

CONTACT  
INFORMATION

Computational Linguistics and Information  
Processing Laboratory (CLIP)  
Department of Computer Science  
University of Maryland-College Park

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<http://www.cs.umd.edu/~sayyadi/>RESEARCH  
INTERESTS

- Machine Learning and Social Network Analysis
- Information Extraction and Information Retrieval

## EDUCATION

**University of Maryland-College Park, MD, USA.**

PHD., Computer Science, 2007-Now, GPA: 4.0/4.0

Advisor: Louiqa Raschid

Co-Advisor: Lise Getoor

**University of Maryland-College Park, MD, USA.**

M.S., Computer Science, 2007-2009, GPA: 4.0/4.0

Advisor: Louiqa Raschid

**Sharif University of Technology, Tehran, Iran**

M.S., Computer Engineering, 2005-2007, GPA: 17.32/20

Thesis Title: News Retrieval and Mining

Advisor: Hassan Abolhassani

**Sharif University of Technology, Tehran, Iran**

B.S., Computer Engineering, 2001-2005, GPA: 16.20/20

Thesis Title: Semantic Web Crawler

Advisor: Hassan Abolhassani

HONORS AND  
AWARDS

- **Best Student Paper Award** in Data Integration in the Life Sciences(DILS'08), France, 2008.
- **Nominated for The Best Paper Award** in IAENG International Conference on Computer Science (ICCS'07), Hong Kong, 21-23 March, 2007.
- **Ranked 1th** in "Programing Competition" among B.S. students of Computer Engineering Department, Sharif university of technology, 2004.

RESEARCH  
INTERNSHIPS

- Microsoft Research & LiveLabs, Redmond, WA, Summer 2008  
Project: Event Detection and Tracking in Social Streams (Blogs)  
Mentor: Matthew Hurst
- StreamSage (Comcast Research Lab), Washington, DC, Summer 2010  
Project: Topic Segmentation  
Mentor: Amit Bagga and Anthony Davis
- StreamSage (Comcast Research Lab), Washington, DC, Summer 2011  
Project: Fusion based Topic Segmentation  
Mentor: Amit Bagga

## PUBLICATIONS

- "Learning Parameters of Random Walk Ranking Algorithm on Multi-Relational Graphs", under preparation.
- "A Graph Analytical Approach for Fast Topic Detection", under review.
- **H. Sayyadi**, J. Edmonds, V. Hristidi, and L. Raschid, "Challenges in Personalized Authority Flow Based Ranking of Social Media", to Appear in Proceeding of The 19th ACM International Conference on Information and Knowledge Management (CIKM2010), Toronto, Canada, 2010.
- J. Edmonds, L. Raschid, **H. Sayyadi**, and S. Wu, "Exploiting Social Media to Provide Humanitarian Specialist Users with Event Based Search, Recommendations and Personalized Content", 7th International Conference on Information Systems for Crisis Response and Management (IS-CRAM), 2010, Seattle, Washington.
- **H. Sayyadi**, M. Hurst, and A. Maykov. "Event Detection and Story Tracking in Social Streams". to Appear in Proceeding of 3rd Int'l AAAI Conference on Weblogs and Social Media (ICWSM2009), May 17 - 20, 2009, San Jose, California.
- **H. Sayyadi**, and L. Getoor. "FutureRank: Ranking Scientific Articles by Predicting their Future PageRank". to Appear in Proceeding of SIAM International Conference on Data Mining (SDM09), USA, Nevada, 2009.
- W. J. Lee, L. Raschid, **H. Sayyadi**, and P. Srinivasan, *Exploiting Ontology Structure and Patterns of Annotation to Mine Significant Associations between Pairs of CV Terms*, To appear in Data Integration in the Life Sciences (DILS'08), France, 2008 (**The Best Student Paper Award**)
- **H. Sayyadi**, S. Salehi, and M. Ghodsi, "SimDiv: a New Solution for Protein Comparison", a book chapter in Current Trends in Intelligent Systems and Computer Engineering, published by Springer, 2007.
- **H. Sayyadi**, S. Salehi and M. Ghodsi, "Using Similarity Flooding for Extracting Similar Parts of Proteins", to Appear in Proceeding of IAENG International Conference on Computer Science (ICCS'07), Hong Kong, 21-23 March, 2007 (**Nominated for The Best Paper Award**).
- **H. Sayyadi**, S. Salehi and H. Abolhassani. "NeSReC: News meta-Search Result Clustering". to Appear in Proceeding of CIS2E 06 The International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering December 4-14, 2006
- **H. Sayyadi**, S. Salehi and H. Abolhassani. "Survey on News Mining Tasks". to Appear in Proceeding of CIS2E 06 The International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering December 4-14, 2006
- M. Jamali, **H. Sayyadi**, B. Bagheri Hariri and H. Abolhassani, "A Method for Focused Crawling Using Combination of Link Structure and Content Similarity", to Appear in Proceeding of 2006 IEEE/WIC/ACM International Conference on Web Intelligence (WI-06), Hong Kong, December 2006.
- B. Bagheri Hariri, **H. Sayyadi**, H. Abolhassani and K. Sheykh Esmaili, "Combining Ontology Alignment Metrics Using the Data Mining Techniques", In Proceeding of 2006 International Workshop on Context and Ontologies, August 2006, Trento, ITALY.

## GRADUATE COURSES

- Data Mining, Machine Learning, Link Mining, Decision Support Systems, Sensor Networks and Data streams, Computational Challenges of Web 2.0 and Beyond, Neural Modeling, Computational Linguistics, Complex Networks in Business.
- Computer Networks, Distributed Systems, Computer Performance Evaluation, Advanced Software Engineering
- Parallel Algorithms, Computational Geometry

## CO-SUPERVISED BS THESES

- News Retrieval System for Persian News, Fall 2006
- News collection with detecting their importance in the corresponding news source, Spring 2007

WORK  
EXPERIENCES

**Teaching Assistantships**

- Data Mining, Semantic Web, Modern Information Retrieval, Programming Languages, Object Oriented Programming in Java, Design and Analysis of Algorithms, and Data Structures and Algorithms

**Technical Work Experiences**

- ObjectJ Co., System Designer and J2ee Developer, 06/2002 - 03/2006
- Irankhodro Co., Technical Consultant for mining customers database, 10/2006 - 12/2006

TECHNICAL SKILLS

- Proficient in Java, J2EE, C++, C#, Matlab, Python, XSLT, XML, HTML, JavaScript, PHP, and LaTeX.
- Proficient in Mysql, MS SQL Server, PostgreSQL, and DB2.
- Familiar with 80x86 Assembly ,Prolog and Verilog, and CSS.

EXTRACURRICULAR  
ACTIVITIES

- Member of the Soccer Team of Computer Engineering Department, 2003-2006.
- Member of the Soccer Team of Sharif University of Technology, 2004-2006.
- Member of the Basketball Team of Computer Engineering Department, 2004-2006.