

## ***CURRICULUM VITAE***

### **John O'Donovan**

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#### **Education**

National University of Ireland (UCD)	B.Sc (Hons.) Computer Science.	2001
National University of Ireland (UCD)	MS Computer Science	2005
National University of Ireland (UCD)	PhD Computer Science	2008

#### **Area of Specialization**

Artificial Intelligence, Social Computing, Human-Computer Interaction. My research background is in AI, with focus on recommender systems. I have a particular interest in modeling trust in social networks, from the perspectives of data-mining and computational models, and also from the HCI perspective.

#### **Appointments**

2005-2006	Visiting Researcher, Dept. of Computer Science, University of Southern California, Los Angeles
2007-2008	Postdoctoral Researcher, Department of Electric and Computer Engineering, University of California Santa Barbara.
2009-2010	Associate Research Specialist, Department of Computer Science, University of California, Santa Barbara.
2010-2012	Assistant Researcher II, Department of Computer Science, University of California, Santa Barbara.
2012-2013	Assistant Researcher III, Department of Computer Science, University of California, Santa Barbara.
2013-2014	Assistant Researcher IV, Department of Computer Science, University of California, Santa Barbara.
2015-	Lecturer, Department of Computer Science, University of California, Santa Barbara.
2015-	Associate Researcher I, Department of Computer Science, University of California, Santa Barbara.

#### **Professional Organizations**

- Association for Computing Machinery (ACM)
- Institute of Electrical and Electronics Engineers (IEEE)
- Artificial Intelligence Association of Ireland (AIAI)

## **Awards**

- Best Paper Award at IEEE International Conference on Social Computing (SocialCom'13). Washington DC, September 2013: *"Understanding Information Credibility on Twitter"*.
- Best Paper Award at IEEE International Conference on Cognitive Methods in Situational Awareness and Decision Support (CogSIMA'14), San Antonio, Texas. March 2014: *"Decision-making in Abstract Trust Games: A User Interface Perspective"*.
- Most cited conference paper (1993-2016). ACM International Conference on Intelligent User Interfaces: *"Trust in Recommender Systems"*. (<http://dl.acm.org/event.cfm?id=RE306>)
- Irish National Dissertation Award Nominee, 2008. One of 6 national finalists across all science and engineering fields.
- Best paper award nominations: ACM IUI 2005, AAAI FLAIRS 2006, IEEE SocialCom 2011.

## **PART I. TEACHING**

In November 2015 I was appointed as a Lecturer in the CS department, UCSB, in addition to my research appointment. I am now teaching the CS290D course on Network Science at UCSB. Prior to this, I performed various unofficial teaching duties. I regularly present guest lectures and seminars, as detailed in Part II. In Winter quarter of 2015, I co-designed and co-taught graduate course NS202 / CS290D on Network Science with Tobias Hollerer at UCSB. In Fall 2015, I designed and taught the IGERT mini-course on Visualization at UCSB. Previously, I have worked as a teaching assistant to all levels of undergraduate, Higher Diploma and Masters classes in both Computer Science and Engineering at University College Dublin, Ireland. My teaching focus included Networks, Java, Multimedia, AI, Introduction to IT, C Programming, Intro to UNIX and various other courses.

### **PhD Committees**

<b>Student</b>	<b>Year Degree Completed</b>	<b>Chair/Member/ Examiner</b>	<b>Optional Info (e.g., current employment)</b>
James Schaffer	--	Member	CS Dept., UCSB. Expected Graduation 2016
Byungkyu Kang	--	Member	CS Dept., UCSB. Expected Graduation 2016
Ivana Andjelkovic	2016	Member	Media Arts and Technology Program, UCSB. Expected Graduation 2016
Svetlin Bostandjiev	2013	Member	CS Dept., UCSB

### **MS Committees**

<b>Student</b>	<b>Year Degree Completed</b>	<b>Chair/Member/ Examiner</b>	<b>Optional Info (e.g., current employment)</b>
Byungkyu Kang	2013	Member	CS Dept., UCSB

**Visitors Hosted**

<b>Name</b>	<b>Year</b>	<b>Project</b>	<b>Affiliation</b>
Shinsuke Nakajima	2015-2016 (1 year)	Sabbatical Visit to work on Recommender Systems research	Kyoto-sangyo, University Japan (Associate Professor)
Nava Tintarev	Summer 2015 (2 months)	Scottish Govt. Grant to allow for visit to UCSB for research on Recommender Systems with me as named host.	University of Aberdeen, Scotland (Research Fellow)
Laura Marusich	Summer 2015 (1 week)	Short visit to conduct joint study on interactive graph analysis.	Army Research Lab. (Researcher)

**Students Mentored (in addition to the above list)**

<b>Student</b>	<b>Year</b>	<b>Project</b>	<b>Affiliation</b>
Yun Teng	2012-2013	Trust and User Interfaces: Diner's Dilemma; Statistical Evaluation of Graphs in the WiGis framework.	CS, UCSB (MS Student)
Ayme Thompson	2014-2015	Utterance Detection for Attention Analysis in Computer-based Experiments	CS, UCSB (PhD Student)
Nicholas Davis	2015	A Generic Visual Recommendation Engine	CS, UCSB (Undergraduate) (for course credit)
Mudit Uppal	2015	Recommender systems for the Auto Industry.	CS Dept, UCSB (MS Student)
Anastasiya Lazareva	2014	Machine Learning and Visualization of Cognitive Behavior Data	Bren School, UCSB (PhD Student)
Carrie Segal	2014	SideStories: Interactive Illustration for Creative Writing	ECE, UCSB
Greg Meyer	2011-2013	WiGis Graph Visualization and Statistical Analysis	CS, UCSB
Brynjar Gretarsson	2009-2013	Graph Interaction and Manipulation for the Social Web	CS, UCSB.

