

## **Brief Bio: Stephen Soderland**

Dr. Soderland coordinates the Panlingual project at the University of Washington's Turing Center. He is currently supervising a project that incorporates controlled language input into a machine translation (MT) system. The goal is to improve MT accuracy by including a human in the loop to reduce lexical ambiguity. Future plans are to explore structurally controlled input into MT as well. Another Turing Center project is to automatically induce a translation lexicon from comparable corpora in a pair of languages. In addition to work with the Panlingual project, Soderland leads system design for the KnowItAll project at the University of Washington, which does unsupervised information gathering from the Web in a scalable, autonomous manner. Soderland did pioneering work in machine learning for natural language processing while at the University of Massachusetts. He designed systems for in-depth text understanding of radiology reports at UCLA and information extraction of medical research papers for the UW School of Medicine.

### **Education**

University of Massachusetts	Computer Science	Ph.D.	1997
University of Massachusetts	Computer Science	M.S.	1995
Stanford University	Mathematics	B.S.	1971

### **Appointments**

Research Scientist, Dept. Computer Science and Engineering, UW	May 2003 - present.
Research Scientist, Dept. Medical Education, UW	Oct 2001 - June 2002
Assistant Professor, Dept. of Radiological Sciences, UCLA	Jan 1998 - Sept 2001