

Einladung

zum

ZHR - Kolloquium

Titel: The power of the swarm:
Distributed intelligence for distributed systems

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Abstract:

What is "swarm intelligence"? What about "emergence"? How much substance is there to be found in these concepts and, in particular, can one extract ideas, mechanisms, or heuristics of real utility from these concepts, for application in distributed systems such as networked computers or telephones? I will discuss these questions, illustrating them with an example: the finding of good routes in a network by a "swarm" of small, mobile entities which are modelled after biological ants. This is an example of an approach which is currently generating much interest: the study of decentralized biological systems manifesting swarm intelligence, with the goal of applying the insights gained to the design of self-maintaining technological systems.

Ort: Willers-Bau C207
Zeit: Montag, den 14. Oktober 2002, 14.00 Uhr

gez. Prof. Dr. W.E. Nagel

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