

# SEMINARIO

## Machine Perception of Humans for Service Robotics

Nicola Bellotto,

Associate Professor - School of Computer Science, University of Lincoln, UK

**Venerdì 22 novembre, ore 11**

**Aula A, ed. C9, piano terra**



Robots are finally leaving labs and factories, where they have been confined for many years, to become part of our daily life. These robots have created new opportunities for businesses in the industrial and agricultural sectors, but also the possibility to provide more health and social care services for the benefit of the general public. Working among humans, though, poses several challenges: people can be difficult to detect or identify due to cluttered environments; they often move and act in an unpredictable way; and their intentions are not always clear. Despite all this, robots must operate safely and reliably in order to carry on the

*Nicola Bellotto is an Associate Professor in the School of Computer Science, University of Lincoln, UK, and a member of the Lincoln Centre for Autonomous Systems. His main research interests are in machine perception, especially for human detection, tracking, identification and activity recognition with autonomous mobile robots. Before joining the University of Lincoln, he was a researcher in the Active Vision Lab at the University of Oxford. Dr Bellotto is the recipient of a Google Faculty Research Award and a PI/Co-I in several funded projects on autonomous mobile robots.*