *About the block course*

This block course will be held entirely in English and will focus on both fundamental and practical aspects of metal-oxide based gas sensors. The understanding of sensing will be conveyed in a series of lectures and laboratory practical work will demonstrate: sensitive materials synthesis, sensor fabrication, sensing performance evaluation, and sensor applications.

Highlight lectures will be given by:

**Prof. Kengo Shimano** (Kyushu University)

**Mr. Kuniyuki Izawa** (Figaro Engineering Inc.)

**Dr. Nicolae Barsan** (The University of Tübingen)

In order to register for the block course seminar, you are required to send an email to the following e-mail address by 15<sup>th</sup> July 2024.

Contact: Koichi Suematsu (Assoc. Prof., Kyushu University)  
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