

Deborah L. Estrin

Last Updated 10/1/2018

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EDUCATION

- 1985-Ph.D. Electrical Engineering and Computer Science
Massachusetts Institute of Technology, Boston, MA.
Supervisors: J. Saltzer (Chair), J. Meldman, M. Sirbu, G. Walker.
Thesis: Access to Inter-Organization Computer Networks.
- 1982-M.S. Electrical Engineering and Computer Science
Massachusetts Institute of Technology, Boston, MA.
Supervisors: J. Saltzer (Chair)
Thesis: Data Communications over Cable
- 1980-B.S. Electrical Engineering and Computer Science
University of California, Berkeley

PROFESSIONAL EXPERIENCE

- 2016-Current Associate Dean, Cornell Tech
- 2013-Current Professor, Computer Science, Cornell Tech; and
Professor, Healthcare Policy and Research, Weill Cornell Medical College
Founder, Health Tech Hub, Jacobs Technion-Cornell Institute, Cornell Tech.
- 2011-Current co-Founder, Open mHealth, non-profit startup, <http://openmhealth.org>
- 2000-2012 Professor, Computer Science Department, UCLA
- 2006-2012 Professor, Electrical Engineering, UCLA, Joint Appointment
- 2002-2012 Director, Center for Embedded Networked Sensing, an NSF Science and Technology Center,
Headquartered at UCLA
- 1998-2000 Professor, Computer Science Department, and Project Leader, USC Information Sciences Institute
- 1992-1998 Associate Professor, Computer Science Department, USC
- 1986-1992 Assistant Professor, Computer Science Department, USC

TEACHING EXPERIENCE**Recent Courses Taught and Developed (*)****Cornell Tech (2013-Current)**

- Tech Studio: Fall 2017, Fall 2018
- INFO5555 Health Tech, Data, Systems; Spring 2017, 2018; Taught as CS 5555 in Spring 2014, 2015, Fall 15,
- CS5450 Networks and Distributed Computing; with Vitaly Shmatikov; Spring 2017
- CS5454 Mobile and Ubiquitous Systems; Fall 2013 and Fall 2014
- CS5190 Computer Networking; Spring 2013

UCLA (2001-2012)

- CS219 Participatory Sensing
- CS213 Distributed Embedded Systems
- CS199 Directed Undergraduate Research
- CS194 Honors Undergraduate Research Program
- CS118 Computer Networks (taught annually), BS and MS students
- CS113 Intro to Distributed Embedded Systems

Doctoral Student Advising

Current PhD/Postdoctoral Students:

Eugene Bagdasaryan (CS, Cornell), Fabian Okeke (IS, Cornell), Longqi Yang (CS, Cornell), Hongyi Wen (IS, Cornell); Michael Sobolev (Cornell/PostDoc)

Completed PhD Students (44 PhD students completed 1991-present, listed alphabetical order):

Faisal Alquaddoomi, Lee Breslau, Nirupama Bulusu, Alberto Cerpa, Ron Cocchi, Jeremy Elson, Hossein Falaki, Deepak Ganesan, Lewis Girod, Benjamin Greenstein, Ahmed Helmy, Shai Herzog, Andy Hsieh, Bau-Yi Polly Huang, Josh Hyman, Chalermek Intanagonwiwat, Donnie Kim, Teresa Ko, Kanna Satish Kumar, Charley Ching-Gung Liu, Brent Longstaff, Martin Lukac, Danny Mitzel, Minyoung (Min) Mun, Andrew Parker, Graham Phillips, Pavlin Radoslavov, Nithya Ramanathan, Anoop Reddy, Sasank Reddy, Reza Rejaie, Vids Samanta, Thomas Schoellhammer, Puneet Sharma, Thanos Stathopoulos, Gene Tsudik, Kannan Varadhan, Hanbiao Wang, Liming Wei, Ya Xu, Haobo Yu, Yan Yu, Daniel Zappala, Jerry Zhao

