



**NANYANG
TECHNOLOGICAL
UNIVERSITY**

Centre for Liberal Arts and Social Sciences



I n v i t a t i o n



The Centre for Liberal Arts and Social Sciences (CLASS)
presents

CLASS Seminar Series

Date: Thurs, 13 Aug 09
Time: 3.30pm -5.30 pm
Venue: HSSS EM RM 10
(HSS-B1-10)

"Automatic Machine Translation Rule Acquisition From Dictionaries and Parallel Corpora" by Eric Nicholas

Abstract of talk

The rapid acquisition of translation knowledge is an integral part of developing a high-coverage machine translation system. In this presentation, I describe methods for automatically acquiring translation rules for a semantic transfer-based machine translation system from two sources: bilingual dictionary entries and parallel corpora. I present some analysis of the linguistic phenomena that the automatically acquired rules allow a Japanese-English MT system to handle, and give some analysis of the system's translation quality.

Biography

Eric Nichols is a Researcher and Ph.D candidate at Nara Institute of Science and Technology in Japan. He received a Bachelor of Science in Computer Science and a Bachelor of Arts in Japanese from the University of Maryland at College Park. He also has a Master of Engineering in Information Science from Nara Institute of Science and Technology and is a recipient of the Research Student Scholarship from the Japanese Government Ministry of Education, Culture, Sports, Science and Technology. Eric has done extensive research on semantic-transfer based machine translation and has also worked on ontology acquisition and information credibility analysis. He has done joint research with NTT and NICT, and his research on pivot-based MT has been sponsored by Microsoft Research Asia.

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