Gabriel Castanon	2009	Automatic tagging of Retinal Cells based on Collaborative Filtering of Image Tags.	ECE Dept, UCSB
Richard Cai	2009	Image Search in the CORTINA database	ECE Dept., UCSB / UC San Bernardino

## PART II. PROFESSIONAL ACTIVITIES

### Lectures Presented (2010 onwards, prior information available upon request)

	Date	Title	Meeting/Place
1	06/23/2010	Web-based Interactive Graphs for Information Network Analysis.	Talk given at the NS-CTA (Army Research) Ribbon Cutting Ceremony. Hotel Charles, Cambridge, MA.
2	07/29/2010	Trust in Recommendation Systems	ARL Invited Lecture at Computing with Social Trust Workshop. University of Maryland.
3	06/23/2010	Interactive Graphs on the Web.	INARC/ARL UCSB visit. Harold Frank Hall, University of California, Santa Barbara.
4	01/14/2011	Communicating Network Trust Information	INARC/Infonet Seminar, Dept. of Computer Science, University of California, Santa Barbara.
5	01/12/2011	The Role of Trust on the Social Web	AI/ML Group Invited Lecture, University of California, Irvine, CA.
6	01/25/2011	Interfaces for Social Information Filtering	Center for Technology and Society, University of California, Santa Barbara.
7	02/05/2011	Communicating Trust in Online Networks	Invited Talk at Palo Alto Research Center (PARC)
8	02/08/2011	Communicating Trust in Information Networks (Discussion, Models and Applications)	Talk at ARL Site Visit, Department of Computer Science, University of California, Santa Barbara.
9	02/16/2011	<i>SIRAS</i> : An Intelligent User Interface for Special Education Teachers	Industry Presentation, Marin County Schools District, Marin, CA.
10	03/23/2011	Communicating Trust in Information Networks	Network Science CTA, INARC Midterm Review, BB&N building, Cambridge, MA.

11	02/10/11	Technology and Trust	Graduate Gateway Seminar, Center for Technology and Society, UCSB, CA.
12	11/05/2011	Exploring Topic Related Trust in a Network User Interface	NS-CTA Meeting/ Trust CCRI at University of Delaware, DE.
13	05/12/2011	A Scalable Web-based Interactive Graph Tool to Support the Information Discovery Needs of Analysts	KDD/SAIC PADA TEM-2 Team Meeting, SAIC Building, Arlington, VA.
14	07/13/2011	Interactive Interfaces for Communicating Network Trust Information	NS-CTA Meeting, BB&N building, Cambridge, MA.
15	08/12/2011	TopicLens: Analyzing Topic Related Trust in Information Networks.	Army Research Lab, Adelphi, VA. (NS-CTA Meeting)
16	10/23/2011	Imaging, Interaction and Innovative Interfaces: Research At the Four Eyes Lab, UCSB	Invited Industry Talk at Bruker Nano Inc., Goleta California
17	11/20/2011	TopicLens: An Interactive Tool for Analyzing Dynamic Topics in Social Networks	INSCOM/CTA Meeting, Army Research Lab, Adelphi, VA
18	02/17/2012	Mining Topic-Specific Credibility on Twitter	(with Byungkyu Kang) Intl. Conf. on Intelligent User Interfaces, Lisbon, Portugal.
19	02/27/2012	Network-based Behavioral Indicators of Trust	ARL/INARC Presentation to ARL Visitor Lance Kaplan. Dept. of Computer Science, University of California, Santa Barbara.
20	04/04/2012	Interactive Web-application design with RichFaces and Hibernate.	Talk given at Ventura School District, VCOE Information Technology Department. (Hosted by Steve Carr)
21	09/11/2012	Credibility in Context: An Analysis of Feature Distributions in Twitter	Talk given at IEEE Social Computing Conference. Amsterdam, The Netherlands.
22	09/17/2012	TasteWeights: Visual Interactive Recommendation	Talk given at ACM Recommender Systems International conference. Dublin, Ireland,
23	10/23/2012	Analyzing Trust in the Social Web	Seminar talk given at the Media Arts and Technology Department, UCSB. (MAT 595 course)
24	12/14/2012	Statistics for HCI	Guest Lecture for CS graduate course at UCSB.
25	1/12/2013	Recommender Systems and HCI	Guest Lecture for CS graduate course at UCSB.
26	02/20/2013	Scalable Recommendation of Credible Information.	Invited talk at IQ2S workshop at IEEE Pervasive Computing Conference, San Diego, CA, USA

27	02/08/2013	Cognitive Models of Trust	Talk at ARL Site Visit, Department of Computer Science, University of California, Santa Barbara.
28	02/16/2013	Interaction Design for Recommender Systems	Talk given at UCSB's Media Arts and Technology Open Day event.
29	03/23/2013	SIRAS: Intelligent Web-base Form Handling for Individual Education Plans (IEPs)	Talk given at Ventura School District, VCOE SELPA.
30	04/04/2012	Analysis of Information Credibility in Networks	Talk given at NS-CTA annual technical meeting. Newark, DE, USA
31	04/20/2013	SIRAS: Intelligent Web-based Form Handling for Individual Education Plans (IEPs)	Talk given at Marin County School District Review Meeting
32	05/23/2013	Zone integration solutions with SIRAS.	Talk given at Ventura School District, VCOE SELPA.
33	05/15/2013	Experiences with The Peer Review Process	PhD Student Seminar at UCSB Media Arts and Technology. Hosted by Marko Peljhan
34	05/23/2013	LinkedVis: A Visual Interactive Career Recommender System	Demonstration given at UC Santa Barbara's Media Arts and Technology "End of Year Show"
35	07/11/2013	A Model-based Evaluation of Trust and Situation Awareness in the Diner's Dilemma Game.	22nd Conference on Behavior Representation in Modeling and Simulation. (BRiMS). Carlton University, Ottawa, Canada. July 2013. Hosted by Daniel Cassenti
36	12/06/2013	Trust, Recommendations and the User Interface	UC Santa Barbara Dept. of Electric and Computer Engineering, Visual Cafe Seminar Series Talk. Hosted by Pradeep Sen.
37	2/5/2014	Introduction to Recommender Systems	UC Santa Barbara Technology and Management Program, Invited Lecture. Hosted by Jill Feldman
39	2/7/2014	Mining, Modeling and Visualizing Information from the Social Web	Talk given at the University of California Santa Barbara NSF IGERT program orientation meeting. Hosted by Tim Robinson and Ambuj Singh
40	05/27/2014	Competence Modeling in Twitter: Mapping Theory to Practice	Talk given at the International Conference on Social Computing, Stanford University, California.

