



ASSOCIAZIONE  
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## THE FUTURE COMES CLOSER WITH SOFT ROBOTICS

*The session “Soft Robotics” and the workshop “New Trends in Bioinspired Soft Robotics”, in the context of the international conference “NanotechITALY2015”, will focus on biologically inspired robotics.*

Nowadays, scientists draw inspiration from Nature to design robotic devices. Classical engineering solutions have been replaced by mechanisms arising from the observation of natural creatures. **Bio-inspired robots** are usually implemented with biosensors, bioactuators and biomaterials: they increase scientific understanding of the problem domain and possible solutions. Industrial benefits and breakthrough innovations are expected in several fields such as 3D additive manufacturing, wearable rehabilitation/assistive devices or soft surgical/interventional tools. This topic will be dealt with in the session “**Soft Robotics**” which will be held on **Wednesday 25<sup>th</sup> November 2015 at 4.15 PM** (hall 105) in the context of the international conference “**NanotechITALY2015**”, Bologna, 25-27 November, Convention Center (**via Gobetti, 101**) inside the CNR Research Area Campus. Among the speakers: Barbara Mazzolai, Center for Micro-BioRobotics, Istituto Italiano di Tecnologia (IIT); Yong Lae-ParK, The Robotics Institute, Carnegie Mellon University (USA); George Jeronimidis, University of Reading (UK); Matteo Cianchetti, “Biorobotics Institute”, Scuola Superiore Sant’Anna; and Nikos G. Tsagarakis, “Humanoids & Human Centred Mechatronics” (IIT). The subject will be analyzed again in “**New Trends in Bioinspired Soft Robotics**”, **Thursday 26<sup>th</sup> at 9,15 AM** (hall 216). Among the speakers: Barbara Mazzolai; Barbara Webb, Edimburgh University (UK); Antonio De Simone, International School for Advanced Studies (SISSA); Jamie Paik, École polytechnique Fédérale de Lausanne (EPFL), Switzerland; Cecilia Laschi, “Biorobotics Institute”, Scuola superiore Sant’Anna; and Marco Urbano, SAES Group.

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