Prof. Chiara Bartolozzi

Speaker	Chiara Bartolozzi
Talk Title	The Neuromorphic iCub
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Brief Biography

Chiara Bartolozzi (IEEE Member) is researcher at the Istituto Italiano di Tecnologia. She earned a degree in Engineering (with honors) at University of Genova (Italy) and a Ph.D. in Neuroinformatics at ETH Zurich, developing analog subthreshold circuits for emulating biophysical neuronal properties onto silicon and modelling selective attention on hierarchical multi-chip systems. She is currently leading the Event Driven Perception for Robotics group (www.edpr.iit.it), mainly working on the application of the "neuromorphic" engineering approach to the design of sensors and algorithms for robotic perception. She is chair of the Neuromorphic Systems and Application Technical Committee of IEEE CAS.

List of Representative Publications

L. Natale, C. Bartolozzi, F. Nori, G. Sandini, and G. Metta. *The iCub Platform: Evolution and Current Trends*. 2017.

A. A. Khalil, M. Valle, H. Chible, and C. Bartolozzi. CMOS event-driven tactile sensor circuit. *Integration*, 2018.

A. Glover, V. Vasco, and C. Bartolozzi. A controlled-delay event camera framework for on-line robotics. In *2018 IEEE International Conference on Robotics and Automation (ICRA)*, pages 2178–2183, May 2018.

1. A. Glover, V. Vasco, and C. Bartolozzi. A controlled-delay event camera framework for on-line robotics. In *2018 IEEE International Conference on Robotics and Automation (ICRA)*, pages 2178–2183, May 2018.
2. [2] A. Savran, R. Tavarone, B. Higy, L. Badino, and C. Bartolozzi. Energy and computation efficient voice activity detection driven by event-cameras. In *2018 13th IEEE Conference on Automatic Face and Gesture Recognition*, pages 333–340, May 2018.

A. Savran, R. Tavarone, B. Higy, L. Badino, and C. Bartolozzi. Energy and computation efficient voice activity detection driven by event-cameras. In *2018 13th IEEE Conference on Automatic Face and Gesture Recognition*, pages 333–340, May 2018.