Patrick C. Shih — Curriculum Vitae

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Department of Informatics
Indiana University Bloomington
Bloomington, IN 47408-3912

RESEARCH INTERESTS

My research focuses on the study of sociotechnical systems and mechanisms to enhance physical and mental wellbeing and to facilitate civic engagement and environmental stewardship. I utilize mixed methods approaches to tackle research problems in online and geographic communities. Specifically, my current research focuses on leveraging the awareness of individual and community activities embedded in sensor technologies, smart devices, social media, and online forums in the design, prototyping, and deployment of novel personal health informatics interfaces and civic engagement platforms.

EDUCATION

University of California, Irvine
Ph.D. Information and Computer Science — 2006 – 2011
Dissertation Committee: Gary M. Olson, David F. Redmiles, and Gina Venolia

Carnegie Mellon University
M.S. Information Networking — 2003 – 2005
Thesis Committee: Priya Narasimhan and Rajeev Gandhi

University of California, Los Angeles
B.S. Computer Science and Engineering (cum laude) — 2000 – 2003
Research Advisors: Lixia Zhang and Milos Ercegovac

HONORS AND AWARDS

European Exhibition of Creativity and Innovation Conference (Euroinvent) Silver Medal Award [BC.2]	2017
ACM CHI Special Recognitions for Exceptional Reviews	2017
IU Office of Mentoring Services & Leadership Development Award	2017
IU Project and Research Symposium "Most Potential for Social Good" Award [INFO I527 & CSCI P535]	2017
IU Project and Research Symposium "People's Choice" Award [INFO I527 & CSCI P535]	2017
Andrew W. Mellon Foundation Faculty Fellowship	2016 – 2017
ACM CSCW Special Recognitions for Exceptional Reviews	2016
Consortium for the Science of Sociotechnical Systems (CSST) Fellowship	2016
ACM CHI Best Paper Honorable Mention Award (top 5%) [C.15]	2015
iConference Best Paper Award Nomination (top 3%) [C.14]	2015
1000 Pitches Summit finalist in "Mobile Apps" category (top 9 out of 1083) [IST 413]	2014
ACM CHI Best Paper Honorable Mention Award (top 5%) [C.8]	2014
DoED Graduate Assistance in Areas of National Need (GAANN) Fellowship	2008 – 2010
UC Irvine Chancellor's Fellowship	2006 – 2010
IBM Service Science, Management and Engineering (SSME) Certificate	2007
CMU Best Teaching Assistant Award Nomination	2004 – 2005
CMU Information Networking Institute Scholarship	2003 – 2005
Golden Key International Honour Society	2003
UCLA Paul Sandager Alumni Scholarship	2002
UCLA University Scholarship	2002
Eta Kappa Nu International Electrical and Computer Engineering Honor Society	2001
Tau Beta Pi National Engineering Honor Society	2001
UCLA Dean's Honor List	2001
Stanford National Invitational Congress Debate Finalist	1999
US FIRST Robotic Team Award	1998

EXPERIENCE

Indiana University Bloomington
Assistant Professor, Department of Informatics — Since 2016
Part-time Assistant Professor, Computer Science Department, DePauw University
Director, Societal Computing Lab (SOCO) — Since 2015
Affiliated Faculty, Department of Information and Library Science
Affiliated Faculty, Center for the Integrative Study of Animal Behavior (CISAB)
Affiliated Faculty, Indiana University Network Science Institute (IUNI)
Affiliated Faculty, Institute for Digital Arts and Humanities (IDAH)
Affiliated Faculty, Center of Excellence for Women in Technology (CEWiT)
Affiliated Faculty, Institute for Software Research (ISR), University of California, Irvine
Fellow, Center for Computer-Mediated Communication (CCMC)
Fellow, Minority Serving Institution Faculty Research Development Institute (MSI)
Fellow, National Center for Faculty Development & Diversity (NCFDD)
Fellow, Consortium for the Science of Sociotechnical Systems (CSST) — Summer 2016
Assistant Professor, Department of Information and Library Science — 2015 – 2016

The Pennsylvania State University
Research Associate and Lecturer (Graduate Faculty), College of Information Sciences and Technology — 2012 – 2015
Affiliated Faculty, Center for Human-Computer Interaction
Supervisor: John M. Carroll

University of California, Irvine
Graduate Researcher, Hana Lab / Behavior Lab — 2009 – 2011
Graduate Researcher, Collaboration Research in Action, Design, and Learning Lab — 2006 – 2008
Advisors: Gary M. Olson and David F. Redmiles

Microsoft Research
Research Intern, Visualization and Interaction for Business and Entertainment (VIBE) Group,
Redmond, WA — Summer 2010
Supervisor: Gina Venolia

IBM Research
Research Intern, User Systems and Experience Research (USER) Group,
Almaden Research Center, San Jose, CA — Summer-Fall 2008
Supervisor: Tessa Lau
Extreme Blue Intern, Component Systems Group,
Thomas J. Watson Research Center, Hawthorne, NY — Summer 2007
Supervisor: Paul P. Maglio
Research Developer, User Systems and Experience Research (USER) Group,
Almaden Research Center, San Jose, CA — 2006
Supervisor: John J. Barton
WBI Tools Developer & Performance Analyst,
Websphere Business Integration Performance and Development Division, Austin, TX — Summer-Fall 2005
Extreme Blue Intern, User Systems and Experience Research (USER) Group,
Almaden Research Center, San Jose, CA — Spring 2005
Supervisor: John J. Barton
Software Developer Intern—Test Tool Development, Printing Systems Division, Boulder, CO — Summer 2004

Carnegie Mellon University
Graduate Researcher, Proactively Reconfigurable, Adaptive, Reliable Middleware Lab — 2003 – 2005
Advisors: Priya Narasimhan and Rajeev Gandhi

University of California, Los Angeles
Undergraduate Researcher, Internet Research Lab — 2002 – 2003
Undergraduate Researcher, Digital Arithmetic and Reconfigurable Architecture Laboratory — 2001 – 2002
Advisors: Lixia Zhang and Milos D. Ercegovac
Lab Consultant and Technical Support, UCLA Engineering SEASnet Computing Facility — 2001 – 2003

MSC.Software
Mainframe Systems Intern, High Performance Computing Division, Santa Ana, CA — Summer 2002

