

Assistant Professor
 patshih@indiana.edu
 +1 (812) 856-4022
 https://patshih.sice.indiana.edu

Informatics East 259
 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

Indiana University Trustees Teaching Award	2018 – 2019
Groups Scholars Program STEM Mentor of the Year	2018 – 2019
Best of DIGRA International 2018 [C.28]	2018
European Exhibition of Creativity and Innovation Conference (Euroinvent) Silver Medal Award [BC.2]	2017
ACM DIS Special Recognitions for Exceptional Reviews	2017
ACM CHI Special Recognitions for Exceptional Reviews	2017
IU Project and Research Symposium “Most Potential for Social Good” Award [INFO I527 & CSCI P535]	Fall 2017
IU Project and Research Symposium “People’s Choice” Award [INFO I527 & CSCI P535]	Fall 2017
Andrew W. Mellon Foundation Faculty Fellowship	2016 – 2017
IU Office of Mentoring Services & Leadership Development Award	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 – 2015
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**

Co-Director, Animal-Computer Interaction PhD Track Since 2019
 Co-Director, Animal-Computer Interaction Professional MS Program
 Affiliated Faculty, Data Science Program Since 2017
 Assistant Professor, Department of Informatics Since 2016
 Affiliated Faculty, Center for the Integrative Study of Animal Behavior (CISAB)
 Affiliated Faculty, Department of Information and Library Science
 Director, Societal Computing Lab (SOCO) Since 2015
 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, Transforming Education, Stimulating Teaching and Learning Excellence (TRESTLE) 2019 – 2020
 Fellow, Transformative Learning Collegium (TLC) Summer 2019
 Fellow, Course Development Institute (CDI) Summer 2019
 Part-time Assistant Professor, Computer Science Department, DePauw University 2016 – 2018
 Fellow, Consortium for the Science of Sociotechnical Systems (CSST) Summer 2016
 Fellow, National Center for Faculty Development & Diversity (NCFDD) 2015 – 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 2008 – 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. Ercegovic
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.10] National Science Foundation. 2020-2022. CHS: Small: Collaborative Research: Shared Mobility Systems to Address Transportation Barriers of Underserved Urban and Rural Communities. IU PI: **Patrick C. Shih.** (\$211,768); UM PI: Tiffany Veinot; UM Co-PI: Tawanna Dillahunt (\$288,231).
- [EG.9] Templeton World Charity Foundation. 2018-2020. Teaching in wild New Caledonian crows. MPI-SHH PI: Natalie Uomini; IU PI: **Patrick C. Shih.** \$225,066.
- [EG.8] 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.7] U.S. National Park Service. 2015-2016. *Population monitoring, seasonal activity, and landscape movements of little brown myotis (Myotis lucifugus) in Yellowstone National Park.* NPS PI: John Treanor; OU PI: Joe Johnson; UC PI: Jessica Kropczynski; IU PI: **Patrick C. Shih.** \$60,000.
- [EG.6] Yellowstone Park Foundation. 2015-2016. *Bat ecology and movements in Yellowstone National Park.* NPS PI: John Treanor; OU PI: Joe Johnson; UC PI: Jessica Kropczynski; IU PI: **Patrick C. Shih.** \$50,000.
- [EG.5] 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.4] Next Century Corporation Technology Innovation Grant. 2014-2015. PI: **Patrick C. Shih.** \$2,000.
- [EG.3] 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.2] National Science Foundation. 2009-2013. *VOSS: Designing Effective Virtual Organizations.* PI: John M. Carroll; Key Personnel: **Patrick C. Shih.** \$397,913.
- [EG.1] 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.

