

Hybrid Stigmergic Mechanisms for Information Extraction

Extended Abstract

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Instances of stigmergy may be classified by the kinds of changes that agents make in their environments, and by the topological structure of that environment. We are combining stigmergic mechanisms that vary across both dimensions in an information extraction application. Our preliminary experimental results show that these mechanisms can be combined, and that they can enable self-organization even in the absence of the low-dimensional topologies that are ubiquitous in natural systems.

1. The Application Domain

The volume of machine-readable natural language text is expanding far more rapidly than the ability of people to review it for the information they need. Exhaustive examination