REGINA COLLINS
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CURRICULUM VITAE

EDUCATION
New Jersey Institute of Technology, Newark, NJ

Doctoral Candidate, Information Systems
College of Computing Sciences
> Fall 2010 - Spring 2014 (expected)

Status: Course requirements (completed)
> Qualifying examinations (completed)
> Research proposition (completed)
> Dissertation proposal defense (expected Spring 2013)

GPA: 4.0

M.S. in Professional and Technical Communication
College of Science and Liberal Arts
> Fall 2008 - Spring 2010

Thesis: "Web-Based Portfolio Assessment: An Open Source Solution for Platform Design"
Advisors: Dr. Norbert Elliot, Dr. Fadi Deek, Dr. Philip Andrew Klobucar
GPA: 4.0

B. S. in Computer Science (1985)
College of Computing Science

ACADEMIC EMPLOYMENT HISTORY

Research Assistant
NJIT Advance (2011-2013)
National Science Foundation grant #1008549
PI: Nancy Steffen-Fluhr; CoPIs: Robert Friedman, Katia Passerini, Yi-Fang (Brook) Wu

NJIT Advance seeks to explore faculty collaboration as evidenced through co-authorship of published papers and grant proposals using both traditional statistical analysis and social network analysis methodologies, using this data to encourage the inclusion and advancement of women and under-represented minorities in the STEM disciplines.

- Developed matrix of faculty grant proposal collaborations

- Analyzed social networks based upon faculty co-authorships and grant proposal collaborations, including networks based on objectively gathered data (from Scopus and Google Scholar) and self-reported faculty data
- Created faculty attribute files which included co-authorship counts and rates, grant proposal counts and rates, rank and tenure status changes, and patent applications
- Attended workshop on the use of Carnegie Mellon's Organizational Risk Analyzer tool to visualize and analyze social networks
- Assisted in development of social network visualization tools to display co-authorship and research interest connections among faculty
- Attended 3-day intensive workshop with Dr. Anatoliy Gruzd to facilitate analysis of faculty collaboration networks using social networking research software such as UCINET and ORA; learning the customization of research interest visualization tool (rMap); and exploring the use of social media analysis tools (Netlytic.org)
- Presented findings at conferences through presentations and posters
- Worked with PI Dr. Nancy Steffen-Fluhr to document findings for publication

Teaching Assistant (in fulfillment of academic scholarship requirements)
IS 663 – Advanced System Analysis and Design
Prof: Vassilka Kirova

This course teaches students the skills required to analyze requirements for the design and management of enterprise-scale information systems solutions, including effective organizational and global project management practices.
- Responded to student questions regarding various topics covered in class
- Graded student group projects, article reviews, and final examinations based on rubrics/guidelines provided by Prof. Kirova

Research Assistant
Open Knowledge Exchange System (2010-2011)
National Science Foundation grant #0968445
PI: Robert Friedman; Co-PIs: Michael Brownstein, Norbert Elliot, Nicole Radziwill, Brian Whitworth

The Open Knowledge Exchange System seeks to promote meta-disciplinary collaboration based on socio-technical principles.
- Based on extensive literature review, developed online survey soliciting input regarding requirements for fair and legitimate socio-technical system design
- Analyzed survey results using SAS statistical software package
- Published research findings in peer-reviewed journal article
- Participated in system design and development to ensure requirements identified by survey were met

Research Assistant
NJIT Advance (2009-2010)
National Science Foundation grant #0547427
PI: Nancy Steffen-Fluhr; Co-PIs: Priscilla Nelson, Sima Bagheri, Zoi-Heleni Michalopoulou, Lisa Axe

NJIT Advance seeks to explore connections established through faculty co-authorship of published papers to encourage the inclusion and advancement of women and under-represented minorities in the STEM disciplines.