FUNDING

External Grants

[EG.11] Templeton World Charity Foundation. 2018-2019. Teaching in wild New Caledonian Crows. PI: Natalie Uomini; Co-PI: **Patrick C. Shih**. $41,000.
[EG.10] Andrew W. Mellon Foundation Faculty Fellowship 2016-2017. *Understanding cross-cultural differences of crowd work in U.S., Taiwan, and China*. PI: **Patrick C. Shih**. $20,000.
[EG.9] U.S. National Park Service. 2015-2016. *Population monitoring, seasonal activity, and landscape movements of little brown myotis (Myotis lucifugus) in Yellowstone National Park*. PI: John Treanor; Co-PIs: Joe Johnson, Jessica Kropczynski, & **Patrick C. Shih**. $60,000.
[EG.8] Yellowstone Park Foundation. 2015–2016. *Bat ecology and movements in Yellowstone National Park*. PI: John Treanor; Co-PIs: Joe Johnson, Jessica Kropczynski, & **Patrick C. Shih**. $50,000.
[EG.7] Bloomberg Financial Products UX Research Awards. 2015-2016. *End-user configurable tools for integrating discussions of trending financial news*. PI: John M. Carroll; Co-PI: **Patrick C. Shih**. $135,000.
[EG.6] Next Century Corporation Technology Innovation Grant. 2014-2015. PI: **Patrick C. Shih**. $2,000.
[EG.5] National Science Foundation. 2012-2016. *HCC: Small: Socio-technical Issues in Mobile Time Banking*. PI: John M. Carroll; Key Personnel: **Patrick C. Shih**. $529,553.
[EG.4] National Science Foundation. 2009-2013. *VOSS: Designing Effective Virtual Organizations*. PI: John M. Carroll; Key Personnel: **Patrick C. Shih**. $397,913.
[EG.3] National Science Foundation. 2010-2013. *VOSS: Next Steps in Articulating Success Factors for Distributed Collaborations*. PI: Gary M. Olson; Co-PI: Judith Olson; Key Personnel: **Patrick C. Shih**. $399,336.
[EG.2] National Science Foundation. 2009-2012. *VOSS: Enabling Trust in Virtual Teams for Increased Innovation and Effectiveness*. PI: David F. Redmiles; Key Personnel: **Patrick C. Shih**. $399,829.
[EG.1] National Science Foundation. 2005-2009. *Unifying Formal and Informal Collaboration through Continuous Coordination*. PI: David F. Redmiles; Co-PI: Adriaan van der Hoek; Key Personnel: **Patrick C. Shih**. $681,402.

Internal Grants

[IG.10] Indiana University Collaborative Research Grants. 2018-2019. A Randomized Control Trial to Assess the Efficacy of a Gamified Mobile Application Intervention to Increase Physical Activity and Reduce Anxiety in Adults with Autism Spectrum Diagnoses (ASD). PI: **Patrick C. Shih**. Co-PIs: Georgia Frey and Scott Bellini. $74,971.
[IG.9] IUB New-Frontiers New Currents Funding Award. 2017-2018. Stories of War: A Symposium on Conflict and Civic Engagement. PI: **Patrick C. Shih**. $19,768.
[IG.8] IUB Groups STEM Summer Research Experience Program. 2017. *Perception of Smart Dog Technologies in Domestic Settings*. PI: **Patrick C. Shih**. $2,000.
[IG.7] IUB Collaborative Research and Creative Activity Funding Award. 2017-2018. *Just Like Me": Stories from All Sides of the Vietnam War*. PI: **Patrick C. Shih**. $20,000.
[IG.6] IUB Groups STEM Summer Research Experience Program. 2016. *Impact of initial trust on video-mediated social support*. PI: **Patrick C. Shih**. $1,000.
[IG.5] Penn State Center for Online Innovation in Learning Research Initiation Grant. 2015-2016. *Occupy MOOCs: Understanding and designing for actual student motivations and activities in MOOCs*. PI: John M. Carroll; Co-PIs: Mary Beth Rosson and **Patrick C. Shih**. $49,082.
[IG.4] Penn State Schreyer Institute for Teaching Excellence Teaching Project Grant. 2014-2015. *Supporting Technology Augmented Rhetoric (STAR)*. PI: **Patrick C. Shih**; Co-PI: Jessica Kropczynski. $5,000.
[IG.3] Penn State Summer Undergraduate Research Fellowship. 2014). *Using Smartphones as sensing infrastructure at large festivals*. PI: **Patrick C. Shih**. $1,000.
[IG.2] Penn State Center for Online Innovation in Learning Research Initiation Grant. 2013-2014. *Supporting Dialectical Learning with Piazza*. PI: John M. Carroll; Co-PI: **Patrick C. Shih**. $42,000.
[IG.1] Penn State Summer Undergraduate Research Fellowship. 2013. *Supporting dialectical learning with Piazza*. PI: **Patrick C. Shih**. $1,000.

PUBLICATIONS

Google Scholar:
https://scholar.google.com/citations?hl=en&user=Lzw8EnkAAAAJ&pagesize=100&view_op=list_works
ResearchGate: https://www.researchgate.net/profile/Patrick_Shih

Journal Papers

[J.13] Shengnan Yang, Pei-Ying Chen, **Patrick C. Shih**, Jeffrey Bardzell, and Shaowen Bardzell. 2017. Cross-Strait Frenemies: Chinese Netizens VPN in to Facebook Taiwan. *Proceedings of the ACM on Human-Computer Interaction* 1, CSCW, Article 115 (Nov. 2017), 22 pages. (27% acceptance rate).

[J.12] John M. Carroll, **Patrick C. Shih**, Kyungsik Han, and Jessica Kropczynski. 2017. Coordinating community cooperation: Integrating timebanks and nonprofit volunteering by design. *International Journal of Design* 11, 1 (Apr. 2017), 51-63. ISSN: 1991-3761.

[J.11] Jonathan K. Nelson and **Patrick C. Shih**. 2017. CompanionViz: Mediated platform for gauging canine health and enhancing human-pet interactions. *International Journal of Human-Computer Studies* 98 (Feb. 2017), 169-178. http://dx.doi.org/10.1016/j.ijhcs.2016.04.002

[J.10] Chase McCoy and **Patrick C. Shih**. 2016. Teachers as producers of data analytics: A case study of a teacher-focused educational data science program. *Journal of Learning Analytics* 3, 3 (Dec. 2016), 193-214. http://dx.doi.org/10.18608/jla.2016.33.10

[J.9] Kyungsik Han, **Patrick C. Shih**, Mary Beth Rosson, and John M. Carroll. 2016. Understanding local community attachment, engagement and social supported networks mediated by mobile technology. *Interacting with Computers* 28, 3 (May 2016), 220-237. http://dx.doi.org/10.1093/iwc/iwu040

[J.8] John M. Carroll, Yu Wu, **Patrick C. Shih**, and Saijing Zheng. 2016. Re-appropriating a Question/Answer system to support dialectical constructivist learning activity. *Educational Technology Research and Development* 64, 1 (Feb. 2016), 137-156. http://dx.doi.org/10.1007/s11423-015-9405-6

[J.7] Jing Wang, **Patrick C. Shih**, Yu Wu, and John M. Carroll. 2015. Comparative case studies of open source software peer review processes. *Information and Software Technology* 67 (Nov. 2015), 1-12. http://dx.doi.org/10.1016/j.infsof.2015.06.002

[J.6] **Shih., P. C.**, Kyungsik Han, and John M. Carroll. 2015. Using social multimedia content to inform emergency planning and management of recurring and cyclical events in local communities. *Journal of Homeland Security and Emergency Management* 12, 3 (Sep. 2015), 627-652. http://dx.doi.org/10.1515/jhsem-2014-0071

[J.5] Jing Wang, **Patrick C. Shih**, and John M. Carroll. 2015. Life after weight loss: Design implications for community-based long-term weight management. *Computer Supported Cooperative Work* 24, 4 (Aug. 2015), 353-384. http://dx.doi.org/10.1007/s10606-015-9226-5

[J.4] John M. Carroll, **Patrick C. Shih**, and Jessica Kropczynski. 2015. Community informatics as innovation in sociotechnical infrastructures. *Journal of Community Informatics* 11, 2 (Jun. 2015), 17 pages. ISSN: 1712-4441.

