

# Elena Filatova

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EDUCATION      **Columbia University**, New York, NY USA      **2001 - 2007**  
PhD, Computer Science  
*Advisor:* Kathleen McKeown  
*Thesis:* “Use of Domain Models Based on Atomic Events for Question Answering”

**University of Southern California**, Los Angeles, CA USA      **1999 - 2001**  
MSc, Computational Linguistics  
*Advisor:* Eduard Hovy  
*Thesis:* “Assigning Time-Stamps to Event-Clauses”

**Moscow State University**, Moscow, Russia      **1994 - 1999**  
**Department of Philology**  
5-year degree (diploma) in Comparative Linguistics of Germanic Languages

**Moscow State University**, Moscow, Russia      **1993 - 1998**  
**Department of Computational Mathematics and Cybernetics**  
5-year degree (diploma) in Mathematics

EMPLOYMENT      **InforSense**, Cambridge, MA USA  
  
*Solution Architect*      **2007 - present**

**IBM Research, TJ Watson**, Hawthorne, NY USA  
  
*Summer Intern; Mentor:* John Prager      **summer 2004**

I proposed, designed, and implemented an unsupervised learning technique for extracting biographical activities. These activities are extracted from collections of documents containing mentions of people belonging to various occupations. We reported the results in HLT 2005.

**Information Sciences Institute (ISI/USC)**, Marina Del Rey, CA USA  
  
*Research Assistant*      **2000 - 2001**

- Part of the joint ISI and ISSCO project on Evaluation of Machine Translation: I worked on the ISLE Classification of Machine Translation Evaluations (See <http://www.isi.edu/natural-language/mteval/>)
- Part of the ISI summarization project: study of time-line of newswire documents: I worked on mapping text snippets onto a time-line.

PUBLICATIONS      **Refereed Conference and Workshop Publications**  

- E. Filatova, V. Hatzivassiloglou and K. McKeown. *Automatic Creation of Domain Templates*. 2006. In the Proceedings (Posters) of ACL/COLING, Sydney, Australia.

- E. Filatova and J. Prager. *Tell Me What You Do And I'll Tell You What You Are: Learning Occupation-Related Activities for Biographies*. 2005. In the Proceedings of HLT/EMNLP, Vancouver, Canada.
- E. Filatova and V. Hatzivassiloglou. *A Formal Model for Information Selection in Multi-Sentence Text Extraction*. 2004. In the Proceedings of COLING, Geneva, Switzerland.
- E. Filatova and V. Hatzivassiloglou. *Event-Based Extractive Summarization*. 2004. In the Proceedings of ACL Workshop on Summarization, Barcelona, Spain.
- E. Filatova and V. Hatzivassiloglou. *Domain-Independent Detection, Extraction, and Labeling of Atomic Events*. 2003. In the Proceedings of RANLP, Borovets, Bulgaria.
- E. Filatova, E Hovy. *Assigning Time-Stamps to Event-Clauses*. 2001. In Proceedings of ACL Workshop on Temporal and Spatial Reasoning at the Conference. Toulouse, France. Also in: I. Mani, J. Pustejovsky, and R. Gaizauskas (eds.). *The Language of Time: A Reader*. 2004. Oxford University Press.

### Book Chapters

- E. Filatova and V. Hatzivassiloglou. *Marking Atomic Events in Sets of Related Texts*. In N. Nicolov, K. Boncheva, G. Angelova, and R. Mitkov (Eds.). *Recent Advances in Natural Language Processing Part III*. 2003. John Benjamin Publishers CILT series (Current Issues in Linguistic Theory)
- E. Filatova and E. Hovy. *Assigning Time-Stamps to Event-Clauses*. 2004 In I. Mani, J. Pustejovsky, and R. Gaizauskas (eds.) *The Language of Time: A Reader*. 2004. Oxford University Press.

### Unrefereed Publications

- D. Roussinov, M. Chau, E. Filatova, J. Robles. *Building on Redundancy: Factoid Question Answering, Robust Retrieval and the "Other"*. 2005. In the Proceedings of Text REtrieval Conference (TREC), Gaithersburg, MD.
- S. Pradhan, G. Illouz, S. Blair-Goldensohn, A. Schlaikjer, V. Krugler, E. Filatova, P. Duboue, H. Yu, R. Passonneau, S. Bethard, V. Hatzivassiloglou, W. Ward, D. Jurafsky, K. McKeown, and J. Martin. *Building a Foundation System for Producing Short Answers to Factual Questions*. 2002. In the Proceedings of Text REtrieval Conference (TREC), Gaithersburg, MD.
- E. Hovy, E. Filatova, M. King, and B. Maegaard. *The ISLE Classification of Machine Translation Evaluations*. 2001. Technical report, see <http://www.isi.edu/natural-language/mteval/>.

TEACHING  
EXPERIENCE

#### Artificial Intelligence (Teaching Assistant)

Department of Computer Science, Columbia University  
Professor: Kathleen McKeown

Spring 2004

#### Programming Languages and Translators (Teaching Assistant)

Department of Computer Science, Columbia University  
Professor: Stephen Edwards

Fall 2003

ACADEMIC SERVICE **Organizer of:**

- Columbia NLP group meetings (Spring 2007)
- Columbia NLP group meetings (Fall 2006)
- Columbia NLP reading group meetings (Spring 2003)
- Columbia NLP reading group meetings (Fall 2002)

**Reviewer for:**

World Wide Web Journal  
Information Processing and Management Journal  
IEEE Intelligent Systems Magazine

**Program committee member for student research workshops:**

ACL 2002  
NAACL/HLT 2003  
ACL 2005  
ACL 2006