HONORS

- MacArthur Fellow, John D. and Catherine T. MacArthur Foundation, 2018
- ISWC/Ubicomp 2018 10-year impact award for REDDY, S., BURKE, J., ESTRIN, D., HANSEN, M., SRIVASTAVA, M. 2008. Determining Transportation Mode On Mobile Phones. In *Proceedings of the 12th IEEE International Symposium on Wearable Computers (ISWC)*, Pittsburgh, Pennsylvania, September – October 2008.
- IEEE Internet Award, May 2017
- Robert V. Tishman Founder's Chair - 2016-present
- Doctor Honoris Causa, Uppsala University, Sweden 2011
- ACM Sigmobility Outstanding Contribution Award - 2009
- National Academy of Engineering, Elected Member - 2009
- Doctor Honoris Causa, Ecole Polytechnique Federale de Lausanne, Switzerland 2008
- Distinguished Alumnus Award in Computer Sciences & Engineering, UC Berkeley 2008
- Women in Technology International Hall of Fame Award - 2008
- MacKay Fellow, UC Berkeley – 2007-2008
- Campbell Lecturer, Southampton University – May 2007
- American Academy of Arts & Sciences, Elected Fellow 2007
- Anita Borg Institute's Women of Vision award for Innovation 2007
- First Association for Computing Machinery's Committee on Women in Computing (ACM-W) Athena Lecturer – 2006-2007
- Jon Postel Endowed Chair – 2005
- Institute of Electrical and Electronics Engineers (IEEE) Fellow Award – 2004
- American Association for the Advancement of Science (AAAS) Fellow Award – 2001
- Association for Computing Machinery (ACM) Fellow Award – 2000
- Okawa Foundation Award – 1997
- National Science Foundation – Presidential Young Investigator Award – 1987 to 1992
- Vinton Hayes Communication Fellowship, MIT – 1981

PROFESSIONAL ACTIVITIES: EDITORIAL, ORGANIZING, and ADVISORY COMMITTEES

Conferences and Workshops

- Co-organizer, Machine Learning and Data Mining for Podcasts, as part of the ACM SIGKDD Conference on Knowledge Discovery and Data Mining, London, UK. August 20, 2018.
- (Upcoming) Co-organizer, IoT Round Table, Organization for Economic Cooperation and Development, Global Coalition on Aging. October 4th-5th, 2018.
- Co-organizer, The Zucker Hillside Hospital, Northwell Health, Cornell Tech Collaboration Summit. New York, NY. July 13th, 2018.
- Co-organizer, Mobile Health Research Technologies Meeting, New York, NY. July 10-11th, 2018
- Co-organizer, Verily/Google Academic Research Workshop on Retrospective Data Learning/Takeout,

- Google-Mountain View, March 12th, 2018
- MobiSys2017 Sponsor, The Fifteenth International Conference on Mobile Systems, Applications and Services, Niagara Falls, NY, June 19-23rd 2017
- Invited Participant, World Economic Forum, Annual Meeting, Davos, Switzerland, January 17-19th 2017
- Guest co-Editor, IEEE Internet Computing Special Issue - Internet of You: Data Big and Small, 2015
- Technical Program Committee Member, 2nd Physical Analytics workshop (WPA-15), held in conjunction with Mobisys 2015, Florence Italy
- Scientific program committee member, Digital Disease Detection Conference, held in conjunction with WWW 2015, Florence Italy
- Judge, Qualcomm Tricorder XPRIZE, 2014
- Program Co-Chair, Workshop on Physical Analytics, ACM Mobisys, New Hampshire, June 16, 2014
- Organizing committee, Health DataPalooza, June 2014
- Co-Organizer, Social-Mobile-Cloud meets Medicine, December 17, 2013, Technion University, Haifa Israel.
- Member, World Economic Forum, Network of Global Agenda Councils, Robotics and Smart Devices Council, 2012-2013.
- Technical Program Committee Member, ACM Mobisys, 2013
- Co-PI, Intel Science and Technology Center on Pervasive Computing, <http://istc-pc.washington.edu>. 2010-2012.
- Steering Committee, Health Data Initiative (HDI), 2012
- Technical Program Committee Member, SocialUrb, Workshop on Social Connections in the Urban Space 2011
- Technical Program Committee Member, PhoneSense, the 2nd International Workshop on Sensing Applications on Mobile Phones 2011 and 2012
- Technical Program Committee Member, MobiHeld, the 3rd ACM SOSP Workshop on Networking, Systems, and Applications on Mobile Handhelds 2011
- Program Committee Member, 1st Annual Symposium on Computing for Development 2010
- Program Committee Member, MobiHeld, the Second ACM SIGCOMM Workshop on Networking, Systems, and Applications on Mobile Handhelds 2010
- Program Committee Member, MobiSys, International Conference on Mobile Systems, Applications, and Services 2010
- Program Committee Member, Ubicomp, 12th International Conference on Ubiquitous Computing 2010
- Technical Program Committee Member, ACM HotMobile, Eleventh Workshop on Mobile Computing Systems and Applications 2010
- Associate Editor, ACM Transactions on Sensor Networks, 2004-2010
- Program Committee Member, Engaging Data: First International Forum on the Application and Management of Personal Electronic Information 2009
- Program Committee Member, MobiSys, International Conference on Mobile Systems, Applications, and Services 2009
- Technical Program Committee Member, Information Processing in Sensor Networks (IPSN) 2009
- Program Committee Member, MobiSys 2008, 6th International ACM Sigmobility Conference on Mobile Systems, Applications, and Services 2008
- Technical Program Committee Member, 18th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC) 2007
- Technical Program Committee Member, ACM Special Interest Group on Data Communications (ACM Sigcomm - Data Communication Festival) 2007
- Technical Program Committee Member, Fourth Workshop on Embedded Networked Sensors (EmNets), 2007
- Technical Program Committee Member, International Conference on Distributed Computing in Sensor Systems (DCOSS) 2007
- Steering Committee, Sixth International Conference on Information Processing in Sensor Networks (IPSN) 2007
- Program Committee Member, International Workshop on Ambient Intelligence, Media, and Sensing

