

Einladung zum Vortrag:

"Die Künstliche Intelligenz des Schwarms - aktuelle Forschung in der Robotik"

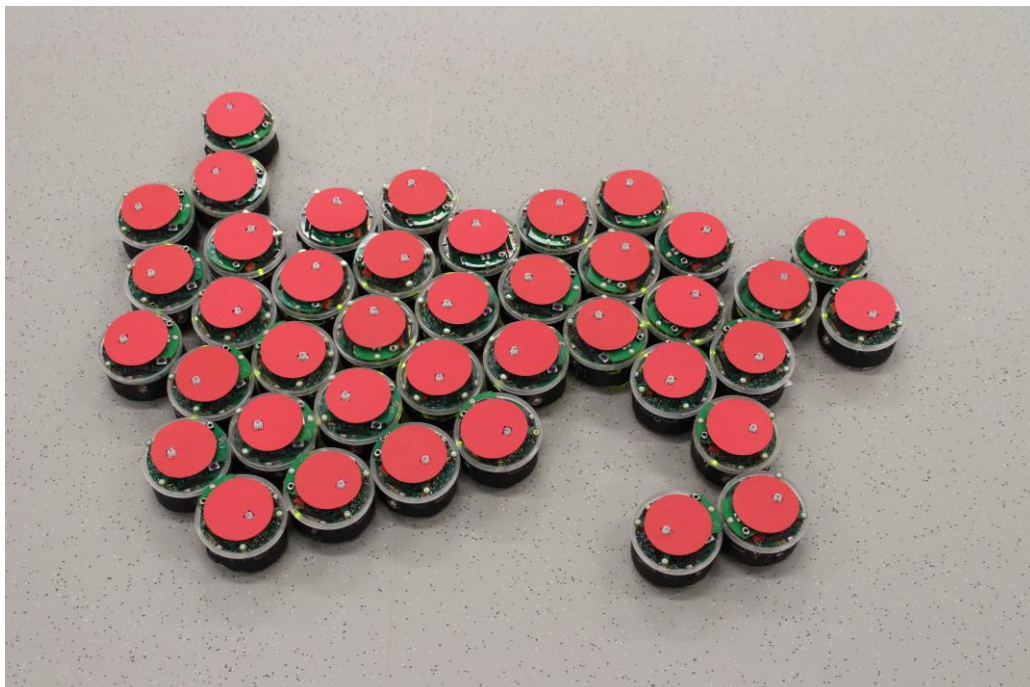


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Swarm robotics studies how groups of up to thousands of robots can collaboratively accomplish tasks in a distributed way. This talk presents ([in English](#)) some of the recent advances in this field.

First, we consider the problem of designing behavioral rules for robots of extreme simplicity. We show among others how "computation-free" robots, with only a few bits of information, can cluster objects, or distribute themselves in an environment with obstacles. Second, we consider the problem of inferring the behavioral rules of robots. We use a machine learning method that is inspired by the famous Turing test, and discuss applications to robotics and beyond.



20.08.2018, 18:30 Uhr im oLaF
(Freiherr-vom-Stein-Schule Fulda)