[J.3] Kyungsik Han, **Patrick C. Shih**, Victoria Bellotti, and John M. Carroll. 2015. It's time there was an app for that too: A usability study of mobile timebanking. *International Journal of Mobile Human-Computer Interaction* 7, 2 (Jun. 2015), 1-22. http://dx.doi.org/10.4018/ijmhci.2015040101

[J.2] Jing Wang, **Patrick C. Shih**, and John M. Carroll. 2015. Revisiting Linus's Law: Benefits and challenges of open source software peer review. *International Journal of Human-Computer Studies* 77 (May 2015), 52-65. http://dx.doi.org/10.1016/j.ijhcs.2015.01.005

[J.1] Kyungsik Han, **Patrick C. Shih**, and John M. Carroll. 2014. Local News Chatter: Augmenting community news by aggregating hyperlocal microblog content in a tag cloud. *International Journal of Human-Computer Interaction* 30, 12 (Sep. 2014), 1003-1014. http://dx.doi.org/10.1080/10447318.2014.925773

Book Chapters

[BC.4] **Patrick C. Shih**. 2018. Beyond Human-in-the-Loop: Empowering End-users with Transparent Machine Learning. In *Human and Machine Learning: Visible, Explainable, Trustworthy, and Transparent*, Jianlong Zhou and Fang Chen (Eds.). Springer, 37-54.

[BC.3] John M. Carroll, **Patrick C. Shih**, Jessica Kropczynski, Guoray Cai, G., Mary Beth Rosson, and Kyungsik Han. 2017. The Internet of places at community-scale: Design scenarios for hyperlocal neighborhood. In *Enriching Urban Spaces with Ambient Computing, the Internet of Things, and Smart City Design*, Shin'ichi Konomi and George Roussos (Eds.). IGI Global, 1-24.

[BC.2] Joslenne Pena, **Patrick C. Shih**, and Mary Beth Rosson. 2016. Instructors as end-user developers: Technology usage opportunities in the inverted classroom. In *Handbook of Applied Learning Theory and Design in Modern Education*, Elena Railean, Gabriela Walker, Atilla Elçi, and Liz Jackson (Eds.). IGI Glocal, 560-571. **[European Exhibition of Creativity and Innovation Conference (Euroinvent) Diploma and Silver Medal Award]**

[BC.1] John M. Carroll, **Patrick C. Shih**, Blane Hoffman, Jing Wang, and Kyungsik Han. 2014. Presence and hyperpresence: Implications for community awareness. In *Interacting with Presence: HCI and the Sense of Presence in Computer-Mediated Environments*, Giuseppe Riva, John Waterworth, and Dianne Murray (Eds.). De Gruyter Open, 70-82.

Proceedings

[CP.1] Starr Roxanne Hiltz, Mark S. Pfaff, Linda Plotnick, and **Patrick C. Shih** (Eds.). *ISCRAM 2014 Conference Proceedings Book of Papers – 11th International Conference on Information Systems for Crisis Response and Management*. The Pennsylvania State University, State College, PA. ISBN 978-0-692-21194-6.

Conference Papers

[C.28] Gege Gao and **Patrick C. Shih**. 2018. Does Platform Matter? A Game Design Analysis of Female Engagement in MOBA Games. In *Proceedings of the Digital Games Research Association Conference (DiGRA '18)*. DiGRA Digital Library. (50% acceptance rate)

[C.27] Anna N. Baglione, Maxine M. Girard, Meagan Price, James Clawson, and **Patrick C. Shih**. 2018. Modern Bereavement: A Model for Complicated Grief in the Digital Age. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '18)*. ACM Press. (26% acceptance rate).

[C.26] Juan F. Maestre, Haley MacLeod, Ciabhan L. Connelly, Julia C. Dunbar, Jordan Beck, Katie Siek, and **Patrick C. Shih**. 2018. Defining Through Expansion: Conducting Asynchronous Remote Communities (ARC) Research with Stigmatized Groups. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '18)*. ACM Press. (26% acceptance rate).

[C.25] Hong Qiao and **Patrick C. Shih**. 2018. Use of Social Media for Academic Purpose in China. In *Proceedings of the International Symposium of Chinese CHI* (ChineseCHI '18). ACM Press. (52% acceptance rate).

[C.24] Aehong Min, Daehyoung Lee, and **Patrick C. Shih**. 2018. Potentials of Smart Breathalyzer: Interventions for Excessive Drinking Among College Students. In *Proceedings of the iConference (iConf '18)*, Lecture Notes in Computer Science (LNCS 10766). Springer, 195-206. (30% acceptance rate).

[C.23] Juan Fernando Maestre and **Patrick C. Shih**. 2017. Impact of Initial Trust on Video-Mediated Social Support. In *Proceedings of the Australian Conference on Computer-Human Interaction (OZCHI '17)*. ACM Press, 328-336. (47% acceptance rate).

[C.22] Gege Gao, Aehong Min, and **Patrick C. Shih**. 2017. Gendered Design Bias: Gender Differences of In-Game Character Choice and Playing Style in League of Legends. In *Proceedings of the Australian Conference on Computer-Human Interaction (OZCHI '17)*. ACM Press, 307-317. (47% acceptance rate).

[C.21] Jeremiah Parry-Hill, **Patrick C. Shih**, Jennifer Mankoff, and Daniel Ashbrook. 2017. Understanding Volunteer AT Fabricators: Opportunities and Challenges in DIY-AT for Others in e-NABLE. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '17)*. ACM Press, 6184-6194. (25% acceptance rate).

[C.20] Xianghua Ding, **Patrick C. Shih**, and Ning Gu. 2017. Socially embedded work: A study of wheelchair users performing online work in China. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW '17)*. ACM Press, 642-654. (35% acceptance rate).