(AIMS) 2007

- Technical Program Committee Member, ACM Mobicom, Workshop on Challenged Networks (Sigcomm CHANTS) 2007
- Program Committee Member, ACM International Workshop on Algorithmic Aspects of Wireless Sensor Networks (ALGOSENSORS) 2006
- Technical Program Committee Member, ACM Special Interest Group on Data Communications Workshop on Challenged Networks (Sigcomm CHANTS) 2006
- Program Committee Member, Fourth Workshop on Hot Topics in Networks, (HotNets IV) 2005
- Program Committee Member, International Conference on Distributed Computing in Sensor Systems (DCOSS), 2005
- Program Committee, ACM International Conference on Embedded Networked Sensor Systems (Sensys) 2004
- Program Committee, ACM International Workshop on Algorithmic Aspects of Wireless Sensor Networks (ALGOSENSORS) 2004
- Program Committee, ACM International Conference on Mobile Systems, Applications, and Services (MobiSys) 2004
- ACM International Conference on Embedded Networked Sensor Systems (SenSys) 2003 General co-chair and Steering Committee Chair
- Committee Member, Real Time Systems Symposium (RTSS) 2003
- Workshop Program Committee Member, ACM International Workshop on Wireless Sensor Networks and Applications (WSNA) 2003
- Member of program committee, First International Sensor Network Protocols and Applications (SNPA) Workshop, (2002-2003)
- Program Committee Member, ACM OSDI, December 2002
- Program Committee Member, ACM Hotnets, October 2002
- Program Committee Member, ACM International Workshop on Wireless Sensor Networks and Applications (WSNA), September 2002
- Program Committee Member, ACM International Conference on Mobile Computing and Networking (Mobicom), September 2002
- Technical Program Committee Member, IEEE Mobile Ad Hoc Networking Committee (MobiHoc), Boston, MA, August 11, 2000
- ACM Sigcomm, Program Committee Member, 1991-2000
- Program Committee Member, Association for Computing Machinery (ACM) Special Interest Group on Data Communication (Sigcomm), 1991 – 1999
- Technical Program Co-Chair, Association for Computing Machinery (ACM) Special Interest Group on Data Communication (Sigcomm), 1996
- IEEE International Conference on Computer Communications (INFOCOM), Program Committee Member, 1990, 1991, 1993-98
- Program Committee Member, IEEE Global Telecommunications Conference (Globecom), 1994
- Program Committee Member, ACM Conference on Computer and Communications Security, 1993
- Program Committee Member, International Federation for Information Processing (IFIP) International Conference on Integrated Network Management, 1989 – 1993
- Program Committee and Tutorial Organizer, INET 92, Kobe, Japan, 1992
- Program Committee Member, International Federation for Information Processing/Institute of Electrical and Electronics Engineers (IFIP/IEEE) Distributed Systems: Operations and Management Workshop, 1991
- Program Committee Member, IEEE International Conference on Computer Communications (INFOCOM), 1990 – 1991
- Program Committee Member, Institute of Electrical and Electronics Engineers (IEEE) Symposium on Security and Privacy, 1986 – 1989
- Program Committee Member, Telecommunications Policy Research Conference, 1987

