
	<p>Name: Alexander Petrov Email: skb-it@rgata.ru Website: www.rgata.ru/sites/mpoevs</p> <p>Current affiliation: PhD Student, Rybinsk State Academy of Aviation Technology (RSAAT) Other affiliations: Collaborator of ISA RAN Intelligent and dynamic systems lab (http://www.isa.ru/index.php?lang=en), Collaborator of MC# Team (www.mcsharp.net), Member of IEEE Signal Processing, Computer, Robotics and Automation societies.</p> <p>Home Country: Russia</p>	
<p>Thesis topic:</p> <p>Cognitive modeling of motives-based mobile robot's autonomous goals generation.</p> <p>Main research directions: Architecture of embodiment intelligent agent Make robot's vision components more deliberative dependent</p>	<p>Principal research interests:</p> <ol style="list-style-type: none"> 1. Cognitive modeling with application in robotics 2. Mobile robot control and perception systems 3. Computer vision and digital image processing 4. Multicore CPU, GPU and FPGA programming 	<p>Relevant experience:</p> <ol style="list-style-type: none"> 1. 2007 – BS degree in Computer Science, Thesis theme: Design of real-time computer system based on parallel programming models. 2. 2009 - MSc degree in Computer Science, Thesis theme: 3D scene and motion reconstruction from multiple images
<p>Award:</p> <ol style="list-style-type: none"> 1. The best Computer Science and Electronic Engineering student in the Rybinsk State Academy of Aviation Technology in the year 2005. 2. Finalist of T-Platforms' PowerXCell8i programming contest in the year 2008 3. Participation in ETH Vision and Sports Summer School 2009 4. Managing student design office since the year 2007 	<p>Representative papers:</p> <ol style="list-style-type: none"> 1. Petrov A.V. "Video system design for scene and motion reconstruction task in robotics", Samara: conference "The problem of nowadays science", 2009 2. Petrov A.V., Bolshakov O.S., "Control software verification with application in robot control system", Rybinsk: conference "Theory and practice of system analys", 2010 	<p>Languages:</p> <p>Russian (mother tongue), English</p> <p>Dreams/Hobbies:</p> <p>My dream is to have much time and concentration for my research. Hobbies: playing and enjoying music, walking with my dog, traveling.</p>