

Karlsruhe, 08. November 2004

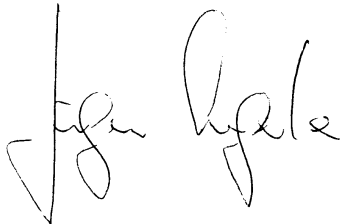
To Whom It May Concern:

Since October 2002, ontoprise is participating in the multi-stage Halo Project, an effort by Vulcan Inc. towards the development of a "Digital Aristotle". The first stage of Halo, beginning in October 2002 was a challenging 6-month feasibility study for the capability of Knowledge Representation and Reasoning technology to answer novel questions. The outstanding success of that first project stage led VULCAN Inc. to announce Halo2, the second, long-term stage for the development of an intuitive and novel knowledge acquisition environment, an application that will allow domain experts to formulate knowledge with decreasing dependence on knowledge engineers, and to pose questions and problems to the knowledge systems.

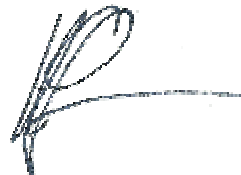
For over two years Noah charted and managed the highly ambitious research project Halo, establishing and maintaining a visionary long term perspective as well as expert control over its day to day operations. He showed a broad set of skills to deal with issues external to the projects as well as to manage the 10+ contractors to the project. Noah was mainly responsible for the evaluation methodology in the first stage of the project and broke down a high level target ("what is state of the art in Knowledge Representation and Reasoning?") into a challenging real world scenario of passing AP exams. From the experiences of stage one, he derived the main shortcomings of the technology and consequently designed stage two of the project to overcome the bottleneck of knowledge acquisition. Therefore he envisioned the document-rooted approach, that congenial combines usability and pragmatism with economic rationality by using existing textbooks as a foundation of the to be constructed knowledge bases.

We got to know Noah as a project manager with an outstanding dedication to his profession and call him with great certainty an untiring promoter of a large and very prominent international multi team project in the field of Artificial Intelligence and an advocate of any single participating team. We appreciated the time working together with him and are very looking forward to new opportunities of collaboration.

Sincerely,



Professor Juergen Angele
Managing Director of ontoprise GmbH



Henrik Oppermann
Associate of ontoprise GmbH