- Analyzed social networks based upon faculty co-authorships based on objectively gathered data (from various science publication databases)
- Assisted in data cleaning (e.g. identifying duplicate publications, correcting common name problems) and database maintenance
- Created faculty attribute files which included co-authorship counts, rank and tenure status changes
- Developed project training website documenting preparation of co-authorship data for analysis
- Presented findings at conferences
- Assisted in documenting findings for publication

Graduate Assistant
Master of Science – Professional and Technical Communication Program (2009-2010)
Prof: Nancy Coppola

Developed course entitled "Analyzing Social Networks" (PTC 628) offered as part of the MS-PTC program but also available to students in the School of Management and Information Systems.

- Created syllabus
- Selected course materials
- Developed individual and group assignments
- Documented course for presentation to graduate studies council for approval in Spring 2010

OTHER EMPLOYMENT HISTORY

Consulting Technical Writer
Netsoft USA (2006-Present)
- Collaborated with Managing Partners to produce marketing materials (business solution case studies, press releases, web page content)
- Created documentation for proprietary corporate Framework
- Developed client documentation for major health management product
- Provided editing/proofreading services

Long-term Substitute Technology Teacher Grades 6 & 7
Kent Place School (May – June 2010)
- Worked with 7th grade students to create documentaries using iMovie
- Assisted 6th grade students in creating cartoon animations, including plot development and graphic design

Mortgage Compliance Officer
Hanover Capital/Edison Mortgage Decisioning Solutions (2005-2009)
- Analyzed mortgages to identify predatory lending practices
- Reviewed final closing documents to ensure truth in lending

Alumnae Director
Marylawn of the Oranges Academy (2001-2004)
- Wrote and published bi-annual alumnae newsletter and annual fund materials
- Assisted Director of Development in developing marketing materials and grant proposals

Consulting Technical Writer
PED Software/Pointcast, Inc.(1992 – 1995)
- Created all documentation for new, mass-marketed product including copy for product packaging, user's guide and quick start card.
- Developed online help files

Senior Consulting Technical Writer
Digital Equipment Corporation (1985-1990)
- Principal writer for Digital's Portable Software project, Compound Document Architecture project
- Lead writer for DEC PHIGS (3-D programming language)
- Project leader for VMS Run-Time Library documentation
- Project writer for VAX Basic programming language

RESEARCH INTERESTS

- Social networks, social media and the analysis of influence
- Communication and marketing through social media
- Sentiment analysis and social diffusion
- Knowledge management and social learning

TEACHING INTERESTS

- Internet marketing
- Marketing communications
- Communications and social media
- Marketing research
- Social network analysis/consumer behavior

PUBLICATIONS

Peer-reviewed journals

Collins, R., Elliot, N., Klobucar, A., and Deek, F. P. "Web-Based Portfolio Assessment: Validation of an Open Source Platform." *Journal of Interactive Learning Research*. In press.

Collins, R., Deek, A., and Friedman, R. "Open Knowledge Exchange Systems: The Users' Perspective." *International Journal of Technology, Knowledge, and Society 8.3*: 69-80.

Osatuyi, B., Steffen-Fluhr, N., Gruzd, A., and Collins, R. (2010). "An Empirical Investigation of Gender Dynamics and Organizational Change." *International Journal of Knowledge, Culture and Change Management 10.3:* 23-36.

Peer-reviewed conferences

Collins, R., and Deek, F. P. Knowing Together, Learning Apart: A Proposed Framework for Supporting Individual Learning Through Collaborative Knowledge Building Tools. (Research in progress). *Proceedings of International Conference on Information Systems*, Orlando, FL. 2012.

Collins, R., Dwyer, C., Hiltz, S. R., and Shrivastav, H. "Do I Know What You Can See? Social Networking Sites and Privacy Management." *Proceedings of 18th Americas Conference on Information Systems*, Seattle, WA. 2012. **(Paper awarded 3rd place for Best Practitioner-Oriented Paper.)**

Shrivastav, H., Collins, R., and Hiltz, S. R. "Facebook News Feed: Relevance or Noise?" *Proceedings of 18th Americas Conference on Information Systems*, Seattle, WA. 2012.