Journal Editorial Committees

- Advisory Board Member, ACM Transactions on Computing for Healthcare (HEALTH), 2018-Present
- Editorial Board Member, Digital Biomarkers Journal, Karger, March 2017-present
- IEEE Pervasive Computing Board, 2009 – 2011, Member
- Editorial Board, Communications of the Association of Computing Machinery (CACM), 2007-2009
- Editor, Eurasip Journal, Special Issue on Sensor Networks, 2002
- Associate Editor for the IEEE Magazine on Pervasive Computing, 2001-2004
- Co-Editor, Communications of the Association of Computing Machinery (CACM) Special Issue, "Embedding the Internet," May 2000
- IEEE/ACM Transactions on Networking, member of the Editorial Board, 1993-1998
- Guest Co-Editor, IEEE Journal on Selected Areas in Communications, Special Issue on Internetworking, 1993-1994
- Founding Editor, Journal of Internetworking Research and Experience, (Wiley), 1989 – 1993

Government and Academic Research and Advisory Committees

- The Roybal Center at Division of Geriatrics and Palliative Medicine at Weill Cornell Medical Center, Internal Advisory Committee, 2018, Member
- National Science Foundation, Computer and Information Science and Engineering (CISE) Advisory Committee, December 2015-18
- Invited Participant, NSF-Smart and Connected Health Visioning Meeting, March 20th, 2017
- National Research Council, Computer Science and Telecommunications Board, Study Chair, Computing Research for Sustainability, 2011-12.
- Institute of Medicine's Planning Committee for the Health Data Initiative Forum, 2012, Member
- Go Viral to Improve Health: NAE-IOM Health Data Collegiate Challenge, 2012, Judge
- Center for Technology and Behavioral Health, Expert Team Working Group on Emerging Technologies, 2011 - 2016, Scientific Advisory Board Member and Chair
- AcademyHealth, Relevant Evidence to Advance Care and Health (REACH) Challenge– Enabling Access to Relevant, Timely, and Useful Information to Improve Health and Health Care, 2011, Judge
- National Academy and the United States Institute of Peace Roundtable on Technology, Science and Peacebuilding, 2011 – 2012, Member
- The President's Council of Advisors on Science and Technology (PCAST) and the President's Innovation and Technology Advisory Committee (PITAC) to review the Networking and Information Technology Research and Development (NITRD) Program, 2010 – 2012, Working Group Member
- International Computer Science Institute, (ICSI) Board of Trustees, 2009 – 2012, Member
- Long Term Ecological Research (LTR) Advisory Board, 2009 – 2010, Member
- National Academy of Engineering President's Grand Challenges Advisory Committee, 2009 – 2011, Member
- Alfred P. Sloan Research Fellowships in Computer Science Program Committee, 2008 – 2011, Member
- ACM Athena Lecturer Committee, 2007-2011, Member
- Dan David Prize Review Committee for the chosen field of "Computers and Telecommunications" within the Future Time Dimension, 2010, Member
- Computer Science and Telecommunications Board's (CSTB) Committee on Engaging the Computer Science Research Community in Healthcare Informatics, 2007-2010, Member
- Cork Institute of Technology, Ireland, NEMBES: Networked Embedded Systems Research Programme Advisory Board, 2008-Present, Member
- Computer History Museum Fellows Selection Committee, 2008-2009, Member
- Professor's Chair in Computer Science Search Committee, Faculty of Science and Technology, Uppsala University, 2008, Member
- AAAS Electorate Nominating Committee of the Section on Information, Computing and Communication (T), 2007-2010, Elected Member
- Science and Technology Center for Coastal Margin Observation & Prediction (STC CMOP) External

