

	<p>Name: Polychronis Kondaxakis Email: p.kondaxakis@ieee.org</p> <p>Current affiliation: Founder of NOVOCAPTIS Cognitive Systems and Robotics (startup company)</p> <p>Other affiliations: Aristotle University of Thessaloniki, Faculty of Electrical & Computers Engineering, Automation & Robotics Laboratory</p> <p>Home country: Greece</p>	
<p>Thesis Topic: A Modular Framework for Multi-robot Localization Scenarios</p> <p>Main Research Directions:</p> <ol style="list-style-type: none"> <i>Kalman filter estimation for localization and sensor fusion in a team of mobile robots</i> <i>Distribution techniques of Extended Kalman Filter algorithm for collective localization and mapping purposes</i> 	<p>Principal Research Interests: AI systems design Mobile robot navigation and localization algorithms</p> <p>Multiple moving object detection and tracking algorithms</p> <p>Machine learning</p> <p>Human-machine interaction techniques</p> <p>Robot hardware design and implementation</p> <p>General electronic circuit and embedded system design</p>	<p>Relevant Experience:</p> <p>BEng in Robotics and Automation Manufacturing, 1997</p> <p>MSc in Automation and Control, 1998</p> <p>PhD in Cybernetics, 2004</p> <p>Postdoc Researcher in Multi Robot Localization, 2005</p> <p>Postdoc Researcher in Multi-Target Tracking, 2009</p> <p>Broader scope interests: Aerial robotics, V-SLAM, Augmented reality Game design</p>
<p>Top accomplishments Recognition/Achievements:</p> <p>Leverhulme Trust research project grant- Principal beneficiary of research award.</p> <p>DERA company studentship Awarded for second and third year support of PhD studies.</p> <p>MSc project was awarded a mark of distinction (1st class)</p>	<p>Representative Paper:</p> <p>Kondaxakis P., Baltzakis H., Trahanias P., “Learning Moving Objects in a Multi-Target Tracking Scenario for Mobile Robots that use Laser Range Measurements”, In Proc. <i>IEEE International Conference on Robots and Systems (IROS'09)</i>, 11-15 October, St Louis, Missouri, USA, 2009.</p>	<p>Languages: Greek (native speaker), English (fluently)</p> <p>Dreams/Hobbies: Enthusiast of Sci-Fi culture, Toy modeling, Small electronics projects, Science fiction reader.</p> <p>Other: He designed and implemented four interactive tables with sensors and actuators, for Polymechnon S.A. an interactive edutainment park (www.polymechnon.gr)</p>