[C.19] Jin Y. Jang, Kyungsik Han, Dongwon Lee, Haiyan Jia, and **Patrick C. Shih**. 2016. Teens engage more with fewer photos: Temporal and comparative analysis on behaviors in Instagram. In *Proceedings of the ACM Conference on Hypertext and Social Media (HT '16)*. ACM Press, 71-81. (30% acceptance rate).

[C.18] Joslenne Pena, **Patrick C. Shih**, and Mary Beth Rosson. 2016. Scenario-based design of technology to support teaching in inverted classes. In *Proceedings of the iConference (iConf '16)*. iSchools, 1-10. (30% acceptance rate).

[C.17] **Patrick C. Shih**, Kyungsik Han, and John M. Carroll. 2015. Engaging community members with digitally curated social media content at an arts festival: A case study about leveraging crowd-sourcing for community heritage curation. In *Proceedings of the Digital Heritage International Congress (DH '15)*. IEEE Press, 321-324. (57% acceptance rate).

[C.16] Jin Y. Jang, Kyungsik Han, **Patrick C. Shih**, and Dongwon Lee. 2015. Generation Like: Comparative characteristics in Instagram. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '15)*. ACM Press, 4039-4042. (23% acceptance rate).

[C.15] **Patrick C. Shih**, Victoria Bellotti, Kyungsik Han, and John M. Carroll. 2015. Unequal time for unequal value: Implications of differing motivations for participation in timebanking. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '15)*. ACM Press, 1075-1084. (23% acceptance rate). **[Best Paper Honorable Mention Award (top 5%)]**

[C.14] **Patrick C. Shih**, Kyungsik Han, Erika S. Poole, Mary Beth Rosson, and John M. Carroll. 2015. Use and adoption challenges of wearable activity trackers. In *Proceedings of the iConference (iConf '15)*. iSchools, 1-12. (36% acceptance rate). **[Best Paper Award Nomination (top 3%)]**

[C.13] Saijing Zheng, Mary Beth Rosson, **Patrick C. Shih**, and John M. Carroll. 2015. Understanding student motivation, behaviors and perceptions in MOOCs. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW '15)*. ACM Press, 1882-1895. (28% acceptance rate).

[C.12] **Patrick C. Shih**, Kyungsik Han, and John M. Carroll. 2014. Community Poll: Externalizing public sentiments in social media in a local community context. In *Proceedings of the AAAI Conference on Human Computation & Crowdsourcing (HCOMP '14)*. AAAI Press, 201-209. (32% acceptance rate).

[C.11] Yu Wu, **Patrick C. Shih**, and John M. Carroll. 2014. Design for supporting dialectical constructivist learning activities. In *Proceedings of the International Conference on Education and New Learning Technologies (EDULEARN '14)*. IATED, 4156-4164.

[C.10] Kyle Williams, Lichi Li, Madian Khabsa, Jian Wu, **Patrick C. Shih**, and C. Lee Giles. 2014. A web service for scholarly big data information extraction. In *Proceedings of the IEEE International Conference on Web Services (ICWS '14)*. IEEE Press, 105-112. (20% acceptance rate).

[C.9] **Patrick C. Shih**, Kyungsik Han, and John M. Carroll. 2014. Community Incident Chatter: Informing local incidents by aggregating local news and social media content. In *Proceedings of the International Conference on Information Systems for Crisis Response and Management (ISCRAM '14)*. ISCRAM Association, 772-776. (56% acceptance rate).

[C.8] Victoria Bellotti, Sara Cambridge, Karen Hoy, **Patrick C. Shih**, Lisa R. Handalian, Kyungsik Han, and John M. Carroll. 2014. Towards community-centered support for peer-to-peer service exchange: Rethinking the timebanking metaphor. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '14)*. ACM Press, 2975-2984. (23% acceptance rate). **[Best Paper Honorable Mention Award (top 5%)]**

[C.7] Kyungsik Han, **Patrick C. Shih**, Mary Beth Rosson, and John M. Carroll. 2014. Enhancing community awareness and participation to local heritage with a mobile application. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW '14)*. ACM Press, 1144-1155. (27% acceptance rate).

[C.6] Jana Schumann, **Patrick C. Shih**, David F. Redmiles, and Graham Horton. 2012. Supporting initial trust in distributed idea generation and idea evaluation. In *Proceedings of the ACM Conference on Supporting Group Work (GROUP '12)*. ACM Press, 199-208. (37% acceptance rate).

[C.5] Benjamin Koehne*, **Patrick C. Shih***, and Judith S. Olson. 2012. Remote and alone: Coping with being the remote member on the team. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW '12)*. ACM Press, 1257-1266. (40% acceptance rate). **[* These authors contributed equally to this work and are listed in alphabetical order]**

[C.4] Norman M. Su and **Patrick C. Shih**. 2011. Virtual spectating: Hearing beyond the video arcade. In *Proceedings of the British Computer Society Conference on Human-Computer Interaction (BCS-HCI '11)*. ACM Press, 269-278. (29% acceptance rate).

[C.3] **Patrick C. Shih**, Gina Venolia, and Gary M. Olson. 2011. Brainstorming Under Constraints: Why Software Developers Brainstorm in Groups. In *Proceedings of the British Computer Society Conference on Human-Computer Interaction Interaction (BCS-HCI '11)*. ACM Press, 74-83. (29% acceptance rate).

[C.2] Leslie S. Liu, **Patrick C. Shih**, and Gillian R. Hayes. 2011. Barriers to the adoption and use of personal health record systems. In *Proceedings of the iConference (iConf '11)*. ACM Press, 363-370.(32% acceptance rate).

[C.1] **Patrick C. Shih**, David H. Nguyen, Sen H. Hirano, David F. Redmiles, and Gillian R. Hayes. 2009. GroupMind: Supporting brainstorming through a collaborative mind-mapping tool. In *Proceedings of the ACM Conference on Supporting Group Work Work (GROUP '09)*. ACM Press, 139-148. (36% acceptance rate).

Extended Abstracts and Work-in-Progress Papers with Proceedings (Peer-Reviewed)

[E.5] Saloni J. D. Vaghela and **Patrick C. Shih**. 2018. WalkSafe: College Campus Safety App. In Proceedings of the International Conference on Information Systems for Crisis Response and Management (ISCRAM '18). ISCRAM Association.

[E.4] Saijing Zheng, Mary Beth Rosson, **Patrick C. Shih**, and John M. Carroll. 2015. Designing MOOCs as interactive places for collaborative learning. In *Proceedings of the ACM Conference on Learning @ Scale (L@S '15)*. ACM Press, 343-346. (80% acceptance rate).

[E.3] Yu Wu, Jessica Kropczynski, **Patrick C. Shih**, and John M. Carroll. 2014. Exploring the ecosystem of software developers on Github and other platforms. In *Proceedings of the Companion Publication of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW Companion '14)*. ACM Press, 265-268.