Internal Grants

- [IG.11] 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).* SPH PI: Georgia Frey; EDU PI; INFO PI: **Patrick C. Shih;** Scott Bellini. \$74,971.
- [IG.10] IUB Groups STEM Summer Research Experience Program. 2018. *The Power of Music Therapy.* PI: **Patrick C. Shih.** \$2,000.
- [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-PI: Mary Beth Rosson; Co-PI: **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.15] Gege Gao and **Patrick C. Shih**. 2019. Effects of Mobile Platform on Female Engagement in MOBA. *Transactions of the Digital Games Research Association*.
- [J.14] Juan F. Maestre, Susan C. Herring, Aehong Min, Ciabhan L. Connelly, and **Patrick C. Shih**. 2018. Where and How to Look for Help Matters: Analysis of Support Exchange in Online Health Communities for People Living with HIV. *Information* 9, 10, Article 259 (October, 2018), 16 pages. <http://dx.doi.org/10.3390/info9100259>
- [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 Kropeczynski. 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 Kropeczynski. 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 Global, 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.36] Zheng Gao and **Patrick C. Shih**. 2019. Communities of Support: Social Support Exchange in a HIV Online Forum. In *Proceedings of the International Symposium of Chinese CHI (ChineseCHI '19)*. ACM Press, 37-43. (50% acceptance rate).
- [C.35] Jacob E. Abbott, Gege Gao, and **Patrick C. Shih**. 2019. Creen: A Carbon Footprint Calculator Designed for Calculation in Context. In *Proceedings of the iConference (iConf '19)*, Lecture Notes in Computer Science (LNCS 11420). Springer, 769-776. (33% acceptance rate).
- [C.34] Zheng Gao, Vincent Malic, Shutian Ma, and **Patrick C. Shih**. 2019. How to Make a Successful Movie: Factor Analysis from Both Financial and Critical Perspectives. In *Proceedings of the iConference (iConf '19)*, Lecture Notes in Computer Science (LNCS 11420). Springer, 669-678. (33% acceptance rate).
- [C.33] K. Cassie Kresnye and **Patrick C. Shih**. 2018. “We have a volunteer coordinator who is unfortunately a volunteer”: A Qualitative Assessment of Animal Shelters. In *Proceedings of the International Conference on Animal-Computer Interaction (ACI '18)*. ACM Press, Article No. 14.
- [C.32] Gege Gao, Yuxuan Zhang, Cheng Cheng, Yi Bu, and **Patrick C. Shih**. 2018. Designing to Enhance Student Participation in Campus Heritage Using Augmented Reality. In *Proceedings of the Digital Heritage International Congress (DH '18)*. IEEE Press, 261-264.
- [C.31] **Patrick C. Shih** and Ronald J. Osgood. 2018. Vietnam War Stories: Stories from All Sides. In *Proceedings of the Digital Heritage International Congress (DH '18)*. IEEE Press, 35-38.
- [C.30] Tom Ongwere, Gabrielle Cantor, Sergio Ramirez Martin, **Patrick C. Shih**, James Clawson, and Kay Connelly. 2018. Design Hotspots for Care of Discordant Chronic Comorbidities: Patients’ Perspectives. In *Proceedings of the Nordic Conference on Human-Computer Interaction (NordicCHI '18)*. ACM Press, 571-583. (24% acceptance rate).
- [C.29] Daehyoung Lee, Georgia Frey, Alison Cheng, and **Patrick C. Shih**. 2018. Puzzle Walk: A Gamified Mobile App to Increase Physical Activity in Adults with Autism Spectrum Disorder. In *Proceedings of the International Conference on Virtual Worlds and Games for Serious Applications (VS-GAMES '18)*. IEEE Press, 180-183.
- [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, 1-16. (50% acceptance rate) **[Best of DiGRA International 2018 Award]**
- [C.27] 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, Paper 557, 13 pages. (26% acceptance rate).
- [C.26] 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, Paper 416, 12 pages. (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, 84-94. (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 F. 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 (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 (GROUP '09)*. ACM Press, 139-148. (36% acceptance rate).

