

Program

13:00-13:10

Opening

Teruo Kanki , Osaka University (JP)
Luca Pellegrino, CNR-SPIN (IT)

13:10-13:20

Introduction of ISIR

Akira Oiwa,
Vice-director of ISIR, Osaka University

13:20-14:00 Keynote talk

The importance of scientific
collaboration in the global research
environment

Enrico Traversa,
Science and Technology Counsellor,
Embassy of Italy

14:00-14:30 Invited talk

Neuromorphic control system with
stochastic resonance and its
application to multi-degree-of-
freedom actuator array systems

Yasushi Hotta,
University of Hyogo

14:30-15:00 Invited talk

Nanoengineered thermoelectric thin
films

Paolo Mele,
Shibaura Institute of Technology

15:00-15:30

Coffee Break

15:30-16:00 Invited talk

Capacitive MEMS Accelerometer
Fabricated by Multi-Layer Metal
Technology

Toshifumi Konishi,
NTT-Advanced Technology Corporation

16:00-16:30 Invited talk

Flexible sheet sensors to monitor
biosignals

Teppe Araki,
Osaka University

16:30-17:00 Invited talk

Ongoing activities on functional
materials at University of Genova and
CNR-SPIN

Daniele Marré,
University of Genoa

Group Photo

17:30-19:30

Special speech in Consulate-General
of Italy in Osaka

Luigi Diodati, Consul General

Buffet-style discussion with Poster
presentations

Poster

17:30-

- Flexible sheet sensors to monitor biosignals
Teppe Araki, Osaka University
- Clarification of temperature dependence of
strain effect in flexible single crystal VO₂ wires
Fumiya Endo, Osaka University
- Challenges for microactuators based on VO₂
Nicola Manca, CNR-SPIN
- Epitaxial Ni-Mn-Ga Films: the impact of
growth conditions and post-growth treatments
on microstructure and magnetic configuration
Milad Takhsha Ghahfarokhi, IMEM-CNR
- Growth and characterization of VO₂ thin films
on hexagonal boron nitride
Shingo Genchi, Osaka University
- ASIC implementation of bistable unit
summing network and its stochastic resonant
behavior
Yuki Tomekawa, University of Hyogo
- Mechanical Design and Optimization of Micro
Positioning Systems
Phi Drive Srl

Scope of this international workshop is to promote discussions in the fields of microactuators, MEMS/NEMS, flexible devices and related materials. This event is organized in the framework of the Italy-Japan bilateral project sponsored by the Ministry of Foreign Affairs and International Cooperation of the Italian Republic, and the Japan Society for the Promotion of Science (JSPS).

Organizers

- Teruo Kanki — ISIR, Osaka University (JP)
- Luca Pellegrino — CNR-SPIN (IT)
- Daniele Marré — University of Genoa(IT)
- Nicola Manca — University of Genoa(IT)

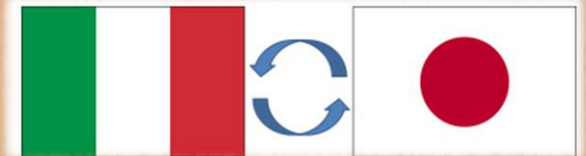


www.vo2actuators.spin.cnr.it

MEMO

2nd Workshop on MICROACTUATORS

Osaka, 4th October 2019



Consolato Generale d'Italia
Osaka