41	06/12/2014	Scalable Recommendation of Credible Information	Talk given at US Army Research Network Science program (NS-CTA) annual meeting.
42	06/13/2014	Information based Decision Making and Trust in Networks	Talk given at US Army Research Network Science program (NS-CTA) annual meeting, jointly with Sibel Adali and Jennifer Mangels
43	09/13/2014	Dynamics of Human Trust in Recommender Systems.	ACM Recommender Systems Conference, 2014. Poster presentation and video interview. (with Jason Harman)
44	09/13/2014	Interaction and Decision Making for Recommender Systems: Introduction and Wrap-up presentations.	IntRS workshop at ACM Recommender Systems Conference, 2014
45	04/29/2015	General Chair's Introduction to ACM IUI 2016 Conference	Talk at ACM IUI 2015 conference, Atlanta Georgia. With Jeff Nichols
36	05/29/2015	Introduction to social computing and data interaction research at FourEyes lab, UCSB.	Talk and Demos given at UC Santa Barbara Media Arts and Technology Program End of Year Show 2015.
37	05/22/2015	Introduction to Deep Learning	FourEyes Lab Research seminar talk given at MAT department, UCSB.
46	05/23/2015	Network-based Decision Making research at UCSB	Talk given at US Army Research Network Science program (NS-CTA) annual meeting, Delaware VA, jointly with Sibel Adali and Jennifer Mangels
47	08/26/2015	Explanation and Control in Recommender Systems	Yahoo! Labs invited seminar (with Nava Tintarev), Sunnyvale, CA.
48	08/27/2015	HCI and Experimentation: The SassY project	InTouch Health Inc. invited talk, hosted by Jon Southard. Talk primarily given by Nava Tintarev
49	11/04/2015	Interactive Recommender Systems.	Talk given at Spatial Center, brown bag forum. UCSB Dept. of Geography.

**Conferences and Workshops Attended** (2010 Onwards, More available upon request)

<b>Month/Year</b>	<b>Title</b>	<b>Meeting/Place</b>
10/13/2010	The IEEE and ACM International Symposium on Mixed and Augmented Reality (ISMAR 2010)	COEX, Seoul, Korea
02/13/2011	ACM Int'l. Conf. on Intelligent User Interfaces. 2011	Palo Alto, CA
02/14/2012	ACM Int'l. Conf on Intelligent User Interfaces, 2012	Lisbon, Portugal
07/31/2010	ARL Invited Workshop on Trust in the Social Web	University of Maryland, MD
02/13/2012	IBM Workshop on User Modeling in Social Media at IUI 2012	Lisbon, Portugal
02/12/2011	What every IUI researcher should know about human choice and decision-making. (Tutorial/Workshop at IUI 2011 by Anthony Jameson)	Sheraton Hotel, Palo Alto, CA.
09/08/2012	IEEE International Conference on Social Computing (SocialCom 2012)	Amsterdam, The Netherlands
09/13/2012	ACM International Conference on Recommender Systems (RecSys 2012)	Dublin, Ireland
09/14/2012	International workshop on Interfaces for Recommender Systems (InterfaceRS) at ACM International Conference on Recommender Systems (RecSys 2012)	Dublin, Ireland
09/15/2012	Doctoral Symposium at ACM International Conference on Recommender Systems (RecSys 2012)	Dublin, Ireland
02/25/2013	ACM International Conference on Intelligent User Interfaces, 2013	Santa Monica, CA
02/13/2013	IEEE International Conference on Pervasive Computing (PerCom 2012)	San Diego, CA.
02/13/2013	The 5th International Workshop on Information Quality and Quality of Service for Pervasive Computing	San Diego, CA.
03/04/2013	ARL NS-CTA Annual Technical Meeting	Newark, DE
07/12/2013	US Army's Network Science Collaborative Technology Alliance Annual Conference ("Bootcamp")	University of Delaware, DE, USA
10/27/2013	ACM International Conference on Information and Knowledge Management. (CIKM2013). Burlingame, California, USA.	Burlingame, California, USA.



02/25/2014	US Army's Network Science Collaborative Technology Alliance, Annual meeting for sub-program on Information Processing Across Networks.	Adelphi VA. USA
5/27/2014	The 6 <sup>th</sup> ASE International Conference on Social Computing (SocialCom2014)	Stanford University, California, USA
06/13/2014	US Army's Network Science Collaborative Technology Alliance Annual Conference ("Bootcamp")	University of Delaware, DE, USA
9/27/2014	ACM International Conference on Recommender Systems (RecSys '14)	Foster City, California, USA
3/29/2015	20 <sup>th</sup> ACM International Conference on Intelligent User Interfaces (IUI 2015)	Atlanta, GA, USA
6/27/2015-7/1/2015	Rotation visit to US Army Research Laboratory, Adelphi, VA. POC: Dr. Jin-Hee Cho.	Adelphi, VA USA

#### **Grants and Contracts**

<b>Year/Status</b>	<b>Source</b>	<b>Title</b>	<b>Amount (O'Donovan portion)</b>	<b>Role</b>
2011/12 (submitted, awarded)	KDD/IARPA	A scalable web-based interactive graph tool to support the information discovery needs of analysts	n/a	Named Researcher (PI: T. Höllerer)
2011/12 (submitted, awarded)	ARO/ARL	T-2.4: Network-based Behavioral Indicators of Trust Task Proposal for U.S. Army Network Science Collaborative Technology Alliance (NS_CTA)	\$55,000	Co-Primary Researcher (Task Lead: S.Adali, RPI. Co-PRs: M. Magdon-Ismael, RPI, J. Golbeck, U. Maryland )
2012-13 (submitted, awarded)	ARO/ARL	P2: Scalable Recommendation of Credible Information Task Proposal for U.S. Army Network Science Collaborative Technology Alliance (NS_CTA)	\$91,122	Primary Researcher and Task Lead. (Co-PRs: T Abdelzaher UIUC, C Gonzalez, CMU, D. Jones, SA Tech Inc.)
2012-13 (submitted, awarded)	ARO/ARL	T-2.4: Network-based Behavioral Indicators of Trust Task Proposal for U.S. Army Network Science Collaborative Technology Alliance (NS_CTA)	\$62,864	Primary Researcher (Task Lead: S.Adali, RPI. Co-PRs: M. Magdon-Ismael, RPI, J. Golbeck, U. Maryland )
2012-13 (submitted, awarded)	ARO/ARL	T-2.2: Cognitive Models of Trust Task Proposal for U.S. Army Network Science Collaborative Technology Alliance (NS_CTA)	n/a	Named Researcher (PI T.Höllerer, UCSB)