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

- [E.9] Ashley M. Walker, Michael A. DeVito, Juan F. Maestre, Katie A. Siek, Cassie Kresnye, Ben Jelen, **Patrick C. Shih**, Maria Wolters, and Mona Alqassim. 2019. ARC: Moving the Method Forward. In *Proceedings of the Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI EA '19)*. ACM Press, Paper No. SIG06.
- [E.8] Austin Toombs, Laura Devendorf, **Patrick C. Shih**, Liz Kaziunas, David Nemer, Helena Mentis, and Laura Forlano. 2018. Sociotechnical Systems of Care. In *Proceedings of the Companion Publication of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW Companion '18)*. ACM Press, 479-485.
- [E.7] Juan F. Maestre, Elizabeth Eikey, Mark Warner, Jessica Pater, Maia Jacobs, Svetlana "Lana" Yarosh, and **Patrick C. Shih**. 2018. Conducting Research with Stigmatized Populations: Practices, Challenges and Lessons Learned. In *Proceedings of the Companion Publication of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW Companion '18)*. ACM Press, 385-392.
- [E.6] Gege Gao, Yuxuan Zhang, Yi Bu, and **Patrick C. Shih**. 2018. Design Exploration on Robots to Support Single Women at Home in China. In *Proceedings of the International Conference on Robot and Human Interactive Communication (RO-MAN '18)*. IEEE Press, 1190-1195.
- [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, 983-993.
- [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, Demos, and Presentations without Proceedings (Lightly Peer-Reviewed)

- [W.23] Aehong Min, Cassie Kresnye, and Patrick C. Shih. 2019. A System of Equine-assisted Therapy: Stakeholders, Practices, and Issues. *ACM Conference on Designing Interactive Systems: Workshop on Exploring Noticing as Method in Design Research (DIS '19)*.
- [W.22] Aehong Min, Wendy R. Miller, Luis M. Rocha, Katy Börner, Rion Brattig Correia, and **Patrick C. Shih**. 2019. Understanding Health Information Management of People with Epilepsy and Their Caregivers. Poster presented at the *Workshop on Interactive Systems in Health Care (WISH '19)*.
- [W.21] Daehyoung Lee, John M. Kennedy, Donetta J. Cothran, **Patrick C. Shih**, Stephanie Dickinson, Lilian Golzarri-Arroyo, and Georgia C. Frey. Association between Physical Activity, Sedentary Time, and Technology Use in Adults with Autism Spectrum Disorder. Poster presented at the *International Society of Behavioral Nutrition and Physical Activity 2019 Annual Meeting (ISBNPA '19)*.
- [W.20] Daehyoung Lee, Donetta J. Cothran, John M. Kennedy, **Patrick C. Shih**, Lilian Golzarri-Arroyo, Stephanie Dickinson, and Georgia C. Frey. Association between Sedentary Behavior and Cardiovascular Disease Risk in Adults with Autism Spectrum Disorder. Poster presented at the *International Society for Autism Research 2019 Annual Meeting (INSAR '19)*.
- [W.19] Christina Colón, Anna Baglione, and **Patrick C. Shih**. 2019. The Power of Music Therapy. Poster presented at the *2019 Scientista Symposium*.
- [W.18] Yi-Han Hu, Dong-Chul Seo, **Patrick C. Shih**, and Hsien-Chang Lin. 2018. Social Relationships, Neighborhood Disorder, and Cognitive Decline in Elderly: Differences by Living Arrangement. Poster presented at the *Gerontological Society of America's Annual Scientific Meeting (GSA '18)*.
- [W.17] Aehong Min, Flannery Currin, Gustavo Razo, Kay Connelly, and **Patrick C. Shih**. 2018. Characteristics of Family and Respite Care. *ACM Conference on Computer-Supportive Cooperative Work and Social Computing: Workshop on Sociotechnical Systems of Care (CSCW '18)*.
- [W.16] Daehyoung Lee, **Patrick C. Shih**, Scott Bellini, Aehong Min, Donetta J. Cothran, and Georgia C. Frey. 2018. Interactive Development of a Technology-Guided Intervention to Increase Physical Activity and Reduce Anxiety in Adults with Autism Spectrum Disorder. 40 minutes Mini Lecture at the *North American Federation of Adapted Physical Activity Symposium (NAFAPA '18)*.
- [W.15] Daehyoung Lee, John M. Kennedy, Donetta J. Cothran, Andrea K. Chomistek, **Patrick C. Shih**, Aehong Min, and Georgia C. Frey. 2018. Physical Activity, Technology Use, and Cardiovascular Risk in Adults with Autism Spectrum Disorder: A Mixed Methods Study. Oral presentation at the *North American Federation of Adapted Physical Activity Symposium (NAFAPA '18)*.
- [W.14] **Patrick C. Shih**. 2018. Supporting Scientific Work Using End-User Data Analytics. Provocation presented at the *Decennial Sociotech Futures Symposium (CSST '18)*.
- [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 F. 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. Poster presented at the *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. Poster presented at the *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. Poster presented at the *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. Poster presented at the *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.

