

## **Session Program**

**20-21 Jun 2019**

# **8th GOSPEL Workshop. Gas sensors based on semiconducting metal oxides: basic understanding & application fields**

## ***Session 6 - Fundamental understanding - High sensitivity***

Ferrara, Italy

## Friday 21 June

11:30

### Session 6 - Fundamental understanding - High sensitivity

Session | Location: Ferrara, Italy

11:30–12:00

#### Ultra-high sensitive (ppt) gas sensor based on the pulse heating using MEMS technique

**Speaker**

Dr Suematsu Koichi

12:00–12:20

#### Nanocrystalline $\text{LaCoO}_3$ modified by Ag nanoparticles with improved sensitivity to $\text{H}_2\text{S}$

**Speaker**

Artem Marikutsa

12:20–12:35

#### Realizing the Control of Fermi Level and Gas-Sensing Selectivity over Gallium-Doped $\text{In}_2\text{O}_3$ Inverse Opal Microspheres

**Speaker**

Mr Tianshuang Wang

12:35–12:55

#### Sub-ppm $\text{NO}_2$ sensing in temperature cycled mode with Ga doped ZnO thin films deposited by RF sputtering

**Speaker**

Dr Lionel Presmanes

13:00