2013-14 (submitted, awarded)	ARL/ARO	P2: Scalable Recommendation of Credible Information Task Proposal for U.S. Army Network Science Collaborative Technology Alliance (NS_CTA)	93,000	PI and ARL Task Lead. (Co-PIs: T Abdelzaher UIUC, C Gonzalez, CMU, D. Jones, SA Tech Inc.)
2013-14 (submitted, awarded)	ARO/ARL	T1: Network-based Behavioral Indicators of Trust. U.S. Army Network Science Collaborative Technology Alliance (NS_CTA)	\$62,000	PI (Task Lead: S.Adali, RPI. with M. Magdon-Ismael, RPI, J. Golbeck, U. Maryland)
2014-2016 (submitted,awarded)	ARO/ARL	Cognition and Trust in Composite Networks	n/a	PI (Task Lead: T. Hollerer UCSB, with C Gonzalez, CMU, and S. Lin, IBM.)
2014-2016 (submitted, awarded)	ARO/ARL	T1: Information based Decision Making and Trust in Networks.  U.S. Army Network Science Collaborative Technology Alliance (NS_CTA)	\$210,834	PI (Task Lead: S.Adali, RPI. with J Mangels, CUNY, J-H. Cho. ARL, )

#### **Reviewing and Refereeing Activity**

<b><u>Month/Year</u></b>	<b><u>Activity</u></b>	<b><u>Specific Role</u></b>
09/2010	International Journal of Human Computer Studies, (IJHCS) 2010	<b>Reviewer</b>
10/2010	International Conference on Social Informatics (SocInfo2010)	<b>Reviewer</b>
10/2010	ACM CHI, 28th International Conference on Computers and Human Interaction	<b>Reviewer</b>
08/2011	7th International Conf. on Autonomic and Autonomous Systems. (ICAS 2011)	<b>Reviewer</b>
10/2011	ACM International Conference on Intelligent User Interfaces. (IUI 2012) Demonstrations	<b>Reviewer</b>
10/2011	ACM Transactions on the Web. 2011	<b>Reviewer</b>
01/2012	30th ACM CHI International Conference on Computers and Human Interaction (Works in Progress Track.)	<b>Reviewer</b>
02/2012	IEEE SocialCom 2012 Washington, DC, USA, December 14-16 2012.	<b>Reviewer</b>
04/2012	6th International Conf. on Autonomic and Autonomous Systems. (ICAS 2012)	<b>Reviewer</b>

05/2012	WTSON2012 Workshop on Trust in Social Networks, held in conjunction with ASONAM 2012, Istanbul Turkey, 26-29 August, 2012,	<b>Reviewer</b>
09/01/2012	International Journal of Social Network Analysis and Mining (SNAM). Springer Journals.	<b>Reviewer</b>
	The ACM Transactions on Interactive Intelligent Systems (ACM TiiS)	<b>Reviewer</b>
09/04/2012	International Journal on Human Computer Studies (IJHCS). Elsevier.	<b>Reviewer</b>
09/05/2012	ACM International Conference on Recommender Systems, Doctoral Consortium	<b>Reviewer</b>
09/18/2012	The Tenth International Conference on Autonomic and Autonomous Systems (ICAS 2013)	<b>Reviewer</b>
10/21/2012	Posters and Demos Track. ACM International Conference on Intelligent User Interfaces. (IUI 2013)	<b>Reviewer</b>
10/22/2012	ACM International Conference on Intelligent User Interfaces.	<b>Reviewer</b>
10/29/2012	Workshop on User Behavioral Modeling and Mining from Social Media at CIKM 2012	<b>Reviewer</b>
11/26/2012	ACM Journal of Transactions on the Web (TotW)	<b>Reviewer</b>
09/01/2013	ACM International Conference on Human Computer Interaction (CHI 2014), Seoul, Korea.	<b>Reviewer</b>
09/01/2013	ACM International Conference on Intelligent User Interfaces (IUI 2014), Haifa, Israel.	<b>Reviewer</b>
09/05/2013	ACM International Conference on Recommender Systems (RecSys 2014), Foster City, California, USA.	<b>Reviewer</b>
10/21/2013	International Workshop on Data Driven User Modeling and Mining from Social Media at ACM Conference on Information and Knowledge Management (CIKM) 2013.	<b>Reviewer</b>
06/04/2014	International Journal on Human Computer Studies (IJHCS). Elsevier.	<b>Reviewer</b>
06/04/2014	National Science Foundation, Information Integration and Informatics Program	<b>Grant Review Panel (External, Unpaid)</b>
06/10/2014	Fonds National de la Recherche Luxembourg. CORE Multi-Annual Thematic Research Programme	<b>Grant Review Panel (External, Paid)</b>
06/10/2015	Fonds National de la Recherche Luxembourg. CORE Multi-Annual Thematic Research Programme	<b>Grant Review Panel (External, Paid)</b>
03/29/2015	ACM International Conference on Intelligent User	<b>Reviewer</b>

	Interfaces (IUI2015), Atlanta, Georgia, USA.	
08/04/2015	25 <sup>th</sup> ACM World Wide Web Conference 2016 (WWW2016). (Behavioral Analysis and Personalization track.)	<b>Reviewer</b>
08/18/2015	2015 International Conference on Social Computing, August 18-19, 2015 Stanford University, CA, USA (SocialCom'15)	<b>Reviewer</b>
09/01/2015	ACM Journal on Transactions on Intelligent Interactive Systems (ACM TiiS). Special Issue on Human Interaction with Artificial Advice Givers	<b>Reviewer</b>
09/16/2015	International Workshop on Interfaces and Decision Making for Recommender Systems (IntRS'15) @ RecSys 2015.	<b>Reviewer</b>
09/20/2015	7 <sup>th</sup> ACM International Conference on Recommender Systems (RecSys 2014)	<b>Reviewer</b>
11/08/2015	ACM International Conference on Knowledge Discovery and Dissemination (KDD 2016) Research Track.	<b>Reviewer</b>
11/16/2015	International Workshop on Personalization & Recommender Systems in Financial Services (FinRec'16)	<b>Reviewer</b>
01/18/2016	The 29th International FLAIRS Conference In cooperation with the American Association for Artificial Intelligence. Special track on Recommender Systems. Key Largo, Florida, USA. May 16 - 18, 2016	<b>Reviewer</b>