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.24] "IU Student spends his summer with LSAMP research program developing an app for animal-assisted therapy." IU Engaged Learning. August 1, 2019.
- [MC.23] "Eight SICE faculty earn Trustees Teaching Awards from IU." SICE News. April 29, 2019.
- [MC.22] "SICE researchers to present at NordiCHI 2018." SICE News. September 12, 2018.
- [MC.21] "Symposium highlights study of perspectives on Vietnam War." SICE News. August 9, 2018.
- [MC.20] "SICE researchers showcased at CHI2018." SICE News. March 23, 2018.
- [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

[2018-19 Indiana University Trustees Teaching Award]**Instructor**

INFO I590	Usable AI (Course Development)		Spring 2019
INFO I527 CSCI P535	Mobile and Pervasive Design (Cross-listed with CSCI P535) Pervasive Computing (Cross-listed with I527) Course Rating (1-4): 4.0 Instructor Rating (1-4): 3.9	Class Size: 8	Fall 2018
INFO I590 INFO I400	Seminar in Animal-Computer Interaction (Co-Instructor: Christena Nippert-Eng) Course Rating (1-4): 3.8 Instructor Rating (1-4): 4.0	Class Size: 17	Fall 2018
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 [Fall 2017 IU Project and Research Symposium “Most Potential for Social Good” Award] [Fall 2017 IU Project and Research Symposium “People’s Choice”]	Class Size: 25	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: 26	Fall 2015

Guest Lecturer

INFO I400	Cross-Platform Mobile Programming, Instructor: Christina Chung		Fall 2019
INFO I407/I507	Introduction to Health Informatics, Instructor: Dana Habeeb		Fall 2019
INFO I407/I507	Introduction to Health Informatics, Instructor: Kay Connelly		Fall 2015, 2016, 2017, 2018
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 [2014-15 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**[Best Teaching Assistant Award Nomination]****Teaching Assistant**

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

PROFESSIONAL AND ACADEMIC SERVICES**Steering Committee**

International Conference on Animal-Computer Interaction (ACI)	Since 2018
---	------------

Conference and Symposium Chair

Patrick C. Shih. 2020. *Animal-Computer Interaction (ACI '20)*.

Patrick C. Shih and Ronald Osgood (Eds.). 2018. *Stories of War: A Symposium on Conflict and Civic Engagement*.

Program Chair

Patrick C. Shih & Juan Haladjian (Eds.). 2019. *Animal-Computer Interaction (ACI '19)*.

Starr Roxanne Hiltz, Mark S. Pfaff, Linda Plotnick, and **Patrick C. Shih** (Eds.). 2014. *Information Systems for Crisis Response and Management (ISCRAM '14)*.

Workshop and Panel Chair

Juan F. Maestre, Elizabeth Eikey, Mark Warner, Jessica Pater, Maia Jacobs, Svetlana "Lana" Yarosh, and **Patrick C. Shih.** 2018. *ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW '18): Workshop on Conducting Research with Stigmatized Populations: Practices, Challenges and Lessons Learned*.

Austin Toombs, Laura Devendorf, **Patrick C. Shih,** Liz Kaziunas, David Nemer, Helena Mentis, and Laura Forlano. 2018. *ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW '18): Workshop on Sociotechnical Systems of Care*.

