

**NATURAL LANGUAGE &
COMPUTER SCIENCE**

VALERIA DE PAIVA AND LARRY MOSS

AN ILLUSTRIOUS HERITAGE...

of studying Logic, Computation and Language in parallel:

ESLLI European Summer School on Logic, Language and Information – since 1989

NASSLLI North American ESLLI – for 6th edition in 2014

LACL Logical Aspects of Computational Linguistics, 7th edition 2012, since 1995

WOLLIC Workshop on Logic, Language Information and Computation since 1994

MOL Mathematics of Language

Formal Grammar

[LLC, CTCS] etc...



METHODS AND TOOLS FROM CS/ PROGRAMMING LANGUAGES...

Proof theoretical semantics

Type theoretical analysis

Implicit Complexity Analysis

Games Semantics

Coalgebraic/categorical methods



LANGUAGE TECHNOLOGY...

For language, **growing** number of bigger meetings

ACL

NAACL

COLING

LREC

EMNLP

Etc..

Plus Automated Deduction/AI/KR ones



A GOOD TIME?

Statistical NLP developing at speed

More jobs, internships, projects, open source software tools than ever...

Siri, Watson good PR for language

BUT issues too:

Too much derivative machine learning

Too little learning from machine learning

Too much reliance on 'made-up' numbers

Not enough experiments hybridizing methods



TWO GRAPHS: A NOTE OF CAUTION?

From: Studying the History of Ideas Using Topic Models, by Hall, Juravsky and Manning 2008,

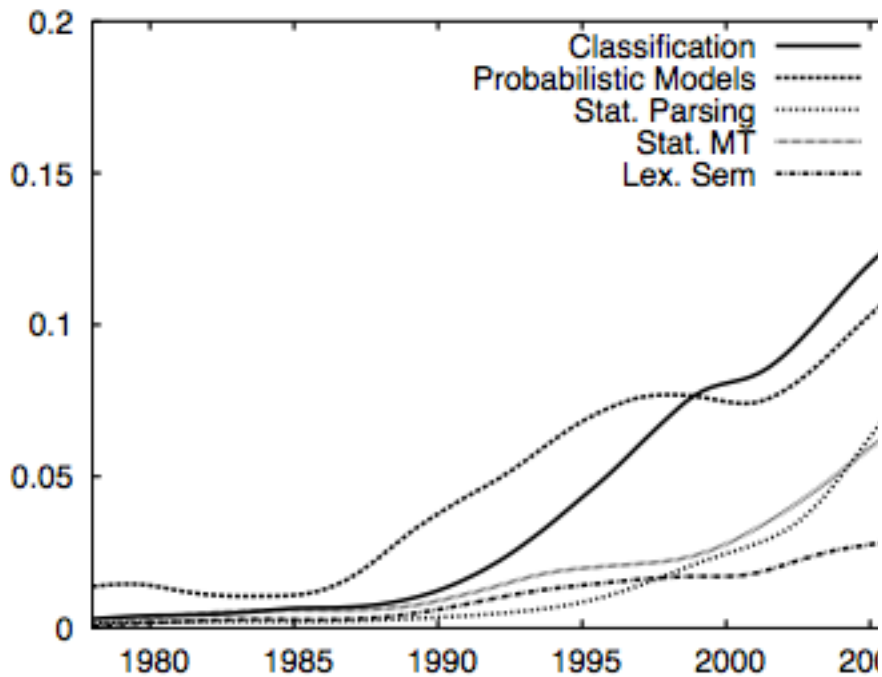


Figure 1: Topics in the ACL Anthology that show a strong recent increase in strength.

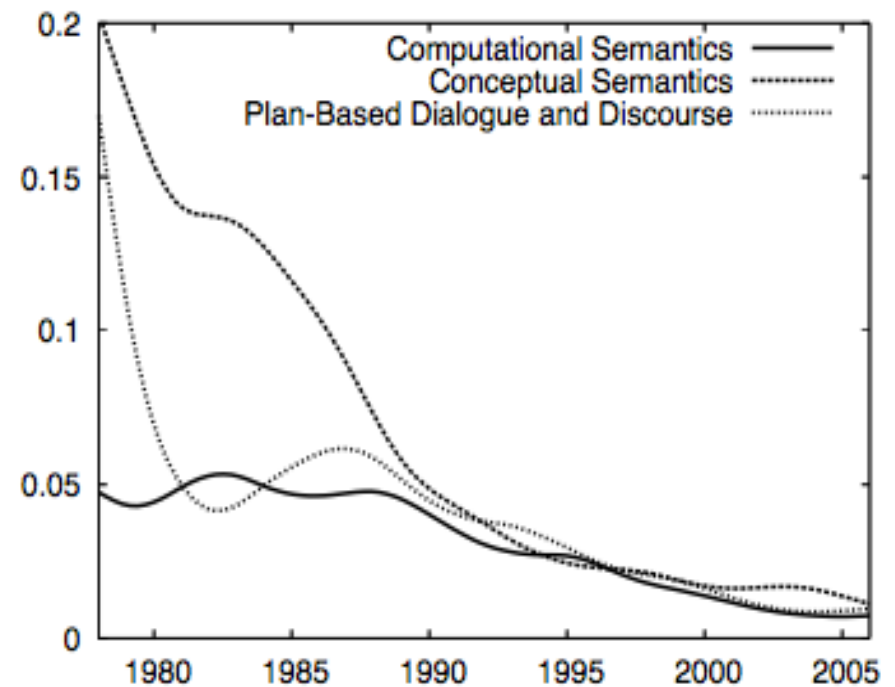


Figure 2: Topics in the ACL Anthology that show a strong decline from 1978 to 2006.

THOUGHTS, SUGGESTIONS?

Pulling resources?

New workshop?

Backburner?

A new mailing list?

Get in touch!

Thanks!



PROGRAM

9 - 10 AM Wlodek Zadrozny

10 - 10:20 Break

10:20 Robin Cooper

11:20 Bruno Mery

11:55 Christophe Fouquere

12:35 - 2pm Lunch

2:00 - 3:00 Ian Pratt-Hartmann

3:00 - 3:40 Alex Djalali

3:40 Break

4:00 - 4:40 Wren Thornton

4:40 - 5:30 Larry Moss