### **Special Appointments**

<b>Month/Year</b>	<b>Notes</b>	<b>Type of Contribution</b>
01/10/2010	International Conference on Social Informatics (SocInfo2010)	<b>Program Committee Member</b>
10/10/2012	International Workshop on Data-driven User Behavioral Modeling and Mining from Social Media (UMSocial2013) at the ACM International Conference on Information and Knowledge Management (CIKM2013), Burlingame, CA, USA.	<b>Co-Chair</b>
10/10/2012	3 <sup>rd</sup> Workshop on Data-driven User Behavioral Modeling and Mining from Social Media (DUBMOD 2014), at ACM International Conference on Information and Knowledge Management (CIKM2014), Shanghai, China	<b>Co-Chair</b>
02/25/2013	3rd IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA 2013). San Diego, Feb 2013.	<b>Session Chair</b>
10/27/2013	International Workshop on Data Driven User Modeling and Mining from Social Media (DUBMOD'13) at ACM International Conference on Information and Knowledge Management (CIKM 2013), Burlingame, CA,	<b>Organizer and Program Chair</b>

	USA.	
02/24/2014	ACM International Conference on Intelligent User Interfaces (IUI2014), Haifa, Israel.	<b>Regular Program Committee</b>
04/10/2014	7 <sup>th</sup> ACM International Conference on Recommender Systems (RecSys 2014)	<b>Regular Program Committee</b>
04/29/2014	International Workshop on Interfaces and Decision Making for Recommender Systems (IntRS'14) @ RecSys 2014. (Listed by date of workshop acceptance)	<b>Organizer and Program Chair</b>
	7th International Workshop on Modeling Social Media. At the ACM World Wide Web Conference 2016 (WWW2016)	<b>Program Committee</b>
06/27/2013	International Workshop on Interfaces and Decision Making for Recommender Systems (IntRS'15) @ RecSys 2015	<b>Organizer and Program Chair</b>
11/24/2014	International Workshop on Personalization & Recommender Systems in Financial Services (FinRec'15)	<b>Program Committee</b>
03/29/2015	ACM International Conference on Intelligent User Interfaces (IUI2015), Atlanta, Georgia, USA.	<b>Regular Program Committee</b>
08/04/2015	25 <sup>th</sup> ACM World Wide Web Conference 2016 (WWW2016). (Behavioral Analysis and Personalization track.)	<b>Program Committee</b>
08/18/2015	2015 International Conference on Social Computing, August 18-19, 2015 Stanford University, CA, USA (SocialCom'15)	<b>Program Committee</b>
09/01/2015	ACM Journal on Transactions on Intelligent Interactive Systems (ACM TiiS). Special Issue on Human Interaction with Artificial Advice Givers	<b>Associate Editor</b>
09/16/2015	International Workshop on Interfaces and Decision Making for Recommender Systems (IntRS'15) @ RecSys 2015.	<b>Organizer and Program Chair</b>
09/20/2015	7 <sup>th</sup> ACM International Conference on Recommender Systems (RecSys 2014)	<b>Regular Program Committee</b>
11/08/2015	ACM International Conference on Knowledge Discovery and Dissemination (KDD 2016) Research Track.	<b>Program Committee</b>
11/16/2015	International Workshop on Personalization & Recommender Systems in Financial Services (FinRec'16)	<b>Program Committee</b>
01/17/2016	7th International Workshop on Modeling Social Media - Behavioral Analytics in Social Media, Big Data and the Web (MSM 2016) - co-located with WWW 2016	<b>Program Committee</b>
01/18/2016	The 29th International FLAIRS Conference In cooperation with the American Association for Artificial Intelligence. Special track on Recommender Systems. Key Largo, Florida, USA. May 16 - 18, 2016	<b>Program Committee</b>

03/9/2016	21 <sup>st</sup> ACM International Conference on Intelligent User Interfaces (IUI2016), Atlanta, Georgia, USA.	<b>General Co-Chair</b>
01/27/2016	24 <sup>th</sup> ACM Conference on User Modeling, Adaptation and Personalization 13-17 July 2016 - Halifax, Canada	<b>Program Committee</b>

### Other professional contributions

Month/Year	Type of Contribution	Notes
08/1/2012-ongoing	<b>Co-Founder and CTO</b>	Siras Systems Inc. ( <a href="http://www.sirassystems.com">www.sirassystems.com</a> ). Designed, implemented and deployed a novel software platform to devise personalized educational plans for special needs students. The system is in daily use by thousands of special education administrators, teachers, and students across multiple school districts in the California area (currently actively serving 7 districts including Kern, Ventura, Monterey, Bakersfield and Riverside). Software focus is on state reporting and intelligent generation of personalized education plans for special ed. students at all K12 levels.
08/1/2012-ongoing	<b>Graph visualization software release maintenance</b>	Ongoing maintenance and updates of WiGis open source graph visualization software framework. Available at <a href="https://code.google.com/p/wigis/">https://code.google.com/p/wigis/</a>
08/1/2012-06/30/2014	<b>Systems Administration and Procurement</b>	Managed computing infrastructure and upgrades for FourEyes lab. Duties included account procuring, configuring and maintaining rack servers and provisioning services such as, SVN, SQL and others for approximately 30 people.
08/1/2012-06/30/2014	<b>Website Design, Implementation and Management</b>	Designed, implemented and managed public website platform for FourEyes lab UCSB. Currently available at <a href="http://ilab.cs.ucsb.edu">http://ilab.cs.ucsb.edu</a>

## PART III. RESEARCH

### Cumulative List of Publications. (Also available for download at <http://cs.ucsb.edu/~jod/publications.html>)

All publications were accepted through a standard review/refereeing process unless otherwise stated in category column.  
All conference and workshop publications were orally presented unless otherwise stated in category column.