- Advisory Board, 2007 – 2009, Member
- UCSB, National Consortium on Remote Sensing in Transportation (NCRST) UCSB Department of Transportation (DOT Project) Steering Committee, 2007- 2009, Member
- World Community Grid Advisory Board, 2007- 2009, Member
- University of Southampton, ACM Gender Diversity Committee, 2007-2008, Member
- Initial Nominating Committee for Computing Community Consortium (CCC), November 2006 - April 2007, Member
- IEEE Alexander Graham Bell Committee, 2006-2007, Member
- MIT Dept. of Civil and Environmental Engineering Visiting Committee, 2004-2008, Member
- The National Academies Computer Science and Telecommunications Board (CSTB), 2007-2010, Member
- National Ecological Observatory Network (NEON) Senior Management Team, 2003-2008
- Sensor and Sensor Networks subcommittee of the National Ecological Observatory Network (NEON) Network Design Committee, 2003-2007, Chair
- UCLA, Institute for Pure and Applied Mathematics (IPAM) Scientific Advisory Board Member, 2003-2007, Member
- Center for Environmental Analysis – Center of Research Excellence in Science and Technology (CEA-CREST) External Advisory Board 2003, Member
- California Institute for Telecommunications and Information Technology (CAL-IT2) Advisory Board, 2002-2011, Member
- NSF Environmental Research and Education (ERE) Advisory Committee, 2002-2006, Member
- NSF Computer and Information Science and Engineering (CISE) Advisory Committee, 2002-2006, Member
- National Research Council, Computer Science & Telecommunications Board, 1999 – 2000, Editor and Chair, National Research Council, "Embedded Everywhere Report", 2001
- ISAT Study on Sensor Networks, 1997-1998, Chair
- Advanced Research Project Agency, Scalable Systems Study Group, 1996-97, Leader
- National Research Internet Committee, Interdomain Multicast Routing (IDMR) Working Group, 1995 –2000, Member
- Advanced Research Project Agency, Information Science and Technology (ISAT) Advisory Group, 1995 – 1998, Member
- National Research Council, Computer Science and Telecommunications Board, High Performance and Computing and Communications (HPCC) Committee, 1994, Member
- National Research Council, Computer Science and Telecommunications Board, Committee to Study Changing Nature of Telecommunications Industry, January 1993 - December 1993, Member
- National Research Internet Committee, Source Demand Routing Working Group, 1993 – 1996, Co-Chair
- National Research Council, Computer Science and telecommunications Board, Committee to Study Academic Careers for Experimental Computer Scientists, March 1992 - July 1993, Member
- AAAS Section T on Information Computing and Communication, 1990 –Current, Elected Representative, Member-at-Large
- National Research Internet Committee, End-to-End Research Group, 1990 – 1999, Member
- Office of Technology Assessment, Advanced Information Technology and Research Advisory Panel, 1989 – 1990, Member
- National Research Internet Committee, Internet Research Steering Group, 1989 – 1993, Member
- National Research Internet Committee, Autonomous Networks Research Group, 1987 – 1993, Chairperson
- National Science Foundation, Experimental Research in Electronic Submission (EXPRES) Advisory Committee, 1987 – 1988, Member

Commercial and Non-Profit Venture Advising and Activities

- Advisor, Nanit, <http://www.nanit.com/>, January 2016-2018
- Advisor, MyndYou, <https://www.f6s.com/myndyou>, January 2016-2018
- Advisor, Health Rhythms, <https://healthrhythms.com/>, August 2015-2018

- Advisor, City Health Works, www.cityhealthworks.com, January 2015-2017
- Advisor, Future Perfect Ventures GP LLC, June 2014-2018
- Advisory Board Chair, Open mHealth, June 2012-2018
- Mentor, Blueprint Health, 2015-2017
- Mentor, NYC BigApps, April-July 2014
- Advisory Board Member, Nexleaf Analytics, <http://nexleaf.org/>, 2011-12
- Member of Technical Advisory Board, Kollect, 2011-2013
- Member of Technical Advisory Board, TTI/ Vanguard Inc., 2007- October 2011
- Member of Technical Advisory Board, Sensicast Inc., 2003-2005
- Consulting Professor, Intel Corporation, 2001 – 2003
- Member of Technical Advisory Board, VitalSigns, Inc., 1998 – 2000
- Member of Technical Advisory Board, Fast Forward Networks, Inc., 1998 – 2000
- Board of Directors, Precept Software, Inc., 1995 – 1998
- Consulting Scientist, CISCO Systems, Inc., 1993 – 1998

