

Bio-Sensing Engineering Division of Environmental Science and Technology



Università degli Studi del Molise



Architectury of Etra-Sensing Engineering belongs to Department of Agricultural and Environmental Engineering Excility of Agriculture, and to Division of Environmental Science & Technology Graduate School of Agriculture, Eyoto University





Prof. Tetsuhito Suzuki

(Kyoto University, Giappone)

15 e 16 marzo ore 14:00 - 18:00 Aula DISTAAM

"Light & sound-based sensing technologies for products of agriculture, livestock and aquaculture"

Talk topics:

1. Similarities and differences in food culture and food production between Japan (East Asia) and Italy (EU).

- 2. Lectures on fundamental knowledge for spectroscopy and image acquisition systems.
 - What is light and color?
 - Many kinds of spectroscopy.
- Optical elements and know-how for image acquisition.

3. Research activities of sensing technologies for agricultural, livestock and fishery products by light and sound-based technologies as follows:

- Non-destructive sensing of chick in fertile egg and possibility of control.
- Fluorescence imaging for agri-products for the science of "surface".
- Novel techniques by near-field sensors working in THz-IR ranges.