#	YEAR	TITLE and AUTHOR(s)	PUBLISHER	CATEGORY
1	2001	PerfectMatch: An online dating service on WAP-enabled mobile devices.	<i>Project Thesis</i> , National University of Ireland (UCD), May 2001.	Thesis

2	2003	A Comparison of Collaborative Recommendation Algorithms over Diverse Data Types. With John Dunnion	<i>Proc. 14th National Conference on Artificial Intelligence and Cognitive Science (AICS)</i> , Trinity College, Dublin. 2003.	Conference
3	2004	Evaluating Information Filtering Techniques in an Adaptive Recommender System. With John Dunnion	<i>Proceedings of the 3<sup>rd</sup> International Conference on Adaptive Hypermedia and Adaptive Web-Based Systems (AH 2004)</i> . Eindhoven, The Netherlands, pp. 312-315.	Conference
4	2004	Meta-Learning for Recommender System Design. With John Dunnion	<i>Proceedings of the Special Irish Language Track. 14th National Conference on Artificial Intelligence and Cognitive Science (AICS)</i> , Castlebar, Co. Mayo, Ireland. 2004.	Conference
5	2004	A Framework for the Evaluation of Collaborative Recommendation Algorithms in an Adaptive Recommender System. With John Dunnion	<i>5th International Conference on Computational Linguistics and Intelligent Text Processing, , CICLing 2004</i> , Seoul, Korea, February 15-21, 2004.	Conference
6	2004	Adaptive Recommendation: Putting the Best Foot Forward. With John Dunnion	<i>Proceedings of the International Symposium on Information and Communication Technologies</i> , Las Vegas, Nevada, USA, June 16-18, 2004	Conference
7	2005	AdRec: An Adaptive Recommender System (Advised by John Dunnion)	<i>MS Thesis</i> . National University of Ireland (University College Dublin), May 2005.	Thesis
8	2005	Trust in Recommender Systems. With Barry Smyth	<i>Proceedings of the 2005 International Conference on Intelligent User Interfaces</i> , January 10-13, 2005, San Diego, California, USA. <b>(ACM IUI Most Cited Paper in the conference history, 640+ citations)</b>	Conference
9	2005	Eliciting Trust Values from Recommendation Errors. With Barry Smyth	<i>Proceedings of the Eighteenth International Florida Artificial Intelligence Research Society Conference</i> , Clearwater Beach, Florida, USA. AAAI Press 2005. Pp. 289-294 <b>(nominated for best paper)</b>	Conference

10	2005	Trust No One: Evaluating Trust-based Filtering for Recommender Systems. With Barry Smyth	<i>Proceedings of the Nineteenth International Joint Conference on Artificial Intelligence (IJCAI-05)</i> , Edinburgh, Scotland, UK, July 30 <sup>th</sup> -August 5 <sup>th</sup> 2005. Pp.1663-1665	Conference
11	2006	Is Trust Robust? An Analysis of Trust-based Recommenders. With Barry Smyth	<i>Proceedings of the 2006 International Conference on Intelligent User Interfaces</i> , January 29 - February 1, 2006, Pp. 101-108 Sydney, Australia. ACM 2006	Conference
12	2006	Mining Trust Values from Recommendation Errors. With Barry Smyth	<i>International Journal on Artificial Intelligence Tools</i> 15(6): 945-962 (2006)	Journal
13	2007	Extracting and Visualizing Trust Relationships from Online Auction Feedback Comments.	<i>Proceedings of the Twentieth International Joint Conference on Artificial Intelligence (IJCAI-05)</i> , Hyderabad, India.	Conference
14	2007	Personalizing Trust in Online Auctions. With Vesile Evrim, Barry Smyth, Paddy Nixon, and Dennis McLeod.	<i>Proceedings of the Third Starting AI Researchers' Symposium</i> , Riva del Garda, Trentino, Italy, 2006. Pp 72-83	Conference
15	2008	Trust in the Social Web (Phd Thesis, Advised by Barry Smyth,	<i>PhD Thesis</i> . National University of Ireland (University College Dublin), Apr 2008. <b>Nominated for Irish National PhD Dissertation Award in Science and Engineering 2008(1 of 6 in the Nation)</b>	Thesis
16	2009	Capturing Trust in the Social Web	<i>In Computing with Social Trust 2009: Pp. 213-257. Springer. Jennifer Golbeck, Ed.</i>	Book Chapter
17	2008	<i>PeerChooser</i> : A Visual Interactive Recommender System. With Brynjar Gretarsson, Svetlin Bostandjiev, Barry Smyth and Tobias Höllerer	<i>Mary Czerwinski, Arnold M. Lund, Desney S. Tan (Eds.): Proceedings of the 2008 Conference on Human Factors in Computing Systems, CHI 2008, 2008, Florence, Italy, April 5-10, 2008. ACM 2008</i>	Conference



18	2008	<i>Bisque</i> : Bio-Image Semantic Query User Environment. With Kristian Kvilekval, Dmitry Federov, Boguslaw Obara, Ambuj Singh and B.S. Manjunath.	<i>UCSB Workshop on Bio-Image Informatics. (Poster Presentation) May 2008.</i>	Workshop
19	2009	<i>WiGis</i> : Web-Based Interactive Graph Interfaces. –A Scalable Approach. With Brynjar Gretarsson, Svetlin Bostandjiev and Tobias Höllerer	<i>17th International Symposium on Graph Drawing September 22–25, 2009 - Chicago</i>	Conference
20	2009	A Visual Interface for Social Information Filtering. With Brynjar Gretarsson, Svetlin Bostandjiev, Barry Smyth and Tobias Höllerer	<i>In proceedings of the The 2009 IEEE International Conference on Social Computing (SocialCom 2009) Vancouver, Canada. August 2009. Pp. 74-81 (Best Paper Nominee)</i>	Conference
21	2010	Interactive Manipulation of Large Graphs. With P. Trethewey, B. Gretarsson and T. Höllerer.	<i>Technical Report. Department of Computer Science, University of California, Santa Barbara, June 2010.</i>	Tech. Rept.
22	2010	<i>SmallWorlds</i> : Visualizing Social Recommendations. With Brynjar Gretarsson, Svetlin Bostandjiev and Tobias Höllerer	<i>Computer Graphics Forum Volume 29(3) pp. 833-842 (2010)</i>	Journal
23	2011	WiGipedia: A Tool for Improving Structured Data in Wikipedia. With Brynjar Gretarsson, Svetlin Bostandjiev and Tobias Höllerer	<i>Workshop on Visual Interfaces for the Social and Semantic Web., Palo Alto, CA, USA, at ACM IUI Conference, February, 2011.</i>	Workshop
24	2011	WiGiPedia: Visual Editing of Semantic Data in Wikipedia. With S.Bostandjiev, C. Hall and T. Höllerer	<i>Proceedings of the 5th IEEE International Conference on Semantic Computing (ICSC 2011), Palo Alto, CA, USA, September 18-21, 2011. IEEE 2011, pp. 328-335.</i>	Conference
25	2011	<i>SIGMA</i> : A Statistical Interface for Graph Manipulation and Analysis. With G. Meyer and T. Höllerer	<i>In Proceedings of the UCSB Graduate Student Workshop on Computing. University of California, Santa Barbara. October 7<sup>th</sup> 2011.</i>	Student-Organized Workshop, Paper and Poster

