



Teaching Robots to See: Challenge and Opportunities

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Room: XOD 02 (In basement) – **B 107**

Location: <https://goo.gl/maps/fNWanm9Gk3PL5XTu7>

Abstract: As vision plays a key role in how we interpret a situation, developing vision-based perception for robots promises to be a big step toward robotic intelligence. This talk will briefly discuss some of the biggest challenges we are faced with in attempting to teach robots to “see” and describe our recent progress in this area at the Vision for Robotics Lab (<https://www.v4rl.com>).

Biography: Margarita Chli is a professor in Robotic Vision at UCY and director of the Vision for Robotics Lab, at the UCY and ETH Zurich. Her work has contributed to the first vision-based autonomous flight of a small helicopter and the demonstration of collaborative robotic perception for a small swarm of drones. Margarita has given invited keynotes at the World Economic Forum in Davos, TEDx, and ICRA, while she was featured in Robohub's 2016 list of "25 women in Robotics you need to know about". In 2023 she won the ERC Consolidator Grant, the most prestigious grant in Europe for blue-sky research, to grow her team at the University of Cyprus to research advanced robotic perception.