Christena Nippert-Eng and **Patrick C. Shih** (Eds.). *Annual Meeting of the Society for Social Studies of Science (4S '18). Panel on Animals and Technology Around the World, Past and Present*.

Christena Nippert-Eng and **Patrick C. Shih** (Eds.). *Annual Meeting of the Society for Social Studies of Science (4S '18). Panel on Animals and Technology Around the World, Past and Present*.

Journal Editorial Review Board

Proceedings of the ACM on Human-Computer Interaction (PACMHCI-CSCW)	2018-1st, 2018-2nd, 2020
Proceedings of the ACM on Human-Computer Interaction (PACMHCI-GROUP)	2020-1st, 2020-2nd
International Journal of Information Systems for Crisis Response and Management (IJISCRAM)	Since 2016

Conference Program Committee

Designing Interactive Systems (DIS)	2016, 2019, 2020
iConference (iConf)	2015, 2016, 2019
Pervasive Computing Technologies for Healthcare (PervasiveHealth)	2018, 2019
Human Factors in Computing Systems (CHI)	2016, 2018
Supporting Group Work (GROUP)	2018
Human-Computer Interaction with Mobile Devices and Services (MobileHCI)	2018
Web Science (WebSci)	2016, 2017, 2018
Chinese CHI (Chinese CHI)	2015, 2016, 2017, 2018, 2019
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
Computer Supported Cooperative Work & Social Computing (CSCW)	2015
Information Systems for Crisis Response and Management (ISCRAM)	2014
Human-Centered Computing (HCC)	2014
Presence (ISPR)	2012, 2014

Grant Reviewer

National Science Foundation (NSF) Panelist	2016, 2017, 2018
National Science Foundation (NSF) Reviewer	2015, 2019

Journal Paper Reviewer

International Journal of Human-Computer Studies (IJHCS)	2015, 2017, 2019
Proceedings of the ACM on Human-Computer Interaction (PACMHCI-CSCW)	
Student Reviewer Program Mentor	2019
Behaviour & Information Technology	2019
ACM Transactions on Computer-Human Interaction (TOCHI)	2017, 2018
Communications of the ACM	2017, 2018
PeerJ Computer Science (PeerJ CS)	2016, 2019
Journal of International Humanitarian Action	2018
Information	2018
International Journal of Environmental Research and Public Health (IJERPH)	2015, 2017
PLOS ONE	2016
Interacting with Computers (IwC)	2016
Information, Communication & Society (ICS)	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 (TVCI)	2014, 2015
Human-Computer Interaction (HCI)	2015
Future Internet (Future Internet)	2015
Information and Software Technology (INFISOFT)	2013

Conference Paper Reviewer**[* Special Recognitions for Exceptional Reviews]**

Human Factors in Computing Systems (CHI)	2011, 2012, 2013, 2014, 2015, 2017*, 2019
Computer Supported Cooperative Work & Social Computing (CSCW)	2012, 2013, 2014, 2016*, 2017
Designing Interactive Systems (DIS)	2017*, 2018
iConference (iConf)	2017, 2018, 2020
Computer Supported Collaborative Learning (CSCL)	2015, 2017, 2019
Hawaii International Conference on System Sciences (HICSS)	2017, 2019
Australian Conference on Computer-Human Interaction (OZCHI)	2017, 2018
European Conference on Information Systems (ECIS)	2018
International Conference on Human-Computer Interaction (INTERACT)	2017
Interactive Surfaces and Spaces (ISS)	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
Best Paper Award Committee	
iConference (iConf)	2019
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 Groups STEM Mentoring Program Advisor	Since 2018
IUB Faculty Mentoring Initiatives Advisor	Since 2018
IUB Informatics Animal-Computer Interaction PhD Track Co-Director	Since 2018
IUB Informatics Animal-Computer Interaction Professional MS Program Co-Director	Since 2018
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 Informatics Proactive Health Informatics Space Coordinator	Since 2017
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
IU Bloomington Faculty Council—Creation, Reorganization, Elimination, and Merger Committee (BFC-CREM)	2018-19
IU Bloomington Faculty Council (BFC)	2016-19
IUB SICE Scholarship Committee	2017-18
IUB Informatics Lecturer in Informatics Program Search Committee	2017-18
IUB SICE Director of Dean's External Affairs Search Committee	2017-18
IU Bloomington Faculty Council—Faculty Affairs Committee (BFC-FAC)	2016-18
IUB Human Computer Interaction Consortium (HCIC) Coordinator	2016-17
IUB Informatics HCI/Interaction Design, Course Coordinator	2016-17
IUB Informatics Web Development Manager Search Committee	2016-17
IUB Informatics Director of Computing Outreach Education Search Committee	2016-17
IUB Faculty-Student Mentoring Initiative (FMI), Advisor	2016-17
IUB Informatics On-Campus Visit Day Faculty Panel, Panelist	2016-17
IUB SICE Spring Projects and Research Symposium, Judge	2015-17
IUB SICE Fall Projects and Research Symposium, Judge	2015-17
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 Postdoc Research Exhibition, Judge	2013-15
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
Penn State IST Distributed Research Experiences for Undergraduates (DREU) Advisor	Summer 2014
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
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