26	2011	A Framework for Modeling Trust in Collaborative Ontologies. With B. Kang and T. Höllerer	<i>In Proceedings of the UCSB Graduate Student Workshop on Computing</i> . University of California, Santa Barbara. October 7 <sup>th</sup> 2011.	Student-Organized Workshop, Paper and Poster
27	2012	<i>TopicNets</i> : Visual Analysis of Large Text Corpora with Topic Modeling. With B. Gretarsson, A. Asuncion, D. Newman, S. Bostandjiev, P. Smyth and T. Höllerer	<i>ACM Transactions on Intelligent Systems and Technology (TIST)</i> . Volume 3 Issue 2, February 2012 <i>ACM New York, NY, USA</i>	Journal
28	2012	Modeling Topic-Specific Credibility on Twitter. With B Kang and T. Höllerer	<i>Proceedings of the 2012 International Conference on Intelligent User Interfaces</i> , February 14-17, 2012, Lisbon, Portugal.	Conference
29	2013	A Model-based Evaluation of Trust and Situation Awareness in the Diner's Dilemma Game. J. O'Donovan Y. Teng R. Jones L. Marusich C. Gonzalez T. Höllerer	22nd Conference on Behavior Representation in Modeling and Simulation. (BRiMS). San Antonio, TX. July 2013.	Conference
30	2013	Interactive Interfaces for Network Analysis: An Information Credibility Perspective. J. Schaffer B. Kang H. Liu T. Höllerer J. O'Donovan	In Proceedings of the 5th International Workshop on Information Quality and Quality of Service for Pervasive Computing. At PerCom 2013, San Diego, March 2013	Workshop
31	2013	LinkedVis: Exploring Social and Semantic Career Recommendations. With S. Bostandjiev and T. Höllerer	In Proceedings of the International Conference on Intelligent User Interfaces (IUI 2013), Santa Monica, LA, March 2013 S. Bostandjiev J. O'Donovan T. Höllerer	Conference
32	2013	Trust and Situation Awareness in a 3-Player Diner's Dilemma Game Y. Teng R. Jones L. Marusich J. O'Donovan C. Gonzalez T. Höllerer	In proceedings of the 3rd IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA 2013). San Diego, Feb 2013.	Conference

33	2012	An Analysis of Topical Proximity in the Twitter Social Graph. M. Schall J. O'Donovan B. Smyth	In proceedings of the 4th International Conference on Social Informatics, SocInfo 2012, Lausanne, Switzerland. Sept 2012.	Conference
34	2012	DUBMMSM'12: international workshop on data-driven user behavioral modeling and mining from social media J. Mahmud J. Nichols M. Zhou J. Caverlee J. O'Donovan	In Proceedings of the ACM International Conference on Information and Knowledge Management, CIKM, pp. 2752-2753, ACM, October 2012.	Conference
35	2012	TopicLens: An Interactive Recommender System based on Topical and Social Connections. * was listed as "in preparation" for the previous merit case L. Devendorf J. O'Donovan T. Höllerer	In proceedings of the Interface RS workshop at the 6th ACM Conference on Recommender Systems, RecSys 2012, Dublin, Ireland.	Workshop
36	2012	TasteWeights: A Visual Interactive Hybrid Recommender System. * was listed as "in preparation" for the previous merit case S. Bostandjiev J. O'Donovan T. Höllerer	In proceedings at the 6th Conference on ACM Recommender Systems, RecSys 2012, Dublin, Ireland.	Conference
37	2012	Inspectability and Control in Social Recommenders. B. Knijnenburg S. Bostandjiev J. O'Donovan A. Kobsa	In proceedings at the 6th Conference on ACM Recommender Systems, RecSys 2012, Dublin, Ireland.	Conference
38	2012	Credibility in Context: An Analysis of Feature Distributions in Twitter. J. O'Donovan B. Kang G. Meyer T. Höllerer S. Adali	In proceedings at the 2012 ASE/IEEE International Conference on Social Computing, SocialCom, Amsterdam, The Netherlands.	Conference