PUBLICATIONS

Conference Publications

1. ANG, L., CUI, Y., XUAN, Y., WANG, C., BELONGIE, S., ESTRIN, D., Unbiased Offline Recommender Evaluation for Missing-Not-At-Random Implicit Feedback appeared in the the 12th ACM Conference on Recommender Systems (Recsys), Vancouver, Canada, October 2-7, 2018.
2. WEN, H., YANG, L., SOBOLEV, M., ESTRIN, D., Exploring Recommendations Under User-Controlled Data Filtering appeared in the the 12th ACM Conference on Recommender Systems (Recsys), Vancouver, Canada, October 2-7, 2018.
3. YANG, L., SOBOLEV, M., TSANGOURI, C., ESTRIN, D., Understanding User Interactions with Podcast Recommendations Delivered Via Voice appeared in the the 12th ACM Conference on Recommender Systems (Recsys), Vancouver, Canada, October 2-7, 2018.
4. HSIEH, C.K., ALQUADDOOMI, F., OKEKE, F., POLLAK, JP, GUNASEKARA, L., ESTRIN, D. Small Data: Applications and Architecture In Proceedings of the Fourth International Conference on Big Data, Small Data, Linked Data and Open Data, Athens, Greece, April 22-26, 2018.
5. OKEKE, F., SOBOLEV, M., ESTRIN, D. Towards A Framework for Mobile Behavior Change Research In Technology, Mind, and Society: APAScience, Washington DC, USA, April 5-7, 2018.
6. ALQUADDOOMI, F., ESTRIN, D. Ranking Subreddits by Classifier Indistinguishability in the Reddit Corpus. In Proceedings of the Tenth International Conference on Information, Process, and Knowledge Management, March 25-27, 2018.
7. CARINI, S., FARRUGIA, E., HADDAD, D., ESTRIN, D., KUMAR, S., SIM, I. Open mHealth: Common Data Schemas and API for Mobile Health Data, AMIA 2018 Informatics Summit, San Francisco, March 12-15, 2018
8. YANG, L., BAGDASARYAN, E., GRUENSTEIN, J., HSIEH, C., ESTRIN, D. 2018 OpenRec: A Modular Framework for Extensible Recommendation Algorithms. *Proceedings of the 11th ACM International Conference on Web Search and Data Mining (WSDM)*. February 5-9, 2018. openrec.ai
9. YANG, L., FANG, C., JIN, H., HOFFMAN, M.D., ESTRIN, D. 2017. Personalizing Software and Web Services by Integrating Unstructured Application Usage Traces, In *Proceedings of 26th International World Wide Web Conference (WWW)*, Perth, Australia, April 3-7, 2017.
10. HSIEH, C.H., YANG, L., CUI, Y., LIN, T.Y., BELONGIE, S., ESTRIN, D., 2017. Collaborative Metric Learning, *26th International World Wide Web Conference (WWW)*, Perth, Australia, April 3-7, 2017.

