

"Collective & Swarm Robotics"-III

Results & Perspectives

Sergey Kornienko

Overview of Jasmine' development

Start of development First prototypes 10 robots & experiments Second development Third development

October 2004 December 2004 February 2005 April 2005 December 2005



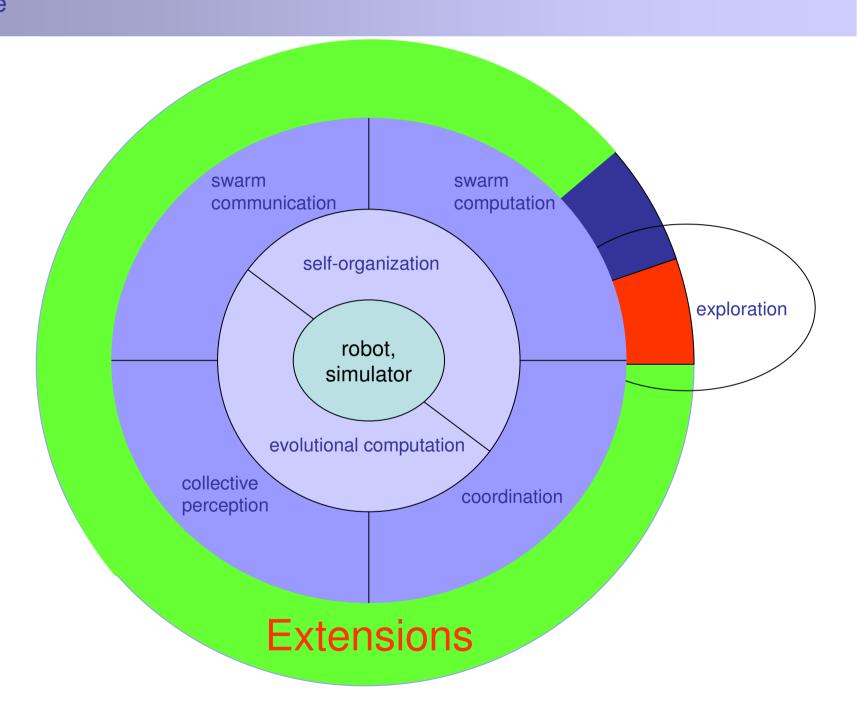








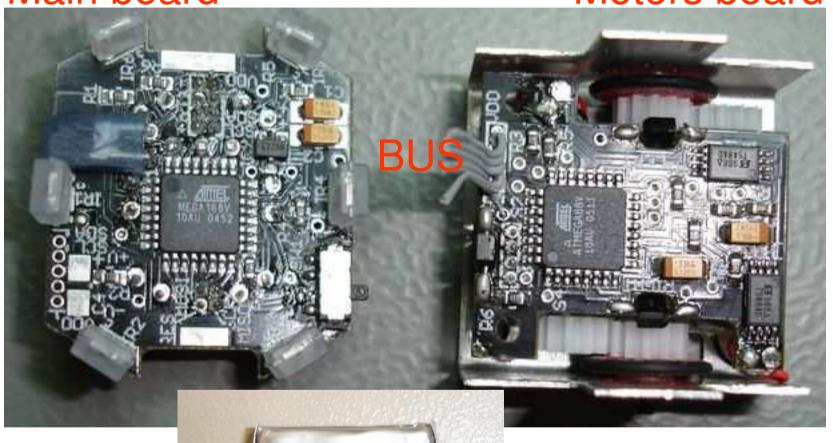
Structure



Jasmine III now (hardware)