[E.2] Kyungsik Han, **Patrick C. Shih**, and John M. Carroll. 2013. Aggregating community information to explore social connections. In *Proceedings of the AAAI Conference on Weblogs and Social Media: When the City Meets the Citizen Workshop (ICWSM '13)*. AAAI Press, 5-8.

[E.1] Bill Tomlinson, Joel Ross, Paul Andre, Eric P. S. Baumer, Donald J. Patterson, Joseph Corneli, Martin Mahaux, Syavash Nobarany, Marco Lazzari, Birgit Penzenstadler, Andrew W. Torrance, David J. Callele, Gary M. Olson, M. Six Silberman, Marcus Stünder, Fabio R. Palamedi, Albert A. Salah, Eric Morrill, Xavier Franch, Florian F. Mueller, Joseph Kaye, Rebecca W. Black, Marisa L. Cohn, **Patrick C. Shih**, Johanna Brewer, Nitesh Goyal, Pirjo Näkki, Jeff Huang, Nilufar Baghaei, and Craig Saper. 2012. Massively distributed authorship of academic papers. In *Proceedings of the Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI EA '12)*. ACM Press, 11-20. (45% acceptance rate)

Workshop, Posters, and Demos without Proceedings (Lightly Peer-Reviewed)

[W.13] Tom Ongwere, Gabrielle Cantor, **Patrick C. Shih**, James Clawson, and Kay Connelly. 2018. Designing for Patients with Type-2 Diabetes and Discordant Chronic Comorbidities using ICDMI Model Guidelines. *Consumer Health Informatics in the Midwest (CHIM '18)*.

[W.12] Aehong Min, Daehyoung Lee, Gege Gao, Anurag Jain, Pratik Jain, Stella Jeong, and **Patrick C. Shih**. 2018. Potentials of Smart Breathalyzer: Interventions for Excessive Drinking Among College Students. *Consumer Health Informatics in the Midwest (CHIM '18)*.

[W.11] Juan Fernando Maestre and **Patrick C. Shih**. 2018. Conducting Research with the Stigmatized. *Consumer Health Informatics in the Midwest (CHIM '18)*.

[W.10] Tom Ongwere, Gabrielle Cantor, Sergio Ramirez Martin, **Patrick C. Shih**, James Clawson, and Kay Connelly. 2017. Too Many Conditions, Too Little Time: Designing Technological Intervention for Patients with Type-2 Diabetes and Discordant Chronic Comorbidities. *Workshop on Interactive Systems in Health Care (WISH '17)*.

[W.9] Aehong Min and **Patrick C. Shih**. 2017. Exploring New Design Factors for Electronic Interventions to Prevent College Students from Excessive Drinking by Using Personal Breathalyzers. *Workshop on Interactive Systems in Health Care (WISH '17)*.

[W.8] Anna N. Baglione, Maxine M. Girard, Meagan Price, James Clawson, and **Patrick C. Shih**. 2017. Mobile Technologies for Grief Support: Prototyping an Application to Support the Bereaved. *Workshop on Interactive Systems in Health Care (WISH '17)*.

[W.7] Julia C. Dunbar, Ciabhan L. Connelly, Juan F. Maestre, Haley MacLeod, Katie Siek, and **Patrick C. Shih**. 2017. Considerations for Using the Asynchronous Remote Communities (ARC) Method in Health Informatics Research. *Workshop on Interactive Systems in Health Care (WISH '17)*.

[W.6] Lee Hiler, Brook Foulk, Christena Nippert-Eng, and **Patrick C. Shih**. 2017. Detecting Biological Samples Using Olfactory Sensors. Poster presented at the *Animal Behavior Conference*.

[W.5] Kyungsik Han, Kristin Cook, and **Patrick C. Shih**. 2016. Exploring effective decision making through human-centered and computational intelligence methods. Poster presented at the *ACM Conference on Human Factors in Computing: Workshop on Human Centered Machine Learning (CHI '16)*.

[W.4] **Patrick C. Shih** and Christena Nippert-Eng 2016, May). From Quantified Self to Quantified Other: Engaging the public on promoting animal well-being. *ACM Conference on Human Factors in Computing: Workshop on HCI Goes to the Zoo (CHI '16)*.

[W.3] Sarah-Alice Hanna, Jessica Kropczynski, **Shih., P. C.**, and John M. Carroll. 2015. Using a mobile application to encourage community interactions at a local event. Poster presented at the *ACM Richard Tapia Celebration of Diversity in Computing Conference (TAPIA '15)*.

[W.2] Kyungsik Han, **Patrick C. Shih**, Victoria Bellotti, and John M. Carroll. 2014. Timebanking with a smartphone application. Poster and demo presented at the *Collective Intelligence Conference (CI '14)*.

[W.1] **Patrick C. Shih** and Gary M. Olson. 2009. Using visualization to support idea generation in context. *ACM Conference on Creativity and Cognition Conference: Workshop on Creativity and Cognition in Engineering Design (C&C '09)*.

Patents

[PT.1] Kean G. Kuiper, Frank E. Levine, Enio M. Pineda, and **Patrick C. Shih**. 2010. Call stack sampling for a multi-processor system. *U.S. Patent and Trademark Office*, U.S. Patent No. 20100017583.

Dissertation and Thesis

[D.2] **Patrick C. Shih**. 2011. *Brainstorming beyond the laboratory: Idea generation practices in software development firms*. University of California, Irvine. ProQuest/UMI No. 3490146.

[D.1] **Patrick C. Shih**. 2005. *Fault-tolerance for distributed publish-subscribe systems*. Carnegie Mellon University. OCLC No. 320526509.

Panels

[P.1] Christena Nippert-Eng and **Patrick C. Shih**. 2018. Animals and Technology Around the World, Past and Present. *Annual Meeting of the Society for Social Studies of Science (4S)*.