11. KIZER, J., SAHUGUET, A., LAKIN, N., CARROLL, M., POLLAK, JP AND ESTRIN, D. 2016. Internet Scale Research Studies using SDL-RX. *Oral Presentation at the Data For Good Exchange*, September 25, 2016.
12. YANG, L., FREED, D., WU, A., WU, J., POLLAK, JP. AND ESTRIN, D. 2016. Your Activities of Daily Living (YADL): An Image-based Survey Technique for Patients with Arthritis. In *Proceedings of the 10th International Conference on Pervasive Computing Technologies for Healthcare*, Cancun, Mexico, May 16-19, 2016: Pervasive Health.
13. HSIEH, C.K., YANG, L., WEI, H., NAAMAN, M. AND ESTRIN, D. 2016. Immersive Recommendation: News and Event Recommendations Using Personal Digital Traces. In *Proceedings of the 25th International World Wide Web Conference (WWW)*, Montréal, Québec, Canada, April 11-15, 2016.
14. YANG, L., HSIEH, C. AND ESTRIN, D. 2015. Beyond Classification: Latent User Interests Profiling from Visual Contents Analysis. In *Proceedings of IEEE International Conference on Communications Smart City & Smart World*, London, UK, June 2015, Data Mining Workshop (ICDMW): IEEE International Conference.
15. YANG, L., CUI, Y., ZHANG, F., POLLAK, JP., BELONGIE, S. AND ESTRIN, D. 2015. PlateClick: Bootstrapping Food Preferences Through an Adaptive Visual Interface. In *Proceedings of the 24th ACM International Conference on Information and Knowledge Management*, Melbourne, Australia, October 2015: CIKM 2015.
16. SAY, P.R., STEIN, D., ANCKER J.S., HSIEH A, POLLAK JP. AND ESTRIN, D. 2015. Smartphone Data in Rheumatoid Arthritis - What Do Rheumatologists Want?. In *Proceedings of the AMIA Annual Symposium*, San Francisco, CA, November 2015, AMIA 2015.
17. BAUM, A., CARROLL, M., ESTRIN, D., GUNASEKARA, L. AND POLLAK, JP. 2015. Pushcart: Supporting and Scaling Nutritionist-Client Relationships. In *Proceedings of CSCW 2015: Workshop on Moving Beyond e-Health and the Quantified Self*, Vancouver, Canada, March, 2015, CSCW 2015.
18. ALQUADDOOMI, F., KETCHAM, C. and ESTRIN, D. 2014. The Email Analysis Framework: Aiding the analysis of personal natural language texts. In *Workshop on Linking The Quantified Self (LinkQS)*, Santiago, Chile, September, 2014.
19. HSIEH, C.K., TANGMURARUNKIT, H., ALQUADDOOMI, F., JENKINS, J., KANG, J., KETCHAM, C., LONGSTAFF, B., SELSKY, J., SWENDEMAN, D., ESTRIN, D. AND RAMANATHAN, N. Lifestreams: A Modular Sense-making Toolset for Identifying Important Patterns from Everyday Life. In *Proceedings of the 11th ACM Conference on Embedded Networked Sensor Systems (SenSys 2013)*, Rome Italy, November 2013.
20. HSIEH, C.K., FALAKI, H., RAMANTHAN, N., TANGMUNARUNKIT, H. AND ESTRIN, D. 2013. HotMobile 2012 Poster: Performance Evaluation of Android IPC for Continuous Sensing Applications, *ACM SIGMOBILE Mobile Computing and Communications Review*.
21. CASILLAS, J., DOOSE-PEÑA, M., ALQUADDOOMI, F., MILLÁN, R., JACOBSON, A., GANZ, P., AND ESTRIN, D. 2012. SMS to Promote Risk-Based Late Effect Screenings? A Technical Pilot for Young Adult Cancer Survivors. In *Proceedings of the 2012 Annual Conference of Critical Mass, the Young Adult Cancer Alliance*, Atlanta, GA, November 2012.
22. KHALAPYAN, Z., TANGMUNARUNKIT, H., SELSKY, J., SAKABU, E., ROCCHIO, R. AND ESTRIN, D. 2012. Hybrid Approaches in Designing Cost Efficient and User Friendly Mobile Interface. In *Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services, Workshop on Mobility and Web Behavior*, San Francisco, September 2012, MobileHCI Workshop.
23. RAMANATHAN, N., SWENDEMAN, D., COMULADA, S., DAWSON, B., ROTHERAM-BORUS, M.J. AND ESTRIN, D. 2012. Identifying Preferences for Mobile Health Applications for Self-monitoring and Self-management: Focus Group Findings from HIV-positive Persons and Young Mothers. In *Proceedings of the 5th World Congress on Social Media. Mobile Apps. Internet/Web 2.0*, Boston, MA, September 2012, Medicine 2.0.
24. TANGMUNARUNKIT, H., RAMANATHAN, N., FALAKI, H., JENKINS, J., KETCHAM, C., LONGSTAFF, B., MONIBI, M., OOMS, J., PARAMESWARAN, K., SELSKY, J. AND ESTRIN, D. Measures and Real-Time Feedback of Diet, Activity, and Stress Using GPS and Accelerometer Enabled Smartphones. In *Proceedings of the 5th World Congress on Social Media. Mobile Apps. Internet/Web 2.0*, Boston, MA, September 2012, Medicine 2.0.

