Workshop on MICROACTUATORS

Genoa, 8th October 2018

Scope of the workshop is to promote discussions between scientists and companies working in the field of microactuators and related materials. This event is organized in the framework of the Italy-Japan bilateral project «solid state actuators for micro/nanorobotics» sponsored by the Ministry of Foreign Affairs and International Cooperation, of the Italian Republic.

Invited speakers

- **Franca Albertini** (IMEM-CNR) - "Ferromagnetic shape memory materials: multifunctional properties and possible applications"
- **Flavia Buonanno** (Phi-Drive S.r.l.) - "Important aspects about nanometric positioning systems"
- **Alberto Corigliano** (Politecnico di Milano) - "Mechanics of Microsystems"
- **Irene Fassi** (STIIMA-CNR) - "Micro-gripping methods and devices for the manipulation of electro-mechanical micro-components"
- **Stefano Franceschinis** (SAES Getters) - "Shape Memory Alloys actuators, advanced control for a sensorless approach"
- **Nicola Manca** (Università degli studi di Genova) - "VO_2-based MEMS oscillators"
- **Arianna Menciassi** (Scuola Superiore Sant'Anna) - "Microrobotics: scaling laws, actuation issues, applications"
- **Fabio Quaranta** (IMM-CNR) - "MEMS switches: fabrication, electrostatic actuation, and reliability"
- **Aurelio Somà** (Politecnico di Torino) - "MEMS design for reliability: Mechanical failure modes and testing"
- **Silvia Taccola** (Istituto Italiano di Tecnologia) - "Conducting polymer-based soft microactuators"
- **Hidekazu Tanaka** (ISIR-Osaka Univ.) - "Current activities on Nanotechnology at ISIR-Osaka University"
- **Luca Zanotti** (STMicroelectronics) - "Introduction of Smart Materials in ST-MEMS Vision"

The program is available on
www.vo2actuators.spin.cnr.it

Participation is free of charge. To register please send an email to: luca.pellegrino@spin.cnr.it

Host institutions

Organizers

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

Venue

Physics Department, University of Genoa, via Dodecaneso 33 16146, Genoa (Italy)

With the contribution of

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