Invited Presentations

[IP.14] "Combining personal data analytics and community-based interventions to support physical and mental wellbeing." School of Computing and Information Systems, University of Melbourne. March 20, 2018.
[IP.13] "Combining personal data analytics and community-based interventions to support physical and mental wellbeing." School of Information Technology and Electrical Engineering, University of Queensland. March 14, 2018.
[IP.12] "From Quantified Self to Quantified Other." Department of Computer Science, The University of Texas Rio Grande Valley. October 27, 2017.
[IP.11] "From Quantified Self to Quantified Other." Law, Science and Technology Seminar Series, TC Beirne School of Law and School of Information Technology and Electrical Engineering, University of Queensland. June 5, 2017.
[IP.10] "Toward Personalized Machine Learning: Fine-tuning Personalized Activity and Behavioral Data with End-User Interactive Visualization." Pacific Northwest National Laboratory. June 23, 2016.
[IP.9] "Temporal and Comparative Analysis of Teen and Adult Behaviors on Instagram." Intelligent & Interactive Systems Talk Series, Indiana University Bloomington. April 27, 2016.
[IP.8] "Supporting Civic Activities with Machine and Human Computation." School of Computing, Clemson University. February 13, 2015.
[IP.7] "Supporting Civic Activities with Machine and Human Computation." Department of Information and Library Science, Indiana University Bloomington. February 4, 2015.
[IP.6] "Supporting Civic Activities with Machine and Human Computation." Department of Information Systems, University of Maryland, Baltimore County. January 17, 2015.
[IP.5] "Supporting Civic Activities with Machine and Human Computation." Department of Computer Science, University of Bath. January 5, 2015.
[IP.4] "Supporting Civic Activities with Machine and Human Computation." Institute of Information Systems and Applications, National Tsing Hua University. December 17, 2014.
[IP.3] "Supporting Civic Activities with Machine and Human Computation." School of Computing, University of Leeds. December 15, 2014.
[IP.2] "Usability and Bad Design." Human factors and Ergonomics Society, The Pennsylvania State University. February 10, 2014.
[IP.1] "Technology in Use: Notes from the Field." Teaching Community Seminar, The Pennsylvania State University. February 27, 2013.

Media Coverage and Interviews

[MC.19] "How to Make Sure Your Activity Tracker Isn't a Waste of Money." PolicyGenius. January 12, 2018.
[MC.18] "Two IGI Global Titles Receive Awards." IGI Global News. June 8, 2017.
[MC.17] "[인천 실향민 70 명 임진각 방문] '고향땅 저 앞인데… 왜 갈 수 없나.' " Gyeongin Daily, Gyeonggi-do, South Korea. May 26, 2017.
[MC.16] "Smartphone Apps Help Geographical Communities – and Pets." Center for Computer-Mediated Communication. November 11, 2016.
[MC.15] "Faculty, students at IU Bloomington receive grants for international research, teaching." IU Newsroom. February 3, 2016.
[MC.14] "Patrick Shih receives Mellon Innovating International Research, Teaching and Collaboration Fellowship." SICE News. January 22, 2016.
[MC.13] "ILS Welcomes Three New Faculty." SICE News. July 30, 2015.
[MC.12] "Instagram określi twoją dojrzałość?" NextWeb Media, Warsaw, Poland. July 14, 2015.
[MC.11] "New version of Arts Festival app enables users to create own experiences." Penn State News. July 6, 2015.
[MC.10] "Why & How Teens, Adults Use Instagram." Linkdex. June 23, 2015.
[MC.9] "Instagram user demographic study reveals how adult and teens use photo-sharing app." iDigitalTimes. June 3, 2015.
[MC.8] "Yes, teens and adults use Instagram differently." ThirdParent. June 3, 2015.
[MC.7] "IST researchers examine how teens, adults use Instagram." Penn State News. May 28, 2015.
[MC.6] "Carroll awarded $279K grant to develop community engagement app." Penn State News. October 29, 2014.
[MC.5] "Penn State's Center for Human-Computer Interaction building an innovative community, one interaction at a time." iConnect Magazine. September 24, 2014.
[MC.4] "Arts Fest goes digital with new app." Onward State. July 9, 2014.
[MC.3] "Get the 'insider experience' with Central Pennsylvania Festival of the Arts app." Penn State News. July 7, 2014.
[MC.2] "Time is of the essence for new banking system developed at IST." Penn State News. June 25, 2014.
[MC.1] "IST researchers aim to increase community engagement through local news app." Penn State News. November 1, 2013.

TEACHING AND CURRICULUM DEVELOPMENT

Indiana University Bloomington

Instructor

UNIV 184R	Bridge to Informatics (DePauw University) Course Rating (1-7): 5.64 Instructor Rating (1-7): 5.29	Class Size: 17	Spring 2018
INFO I527 CSCI P535	Mobile and Pervasive Design (Cross-listed with CSCI P535) Pervasive Computing (Cross-listed with I527) Course Rating (1-4): 3.5 Instructor Rating (1-4): 3.7 **[IU Project and Research Symposium "Most Potential for Social Good" Award]** **[IU Project and Research Symposium "People's Choice"]**	Class Size: 23 Class Size: 23	Fall 2017 Fall 2017
UNIV 184G	Bridge to Informatics (DePauw University) Course Rating (1-7): 6.55 Instructor Rating (1-7): 5.00	Class Size: 13	Spring 2017
ILS Z516	Human-Computer Interaction Course Rating (1-4): 2.4 Instructor Rating (1-4): 2.8	Class Size: 23	Fall 2016
ILS Z604	Social Computing and Computer-Supported Cooperative Work Course Rating (1-4): 3.0 Instructor Rating (1-4): 3.0	Class Size: 6	Spring 2016
ILS Z516	Human-Computer Interaction (Co-Instructor: Younei Soe) Course Rating (1-4): 2.9 Instructor Rating (1-4): 2.8	Class Size: 25	Fall 2015

Guest Lecturer

INFO I407/I507	Introduction to Health Informatics, Instructor: Kay Connelly	Fall 2016, Fall 2016, Fall 2017
ILS Z586	Digital Curation, Instructor: Devan Donaldson	Fall 2016
ILS Z516	Human-Computer Interaction, Instructor: Younei Soe	Spring 2016
UNIV 184D	Bridge to Informatics (DePauw University), Instructor: Katie Siek	Spring 2016
ILS Z701	Introduction to Doctoral Research in Information Science, Instructors: Howard Rosenbaum and Pnina Fichman	Fall 2015

The Pennsylvania State University

Instructor

IST 413	Usability Engineering Course Rating (1-7): 5.59 Instructor Rating (1-7): 5.71 **[1000 Pitches Summit finalist in "Mobile Apps" category (top 9 out of 1083)]**	Class Size: 39	Fall 2014
IST 413	Usability Engineering Course Rating (1-7): 5.24 Instructor Rating (1-7): 5.76	Class Size: 39	Spring 2014
IST 413	Usability Engineering Course Rating (1-7): 5.36 Instructor Rating (1-7): 5.64	Class Size: 42	Spring 2013

Guest Lecturer

IST 473	Digital Design and Innovation, Instructor: Lisa (Lee) B. Erickson	Spring 2015
IST 331	Organization and Design of Information Systems: User and System Principles, Instructor: Frank E. Ritter	Spring 2012
IST 522	IST 522 Models, Theories and Frameworks of HCI, Instructor: John M. Carroll	Spring 2012
IST 521	IST 521 Human Computer Interaction: The User and Technology, Instructor: Mary Beth Rosson	Spring 2012

University of California, Irvine

Teaching Assistant

ICS 52	Introduction to Software Engineering, Instructor: Ban Al-Ani TA Rating (1-9): 8.50	Winter 2008
ICS 139W	Communications Skills for Computer Scientists, Instructor: Venita De Souza TA Rating (1-9): 8.09	Fall 2007