25. RAMANATHAN, N., ALQUADDOOMI, F., FALAKI, H., GEORGE, D., HSIEH, C.K., JENKINS, J., KETCHAM, C., LONGSTAFF, B., OOMS, J., SELSKY, J., TANGMUNARUNKIT, H. AND ESTRIN, D. 2012. Ohmage: An open Mobile System for Activity and Experience Sampling. In *Proceedings of the 6th International Conference on Pervasive Computing Technologies for Healthcare*, May 2012, PervasiveHealth.
26. KIM, D., HAN, K. AND ESTRIN, D., 2011. Employing User Feedback for Semantic Location Services, In *Proceedings of the 13th International Conference on Ubiquitous Computing (UbiComp'11)*, Beijing, China, September 2011, UbiComp'11.
27. ESTRIN, D., ACKER, A., LUKAC, M. AND GRACIAN, I. 2011. Engaging Residents in Community Data Gathering Using Smartphone Technology: A Proof-of-concept Pilot in Boyle Heights. In *Proceedings of Improvements that Work: How to Create Efficiency in Clinical Research Management*, Bethesda, MD, August 2011, 4th Annual National CTSA Community Engagement Conference (Poster).
28. FALAKI, H., MAHAJAN, R. AND ESTRIN, D. 2011. SystemSens: A Tool for Monitoring Usage in Smartphone Research Deployments. In *Proceedings of the 6th ACM International Workshop on Mobility in the Evolving Architecture (ACMMobiArch 2011)*, Washington D.C., June 2011.
29. KYUNGSIK, H., GRAHAM, E., VASSALLO, D. AND ESTRIN, D. 2011. Enhancing Motivation in a Mobile Participatory Sensing Project through Gaming. *IEEE International conference on Social Computing (SocialCom 2011): workshop in Social Connection in the Urban Spaces*SocialUrb-2011: 1443-1448.
30. FALAKI, H., LYMBEROPOULOS, D., MAHAJAN, R., KANDULA, S. AND ESTRIN, D. 2010. A First Look at Traffic on Smartphones. In *Proceedings of the Internet Marketing Conference (IMC)*, Barcelona, Spain, November 2010.
31. MUN, M., HAO, S., MISHRA, N., SHILTON, K., BURKE, J., ESTRIN, D., HANSEN, M. AND GOVINDAN, R. 2010. Personal Data Vaults: A Locus of Control for Personal Data Streams. In *Proceedings of the 6th International Conference on Emerging Networking Experiments and Technologies (CoNEXT)*, Philadelphia, PA, November 2010.
32. KIM, D., KIM, Y., ESTRIN, D. AND SRIVASTAVA, M. 2010. SensLoc: Sensing Everyday Places and Paths Using Less Energy. In *Proceedings of the 8th ACM Conference on Embedded Networked Sensor Systems (SenSys 2010)*, Zurich, Switzerland, November 2010.
33. HICKS, J., RAMANATHAN, N., KIM, D., MONIBI, M., SELSKY, J., HANSEN, M. AND ESTRIN, D. 2010. AndWellness: An Open Mobile System for Activity and Experience Sampling. In *Proceedings of the Wireless Health 2010: Academic and Research Conference*, La Jolla, CA, October 2010.
34. REDDY, S., ESTRIN, D., HANSEN, M. AND SRIVASTAVA, M. 2010. Examining Micro-Payments for Participatory Sensing Data Collections. In *Proceedings of the International Conference on Ubiquitous Computing (UbiComp)*, Copenhagen, Denmark, September 2010.
35. KO, T., SOATTO, S. ANDESTRAIN, D. 2010. Warping Background Subtraction. In *Proceedings of the 23rd IEEE Conference on Computer Vision Pattern Recognition (CVPR)*, San Francisco, CA, June 2010.
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