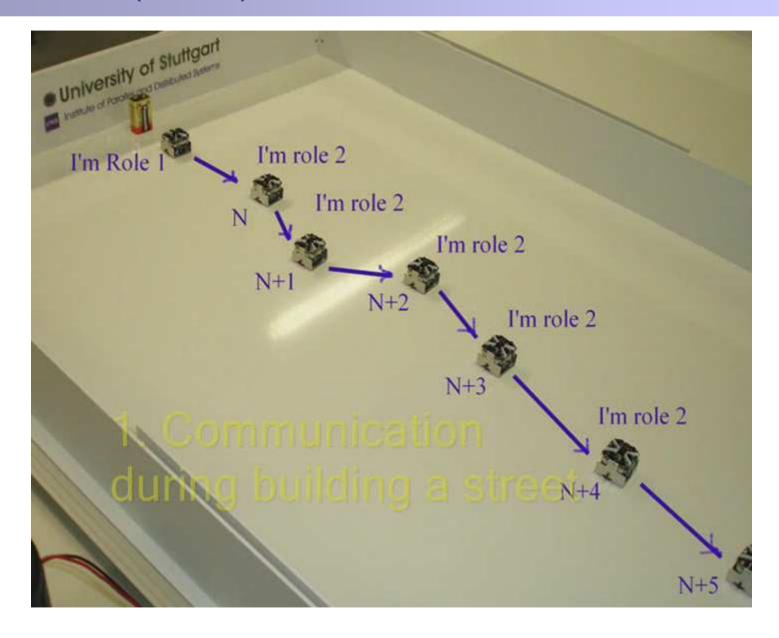
Main board

Motors board



Smart powering board

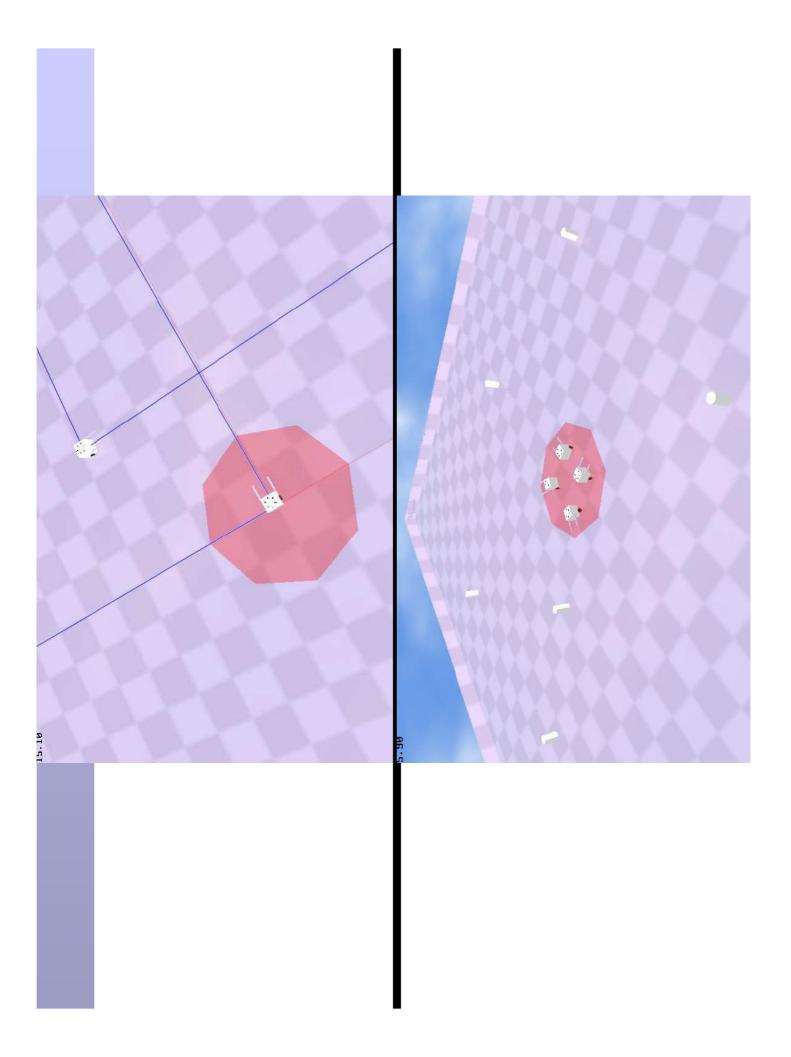
jasmineSDK now (software)



Swarm Intelligence - Clever Algorithms

Swarm Intelligence = Clever Sensor System

+ clever algorithms







The third issue

	Extension	Developers team
	Ego-position system, Light gradient detection and Programming	Karlsruhe
	Electro-magnetic gripper	
	Wireless communication	
	Odometrical system	Stuttgart
	Auto Recharge System	Stuttgart, Bittibot



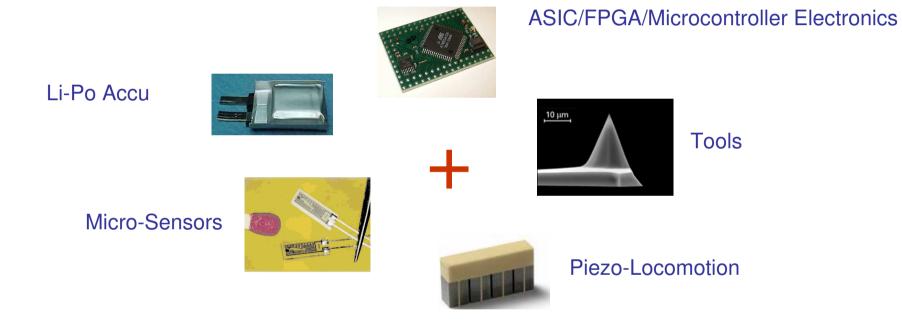
Tiny camera?

The publicity & coordination issues





The future issues II



Thank you