Project Mentor

INF 190	Ubicomp Projects, Instructor: Gillian R. Hayes	Winter 2008

Guest Lecturer

INF 131	Human Computer Interaction, Instructor: Yang Wang	Summer 2009

Carnegie Mellon University

Teaching Assistant

18-342	18-342 Fundamentals of Embedded Systems, Instructors: Priya Narasimhan & Rajeev Gandhi TA Rating (1-9): 8.22 **[Best Teaching Assistant Award Nomination]**	Fall 2004
18-845	18-845 Internet Services, Instructor: David O'Hallaron TA Rating (1-9): 8.77	Spring 2004

PROFESSIONAL AND ACADEMIC SERVICES

Conference/Symposium Chair

Stories of War: A Symposium on Conflict and Civic Engagement	2018

Program Chair

Information Systems for Crisis Response and Management (ISCRAM)	2014

Journal Editorial Review Board

International Journal of Information Systems for Crisis Response and Management (IJISCRAM)	Since 2016

Conference Program Committee

Human Factors in Computing Systems (CHI)	2016, 2018
Computer Supported Cooperative Work & Social Computing (CSCW)	2015, 2018
Supporting Group Work (GROUP)	2018
Human-Computer Interaction with Mobile Devices and Services (MobileHCI)	2018
Pervasive Computing Technologies for Healthcare (PervasiveHealth)	2018
Web Science (WebSci)	2016, 2017, 2018
Chinese CHI (Chinese CHI)	2015, 2016, 2017, 2018
Mobile Systems and Pervasive Computing (MobiSPC)	2017, 2018
Annual Meeting of the Association for Information Science and Technology (ASIS&T)	2018
Digital Transformation & Global Society (DTGS)	2018
Human Factors in Computing Systems: Bridging a Bridge: Bringing Two HCI Communities Together Workshop (CHI BridgingHCI)	2018
Human Factors in Computing Systems Late-Breaking Work (CHI LBW)	2017
iConference (iConf)	2015, 2016
Designing Interactive Systems (DIS)	2016
Information Systems for Crisis Response and Management (ISCRAM)	2014
Human-Centered Computing (HCC)	2014
Presence (ISPR)	2012, 2014

Grant Reviewer

National Science Foundation Graduate Research Fellowship Program (NSF GRFP) Panelist	2016, 2017, 2018
National Science Foundation Cyber-Human Systems (NSF CHS) Panelist	2018
National Science Foundation Smart and Connected Health (NSF SCH) Reviewer	2015

Journal Paper Reviewer

Communications of the ACM	2017, 2018
International Journal of Human-Computer Studies (IJHCS)	2015, 2017
International Journal of Environmental Research and Public Health (IJERPH)	2015, 2017
ACM Transactions on Computer-Human Interaction (TOCHI)	2017
PLOS ONE	2016
Interacting with Computers (IwC)	2016
Information, Communication & Society (ICS)	2016
PeerJ Computer Science (PeerJ CS)	2016
Journal of Visual Languages and Computing (JVLC)	2016

International Journal of Disaster Risk Reduction (IJDRR) 2016
Zoo Biology (ZOO BIOL) 2016
The Visual Computer (TVCJ) 2014, 2015
Human-Computer Interaction (HCI) 2015
Future Internet (Future Internet) 2015
Information and Software Technology (INFSOF) 2013

Conference Paper Reviewer
Human Factors in Computing Systems (CHI) 2011, 2012, 2013, 2014, 2015, **2017***
Computer Supported Cooperative Work & Social Computing (CSCW) 2012, 2013, 2014, **2016***, 2017
Designing Interactive Systems (DIS) 2017, 2018
iConference (iConf) 2017, 2018
European Conference on Information Systems (ECIS) 2018
Computer Supported Collaborative Learning (CSCL) 2015, 2017
International Conference on Human-Computer Interaction (INTERACT) 2017
Interactive Surfaces and Spaces (ISS) 2017
Hawaii International Conference on System Sciences (HICSS) 2017
Australian Conference on Computer-Human Interaction (OZCHI) 2017
Mobile Systems and Pervasive Computing (MobiSPC) 2017
Pervasive and Ubiquitous Computing (UbiComp) 2016
International Conference on Information Systems (ICIS) 2016
Creativity and Cognition (C&C) 2015
International Symposium on Wearable Computers (ISWC) 2015
Americas Conference on Information Systems (AMCIS) 2015
Human-Computer Interaction with Mobile Devices and Services (MobileHCI) 2013

[* Special Recognitions for Exceptional Reviews]

Doctoral Consortium Committee
Annual Meeting of the Association for Information Science and Technology (ASIS&T) 2017

Marketing and Communication Committee
Information Systems for Crisis Response and Management (ISCRAM) 2014

Publicity Chair
International Symposium on End User Development (IS-EUD) 2015

Proceedings Chair
Information Systems for Crisis Response and Management (ISCRAM) 2014

Session Chair
Human Factors in Computing Systems (CHI) 2016, 2017
iConference (iConf) 2015, 2016

Student Volunteer Chair
Computer Supported Cooperative Work & Social Computing (CSCW) 2011

Student Volunteer
Computer Supported Cooperative Work & Social Computing (CSCW) 2008, 2010 Team Leader
Supporting Group Work (GROUP) 2009

University-related Activities

IUB Institute for Digital Arts and Humanities (IDAH) Steering Committee Since 2017
IUB Institute for Digital Arts and Humanities (IDAH) Research & Pedagogy Advocacy Subcommittee Since 2017
IUB SICE Animal-Computer Interaction Professional Master's Program Director Since 2017
IU Bloomington Faculty Council (BFC) Since 2017
IU Bloomington Faculty Council – Faculty Affairs Committee (BFC-FAC) Since 2016
IU SICE CHI Writing Workshop, Organizer Since 2016
NSF Research Experiences for Undergraduates (REU) Advisor Since 2015
IUB Groups STEM Summer Research Experience Program (SREP) Advisor Since 2015
IUB SICE Undergraduate Research Opportunities in Computing (UROC) Advisor Since 2015
IUB SICE Spring Projects and Research Symposium, Judge Since 2015