Membership

ACM Lifetime Member

MENTORSHIP

Indiana University Bloomington

[2018-19 Groups Scholars Program STEM Mentor of the Year]
[2016-17 IU Office of Mentoring Services & Leadership Development Award]

Visiting Scholars

Hong Qiao, Faculty Host, School of Management Science and Engineering, Shandong Normal University 2015 – 2018

Doctoral Students

Research Committee

Daehyoung Lee (IUB Kinesiology, Informatics Minor Advisor)	Since 2019
Juan Fernando Maestre, Chair	Since 2018
Sanchari Das	Since 2018
Lucas Cook	Since 2018
Andreas Bueckle (IUB Intelligent Systems Engineering, Informatics Minor Advisor)	Since 2018
Shengnan Yang (IUB Information & Library Science)	Since 2018
Yi-Han Hu (IUB Applied Health Science, Informatics Minor Advisor)	2018 – 2019
Dahee Chung	2015 – 2017
Sara Tena Garcia, Dissertation External Examiner, Universidad Carlos III de Madrid	2015 – 2016

Advisory Committee

Cedomir Stanojevic (IU Recreation, Park, and Tourism Studies, Informatics Minor Advisor)	Since 2019
Bo-chiuan Chen (IUB Applied Health Science, Informatics Minor Advisor)	Since 2017
K. Cassie Kresnye	Since 2017
Aehong Min, Chair	Since 2016
Tom Ongwere (IUB Informatics, HCI Minor Advisor)	Since 2016
Daehyoung Lee (IUB Kinesiology, Informatics Minor Advisor)	2016 – 2019
Gege Gao, Chair	2016 – 2019
Lucas Cook	2017 – 2018
Yi-Han Hu (IU Applied Health Science, Informatics Minor Advisor)	2017 – 2018
Anna N. Baglione, Chair	2016 – 2018
Andreas Bueckle (IUB Intelligent Systems Engineering, Informatics Minor Advisor)	2015 – 2018
Shengnan Yang (IUB Information & Library Science)	2015 – 2018
Juan Fernando Maestre, Chair	2015 – 2018

Independent Study Advisor

Cassie Kresnye	Since 2017
Swapna Chandrashekhkar Joshi	Since 2017

Jacob Norman Hagstrom	Since 2017
Zheng Gao	Since 2015
Sanchari Das	2017 – 2018
Zackary Jones	2017 – 2018
Stephen Sher	2017 – 2018
Vincent Malic	2015 – 2018
Pei-Ying Chen	2015 – 2017
Chase Matthew McCoy	2015 – 2016

Master's Students*Independent Study Advisor*

Mike Szakaly	Since 2018
Eric Johannes Blom	2017 – 2018
Jaeson Jackson	2017 – 2018
Jinsu Kim	2017 – 2018
Rounak Choudhary	2015 – 2017
Yu-Chen Huang	2015 – 2017
Revathy Sridharan	2015 – 2017