39	2014	Finding True and Credible Information in Twitter, with Sujoy Sikdar, Sibel Adali, Tarek Abdelzaher Kevin Chan and Jin-Hee Cho.	<i>IEEE International Conference on Information Fusion</i> , Salamanca, Spain. May 2014	Conference
40	2014	Trust and Consequences: A Visual Perspective. E. Onal J. O'Donovan L. Marusich M. S. Yu J. Schaffer C. Gonzalez T. Höllerer	16 <sup>th</sup> International Conference on Human-Computer Interaction (HCI'14), June 22-27, 2014, (Springer/LNCS). Crete, Greece.	Conference
41	2014	Truth, Lies, and Data: Credibility Representation in Data Analysis. J. Schaffer T. Abdelzaher D. Jones C. Gonzalez T. Höllerer J. Harman J. O'Donovan	IEEE International Inter-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA), March 3-6, 2014, San Antonio, TX, USA.)	Conference
42	2014	Decision-making in Abstract Trust Games: A User Interface Perspective E. Onal, J. Schaffer, J. O'Donovan, L. Marusich, C. Gonzalez, T. Höllerer	In proceedings of the 4th IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA 2014). San Antonio, Texas, Mar 2014.	Conference <b>(*best paper award)</b>
43	2014	Competence Modeling in Twitter: Mapping Theory to Practice J. O'Donovan B. Kang	International Conference on Social Computing (SocialCom 2014). Palo Alto, California., USA. May 27th-29th 2014	Conference
44	2013	Cutting Through the Noise: Defining Ground Truth in Information Credibility on Twitter S Sikdar, B. Kang, T. Höllerer, J O'Donovan, S. Adali	ASE HUMAN Journal, 1(3), pp. 151-167. Aug 9 <sup>th</sup> 2013	Journal
45	2013	Understanding Information Credibility on Twitter S Sikdar, B. Kang, T. Höllerer, J O'Donovan, S. Adali	IEEE International Conference on Social Computing (SocialCom 2013). Washington D.C., USA. September 8th-14th 2013	Conference / <b>(*best paper award)</b>

46	2013	UMSocial'13: international workshop on data-driven user behavioral modeling and mining from social media J. Mahmud, J. Nichols, M. Zhou, J. Caverlee, J. O'Donovan	In Proceedings of the ACM International Conference on Information and Knowledge Management, CIKM'13, Burlingame, CA, USA	Conference
47	2014	IntRS'14: Workshop on Interfaces and Decision Making for Recommender Systems. N.Tintarev, J O'Donovan, P. Brusilovsky, P. Lops, G. Semarario, A. Felfernig	In Proceedings of the ACM International Conference on Recommender Systems, Foster City, CA, October 2014	Conference
48	2014	Dynamics of Human Trust in Recommender Systems J. Harman, J. O'Donovan, T. Abdelzaher, C. Gonzalez	ACM Conference on Recommender Systems (RecSys'14). Foster City, California, USA. October 2014	Conference
49	2014	DUBMOD'14: international workshop on data-driven user behavioral modeling and mining from social media J. Mahmud, J. Nichols, M. Zhou, J. Caverlee, J. O'Donovan	In Proceedings of the ACM International Conference on Information and Knowledge Management, CIKM'14, pp. 2752-2753, ACM, October 2014. Shanghai, China.	Conference
50	2015	Believe it or Not? Analyzing Information Credibility in Microblogs (with Byungkyu Kang and Tobias Höllerer)	In Proceedings of the IEEE/ACM Conference on Analysis of	Conference
51	2015	LinkScope: Interactive Graph Analysis of Unstructured Text	In Proceedings of the Interactive Visual Text Analytics Workshop at ACM Intelligent User Interfaces Conference, Atlanta, Georgia, USA. April 2015	Conference
52	2015	Inspection Mechanisms for Community-based Content Discovery in Microblogs	IntRS'15 Joint Workshop on Interfaces and Human Decision Making for Recommender Systems ( <a href="http://recex.ist.tugraz.at/intrs2015/">http://recex.ist.tugraz.at/intrs2015/</a> ) at ACM Recommender Systems 2015. Vienna, Austria. September 2015	Conference

53	2015	The Full Story: Automatic detection of unique news content in Microblogs	In Proceedings of the International Symposium on Foundations and Applications of Big Data Analytics at IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2015), Paris, France, August 2015	Conference
54	2015	Getting the Message? A Study of Explanation Interfaces for Microblog Data Analysis, with J. Schaffer, G. Prasanna T. Abdelzaher, D. Jones, T. Höllerer, J. O'Donovan	International Conference on Intelligent User Interfaces (IUI 2015), Atlanta, GA.	Conference
55	2016	Effects of Information Availability on Command and Control Decision-Making: Performance, Trust, and Situation Awareness (with Laura R. Marusich, Jonathan Z. Bakdash, Emrah Onal, Michael S. Yu, James Schaffer, Tobias Höllerer, Norbou Buchler, and Cleotilde Gonzalez)	Human Factors: The Journal of the Human Factors and Ergonomics Society	Journal
56	2016	A Dictionary-based Approach to Automatic Feature Rating in Reviews of Cosmetic Products. (with Yuuki Matsunami, Mayumi Ueda, Shinsuke Nakajima, Takeru Hashikami, Sunao Iwasaki and Byungkyu Kang)	The International MultiConference of Engineers and Computer Scientists 2016 (IMECS2016). Hong Kong, March 2016	Conference

#### **Work In Press, In Preparation and Under Review**

57	2016	SideStories: An Interactive Image Recommender System for Creative Writing (with Carrie Segal)	Technical Report	Tech Report
58	2016	MoodPlay: A Study of Interaction and Control for Mood-Based Recommender Systems, with Ivana Andjelkovic and Denis Parra	In preparation for ACM User Modeling and Personalization Conference	Conference (in Preparation)
59	2016	HopTopics: Community-based Content Discovery in Microblogs	Submitted to ACM Design for Interactive Systems, 2016	Conference (Under Review)
60	2016	Social Visualization. Chapter co-authored with Julita Vassileva	In Social Information Access, edited by Peter Brusilovsky. Springer-Verlag	Book Chapter (Invited, In Preparation)

61	2016	Interactive Latent Spaces for Music Recommendation (with Ivana Andjelkovic and Denis Parra)		Journal (In Preparation)
62	2016	Evaluating Personal Metadata and Credibility Perception in Social Media Streams	Conditionally Accepted to ACM Transactions on Intelligent Interactive Systems (ACM TiiS) Special Issue on Big Personal Data.	Journal (Conditionally Accepted, Jan' 16)
63	2016	Decision-making through User Interfaces (with Laura R. Marusich, Michael S. Yu, Cleotilde Gonzalez, James Schaffer, Tobias Höllerer)	International Journal of Human Computer Studies (IJHCS), Elsevier (Submitted Jan 2016)	Journal (Under Review)
64	2016	Through The Grapevine: A Comparison of News in Microblogs and Traditional Media (with Byungkyu Kang, Haleigh Wright, Tobias Hollerer, Ambuj K. Singh)	Springer Lecture Notes in Social Networking (LNSN) (Submitted Jan 2016)	Journal (Under Review)