IUB SICE Fall Projects and Research Symposium, Judge	Since 2015
IUB SICE Lecturer in Informatics Program Search Committee	2017-18
IUB SICE Director of Dean's External Affairs Search Committee	2017-18
IUB SICE Human Computer Interaction Consortium (HCIC) Coordinator	2016-17
IUB SICE HCI/Interaction Design, Course Coordinator	2016-17
IUB SICE Web Development Manager Search Committee	2016-17
IUB SICE Director of Computing Outreach Education Search Committee	2016-17
IUB Faculty-Student Mentoring Initiative (FMI), Advisor	2016-17
IUB SICE On-Campus Visit Day Faculty Panel, Panelist	2016-17
IUB SICE Proactive Health Informatics Faculty Search Committee	2015-16
IUB ILS On-Campus Visit Day Faculty Panel, Panelist	2015-16
IUB ILS MIS & MLS Social Computing Specialization Director	2015-16
IUB ILS Graduate Admission and Scholarship Committee	2015-16
IUB ILS Graduate Programs Subcommittee on MIS Curriculum	2015-16
Penn State IST Scholarship Committee	2014-15
Penn State IST Awards Committee	2014-15
Penn State IST College Assessment Committee	2014-15
Penn State IST Distributed Research Experiences for Undergraduates (DREU) Advisor	Summer 2014
Penn State Postdoc Research Exhibition, Judge	2013-15
Penn State College of Engineering Research Symposium Judge	2013-14
Penn State Graduate Student Research Exhibition Judge	2012-14
Penn State IST Undergraduate Commencement Ceremony, Faculty-at-large	2012-14
Penn State IST Web Committee	2012-15
Penn State IST Human Computer Interaction Curriculum Committee	2012-15
Penn State IST Human Computer Interaction Special Interests Group	2012-15
UC Irvine Informatics Graduate Student Association Board Committee & Social Chair	2010-11
Engineering Society of UCLA (ESUC) Junior Class Representative	2002-03
IEEE Micromouse Team Officer	2001-02
Eta Kappa Nu National Engineering Honor Society Project Committee	2001-02
Tau Beta Pi National Engineering Honor Society Resume Book Committee Chair	2001-02

MENTORSHIP

Indiana University Bloomington

Visiting Scholars

Hong Qiao, Faculty Host, 2015 – 2017
Associate Professor, School of Management Science and Engineering, Shandong Normal University

Doctoral Students

Juan Fernando Maestre, Research Committee Chair Since 2018
Advisory Committee Chair 2015 – 2018
Yi-Han Hu, Advisory Committee Minor Advisor Since 2018
Swapna Chandrashekhar Joshi, Research Rotation Advisor Since 2017
Lucas Cook, Advisory Committee Since 2017
Bo-chiuan Chen, Research Committee Minor Advisor Since 2017
Aehong Min, Advisory Committee Chair Since 2016
Gege Gao, Advisory Committee Chair Since 2016
Daehyoung Lee, Advisory Committee Minor Advisor Since 2016
Tom Ongwere, Advisory Committee Since 2016
Andreas Bueckle, Advisory Committee Minor Advisor Since 2015
Shannon Yang, Advisory Committee Since 2015
Vincent Malic, Research Practicum Advisor Since 2015
Zheng Gao, Research Practicum Advisor Since 2015
Zackary Jones, IDAH Research Project Advisor 2017 – 2018
Jacob Norman Hagstrom, IDAH Research Project Advisor 2017 – 2018
Stephen Sher, Independent Research Advisor 2017
Anna N Baglione, Advisory Committee Chair 2016 – 2018
Pei-Ying Chen, Independent Study Advisor 2015 – 2017
Dahee Chung, Research Committee 2015 – 2017
Chase Matthew McCoy, Research Practicum Advisor 2015 – 2016
Sara Tena Garcia, Dissertation External Examiner, Universidad Carlos III de Madrid 2015 – 2016

Master's Students

Rounak Choudhary, Independent Study Advisor 2015 – 2017
Yu-Chen Huang, Independent Study Advisor 2015 – 2017
Revathy Sridharan, Independent Study Advisor 2015 – 2017

Undergraduate Students

Hannah Blalock, Emerging Scholars Research Experiences for Undergraduate
Women (CEWiT REU-W) Advisor 2017 – 2018
Rachel Sawchuk, SICE Undergraduate Research Opportunities in Computing (UROC) Advisor 2017 – 2018
Ciabhan L. G. Connelly, Undergraduate Independent Research Advisor; 2017 – 2018
NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2017
Julia Dunbar, Undergraduate Independent Research Advisor; 2017 – 2018
NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2017
Gabrielle S. Cantor, Advisor, Emerging Scholars Research Experiences for Undergraduate
Women (CEWiT REU-W); 2017 – 2018
NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2017
Meagan Price, Advisor, Undergraduate Thesis Project Advisor; 2017 – 2018
NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2017
Cody Banister, IDAH Research Project Advisor; 2017 – 2018
SICE Undergraduate Research Opportunities in Computing (UROC) Advisor 2016 – 2017
Maxine Marie Girard, NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2017
Sergio Ramirez Martin, NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2017
Ali A. Talib, Groups STEM Summer Research Experience Program (SREP) Advisor Summer 2017
William Cole Smith, Groups STEM Summer Research Experience Program (SREP) Advisor Summer 2017
Qian (Judy) Dai, SICE Undergraduate Research Opportunities in Computing (UROC) Advisor 2016 – 2017
Vanessa Pereira, NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2016
Grace Bastin, NSF Research Opportunities for Undergraduates (REU) Advisor Summer 2016
Alize Dickey, Groups STEM Summer Research Experience Program (SREP) Advisor Summer 2016
Marille Velez, Groups STEM Summer Research Experience Program (SREP) Advisor Summer 2016
Lee Hiler, SICE Undergraduate Research Opportunities in Computing (UROC) Advisor 2015 – 2017

[2017 IU Office of Mentoring Services & Leadership Development Award]
The Pennsylvania State University

Doctoral Students

Kyungsik (Keith) Han, Dissertation Committee	2012 – 2015
Yu Wu, Dissertation Mentor	2012 – 2015
Saijing Zheng, Dissertation Mentor	2013 – 2015
Jing Wang, Dissertation Mentor	2012 – 2013
Sara Tena Garcia, Universidad Carlos III de Madrid, Dissertation Mentor	Summer 2013

Master's Students

Joslenne Pena, Master's Thesis Mentor	2013 – 2015
Saloni J. D. Vaghela, Master's Thesis Advisor	2014 – 2015
Unsuk Heo, Independent Study Advisor	2014 – 2015

Undergraduate Students

Brett Holden, Honors Thesis Advisor	2014 – 2015
Liam Neigh, Summer Undergraduate Research Fellowship (SURF) Advisor	Summer 2014
Sarah Alice Hanna, Barnard College of Columbia University, Distributed Research Experiences for Undergraduates (DREU) Mentor	Summer 2014
Diana Zhang, Summer Undergraduate Research Fellowship (SURF) Advisor	Summer 2013

University of California, Irvine

Master's Students

Jana Schumann, Otto-von-Guericke-University, Magdeburg, Master's Thesis Mentor	Summer 2011

Undergraduate Students

Sen Hirano, Independent Research Mentor	Spring 2008

REFERENCES

John M. Carroll
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The Pennsylvania State University
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Gary M. Olson
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