Undergraduate Students*Cox Research Scholars Program*

Alec Andrew Theisz	Since 2018
--------------------	------------

Emerging Scholars Research Experiences for Undergraduate Women (CEWiT REU-W) Advisor

Annie Phelps	2018 – 2019
Alexa Spasevski	2018 – 2019
Hannah Blalock	2017 – 2018
Gabrielle S. Cantor	2017 – 2018

Undergraduate Independent Research Advisor

Flannery Currin	2018 – 2019
Gustavo Razo	2018 – 2019
Julia Dunbar	2017 – 2018
Ciabhan L. G. Connelly	2017 – 2018
Cody Banister	2017 – 2018
Meagan Price	2017 – 2018

SICE Undergraduate Research Opportunities in Computing (UROC) Advisor

Rachel Sawchuk	2017 – 2018
Cody Banister	2016 – 2017
Qian (Judy) Dai	2016 – 2017
Lee Hiler	2015 – 2017

Groups STEM Mentoring Program Advisor

Christina Colón	2018 – 2019
Joshua Johnson	2018 – 2019
JeVante Qaiyim	2018 – 2019

Faculty Mentoring Initiatives Advisor

Andy Zheng	2018 – 2019
------------	-------------

NSF Research Opportunities for Undergraduates (REU) Advisor

Flannery Currin	Summer 2018
Gustavo Razo	Summer 2018
Ciabhan L. G. Connelly	Summer 2017
Julia Dunbar	Summer 2017
Gabrielle S. Cantor	Summer 2017
Meagan Price	Summer 2017
Maxine Marie Girard	Summer 2017
Sergio Ramirez Martin	Summer 2017
Vanessa Pereira	Summer 2016

Grace Bastin Summer 2016

Groups STEM Summer Research Experience Program (SREP) Advisor

Jada Marshall Summer 2019
 Christina Colón Summer 2018
 Saul Martinez Jr. Summer 2018
 William Cole Smith Summer 2017
 Ali A. Talib Summer 2017
 Alize Dickey Summer 2016
 Marille Velez Summer 2016

Indiana STEM Louis Stokes Alliance for Minority Participation (IN LSAMP) Advisor

JeVante Qaiyim Summer 2019
 Justin Alexander Summer 2018

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, Distributed Research Experiences for Undergraduates (DREU) Mentor,
 Barnard College of Columbia University 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**Christena Nippert-Eng**

Professor of Informatics
School of Informatics, Computing, and Engineering
Indiana University Bloomington
Phone: +1 (812) 856-9829
E-mail: cnippert@indiana.edu

John M. Carroll

Distinguished Professor
College of Information Sciences and Technology
The Pennsylvania State University
Phone: +1 (814) 863-2476
E-mail: jcarroll@ist.psu.edu

Gary M. Olson

Professor Emeritus^{1, 2}
¹Department of Informatics
University of California, Irvine
²School of Information
University of Michigan
Phone: +1 (949) 824-0077
E-mail: gary.olson@uci.edu

Mary Beth Rosson

Associate Dean for Graduate and Undergraduate Studies and Professor of Information Sciences and Technology
College of Information Sciences and Technology
The Pennsylvania State University
Phone: +1 (814) 863-3450
E-mail: mrosson@ist.psu.edu

David F. Redmiles

Professor
Department of Informatics
University of California, Irvine
Phone: +1 (949) 824-3823
E-mail: redmiles@ics.uci.edu

Judith S. Olson

Professor Emeritus^{1, 2}
¹Department of Informatics
University of California, Irvine
²School of Information
University of Michigan
Phone: +1 (949) 824-0080
E-mail: jolson@uci.edu

Victoria Bellotti

User Experience Manager for Growth¹ and Adjunct Professor²
¹Lyft, Inc.
²Jack Baskin School of Computer Engineering
University of California, Santa Cruz
Phone: +1 (415) 488-6662
E-mail: bellotti@parc.com