Steffen-Fluhr, N., Collins, R., Passerini, K., Wu, Y., Gruzd, A., Zhu, M., and Hiltz, S.R. "Leveraging Social Network Data to Support Faculty Mentoring: Best Practices from NJIT ADVANCE." *Proceedings of Women in Engineering Programs and Advocates Network Conference*, Columbus, OH, 2012.

Other professional publications

Journalist User's Guide and *Quick Start Card.* Cupertino: PED Software, 1992.

Guide to Developing Portable Software. Maynard: Digital Equipment Corporation, 1989.

Compound Document Architecture Manual. Maynard: Digital Equipment Corporation, 1988.

DEC Phigs User's Guide. Maynard: Digital Equipment Corporation, 1987.

DECTalk User's Guide and Reference Manual. Maynard: Digital Equipment Corporation, 1986.

PRESENTATIONS

"Knowing Together, Learning Apart: A Proposed Framework for Supporting Individual Learning Through Collaborative Knowledge Building Tools." (Poster) International Conference on Information Systems, December 17-19, 2012.

"Using Social Network Analysis and Research Collaboration Data to Identify Patterns of Faculty Influence." (Poster) 2012 Symposium and Workshop on Measuring Influence on Social Media, Dalhousie University, Halifax, NS, September 28-29, 2012.

"Do I Know What You Can See? Social Networking Sites and Privacy Management." Americas Conference on Information Systems, August 9-11, 2012.

"Facebook News Feed – Relevance or Noise." Americas Conference on Information Systems, August 9-11, 2012.

"Talking Through the Noise: Methodological Issues in Collecting Faculty Network Data." Sunbelt XXXII, March 13-18, 2012.

"More Than The Sum of its Parts: Advancing Women at NJIT Through Collaborative Research Networks." (Poster). National Science Foundation Principal Investigators' Meeting, Washington, D.C., November, 2011.

"A Web-Based Platform for Portfolio Assessment: A Community-Based Application." Council of Writing Program Administrators Conference, Philadelphia, PA, July 15-18, 2010.

"Women in Academia: Examining Women's Positions in Social Networks Based on Faculty Co-Authorship Data." Canadian Conference of Women in Engineering, Science, Trade and Technology, May 14, 2010.

"N is for Network: New Tools for Mapping Organizational Change." Joint Conference of WEPAN & NAMEPA, April 13, 2010.

SERVICE

College of Science and Liberal Arts

As part of my master's thesis, developed a web-based application to support online scoring of student writing portfolios using established rubrics for English Composition I, Technical Communication, and MS-PTC courses. This system was tested and put into use by the

Humanities department in Spring 2010, Fall 2010, and Spring 2011. At each assessment, my responsibilities included:

- Preparing student data (names, student ids, and required number of readings) prior to assessment session
- Monitoring progress of assessment including portfolios still requiring scoring or portfolios requiring adjudication due to discrepant scores
- Exporting completed scores for subsequent analysis

Also participated in portfolio assessment at Massachusetts Institute of Technology to evaluate their system and present our system to their writing program administrators.

College of Computing Sciences

Served as judge for high school student created web sites as part of NJIT Information System's department Web Design Competition

- NJIT Web Design Competition 2012 (Category 1 Judge)
- NJIT Web Design Competition 2011 (Category 2 Judge)

Peer reviewer

- Communications of the Association for Information Systems
- Knowledge Management and E-Learning
- Hawaii International Conference on System Sciences
- Americas Conference on Information Systems
- International Conference on Information Systems
- 2012 Symposium and Workshop on Influence on Social Media
- Transactions on Computer-Human Interaction (ACM)

PROFESSIONAL AFFILIATIONS

International Network for Social Network Analysis
Association for Information Systems

References furnished upon request