L U C I

Laboratory for Ubiquitous Computing and Interaction

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December 11, 2009
Debra Richardson, Ph.D.
Dean of the Donald Bren School of Information and Computer Sciences
University of California, Irvine

Dear Dean Richardson,

The Laboratory for Ubiquitous Computing and Interaction ended the 2008-2009 school year with many significant accomplishments and a strong and innovative research program. LUCI is a growing research center with an increasing international impact and presence.

LUCI claims 7 informatics faculty as core members and an additional 4 faculty members as affiliated members. We have 2 full-time researchers, an artist-in-residence, 4 post-docs, 28 graduate students and approximately 13 undergraduate students affiliated with the lab.

The LUCI lab runs a very successful outreach program which includes a web site and associated blog (luci.ics.uci.edu and /blog), mailing list (luci-lab@ics.uci.edu) and iTunes podcast channel which hosts many of our member's video and audio content. In addition to our academic accomplishments, we published over 79 news items this year on our blog and recently launched two new web sites aimed specifically at recruiting new graduate students (hci and hcc .ics.uci.edu) to our program. An associated website aimed specifically at managing a partnership with Intel's people's and practices department was also established (papr.web.uci.edu)

Some of particular highlights of this year have included:

☻ Prof. Gillian Hayes' receipt of the UCI campus-wide Celebration of Teaching Award

☻ Undergrad research Leslie Liu's receipt of the campus-wide undergraduate researcher of the year award.

☻ Undergrad researchers Aurora Bedford, Sam Kaufman and Gabi Marcu's induction into Phi Beta Kappa Honor Society

☻ LUCI hosted a multi-day summer outreach program with 40 high school students from the Brea-Olinda High School Global IT Academy. They had the opportunity to use and discuss the latest trends in Ubiquitous Computing

☻ Prof. Dourish and graduate student Lilly Irani's Best short paper award at IWIC

☻ Graduate Student Silvia Lindtner's receipt of the Anita Borg scholarship

Sincerely yours,

Donald J. Patterson III, Ph.D.

Director

Faculty Members

1. Yunan Chen, Department of Informatics
2. Steve Cramer, Department of Neurology
3. Paul Dourish, Department of Informatics
4. Nikil Dutt, Department of Computer Science
5. Tony Givargis, Department of Computer Science
6. Gillian Hayes, Department of Informatics
7. Crista Lopes, Department of Informatics
8. Melissa Mazmanian, Department of Informatics
9. Bonnie Nardi. Department of Informatics
10. Donald Patterson, Department of Informatics
11. Bill Tomlinson, Department of Informatics

Researchers

1. Amy Henckel

Artist-In-Residence

1. Garnet Hertz

Post-Doctoral Researchers

1. Eric Baumer
2. Derek Lyons
3. Irina Shklovski
4. Monica Tentori
5. Janet Vertesi

Graduate Students

1. Tosin Aiyelokun
2. Sushil Bajracharya
3. Johana Brewer
4. Jed Brudbaker
5. Judy Chen
6. Meg Cramer
7. Xianghua(Sharon) Ding
8. Yasser Ganjisaffar
9. Vrishti Gulati
10. Junius Gunaratne
11. Sidney Harrison
12. Sen Hirano
13. Lilly Irani
14. Sara Javanmardi
15. Eric Kabisch
16. Soyoung Li
17. Kah Liu
18. Leslie Liu
19. Jahnavi Kondragunta
20. Phoebe Lin
21. Silvia Lindtner
22. Gabriela Marcu
23. Mohammad Monibi
24. David H. Nguyen
25. Nick Noack
26. Joel Ossher
27. Sun Young Park
28. Six Silberman
29. Mohan Singh
30. Justin Tang
31. Amanda Williams
32. Michael Yeganyan

Undergraduate Students

1. Jack Allweiss
2. Aurora Bedford
3. Alex Bretana
4. Chris Combs
5. Evelyn Fusimaloha
6. Alex Gerard
7. Yann Jouitteau
8. Samuel Kaufman
9. Viet Pham
10. Brian Sone
11. Kendrick Wang

Awards Received by LUCI members

1. Irani, L., & Dourish, P. Best short paper. International Workshop on Intercultural Collaboration, Stanford, CA. Feb 20-21, 2009.

2. Lindtner, S. Google Anita Borg women scholarship 2008

3. Lindtner, S. recipient of the GDC scholarship 2008

Grants by LUCI members

1. PAPR@UCI Digital Cultures Grant ($4500 seed grant for research on design methods in India)

2. CAREER: Mobile and Ubiquitous Computing Technologies for Young Children with Chronic Health Conditions 499,038 (awarded)

3. Dourish and Vertesi. VOSS: The Social Life of Spacecraft: The Organization of Interplanetary Sociotechnical Systems. National Science Foundation (award 0838499). September 2008-August 2010. $218,091.

4. Dourish and Shklovski. HCC: Small: From Local Ties to Transnational Connections: The Role of Computer-mediated Communication in Relational Maintenance. National Science Foundation (award 0917401.) September 2009-August 2012. $499,999.

5. G. Hayes (PI) Robert Wood Johnson Project Health Design $479,533 (awarded)

6. G. Hayes, IIS HCC Medium: Evaluating the Socio-Technical Impacts of EMR Implementation $1,199,070.00 (pending)

7. Lindtner, S. recipient of a COR mini grant 2009

8. Tomlinson PI. NSF EAGER Award - $280,371, "Narrative-Centered Computing for Childhood Environmental Awareness."

9. Tomlinson PI. Amazon Web Services grant, $1,200 in service for "ResearchWatch.net"

10. Tomlinson PI. Amazon Web Services grant, $6,000 in service for "ICS5: Environmental Issues in IT course"

11. Nokia gift-in-kind $30,000 of phone hardware

Journal Papers Published by LUCI

1. L. Lewis, R. Black, B. Tomlinson. 2009. "Let Everyone Play: An Educational Perspective on Why Fan Fiction Is, or Should Be, Legal." In: International Journal of Learning and Media. Vol. 1(1). MacArthur Foundation/MIT Press. p. 67-81.

2. Nguyen, D.H., & Hayes, G.R. (2009). Information Privacy in Institutional and End-User Tracking and Recording Technologies. Personal and Ubiquitous Computing.

3. Patterson, D.J., X. Ding, S. J. Kaufman, K. Liu and A. Zaldivar. "An ecosystem for learning and using sensor- driven status messages." IEEE Pervasive Computing, vol. 8, no. 4, pp. 42–49. October–December, 2009.

4. B. Tomlinson. 2009. "A Proximate Mechanism for Communities of Agents to Commemorate Long Dead Ancestors." In: Journal of Artificial Societies and Social Simulation. Vol. 12, No. 1, online. 6,494 words.

5. B. Tomlinson, E. Baumer, M. L. Yau, F. L Carpenter, R. Black. 2008. "A Participatory Simulation for Informal Education in Restoration Ecology." In: E-Learning. Vol. 5, No. 3. Online. p. 238-255.

6. Tomlinson, B., Yau, M.L., Baumer, E., Ross, J., Correa, A., Ji, G. (2009). Richly Connected Systems and Multi-Device Worlds. Presence: Teleoperators and Virtual Environments, 18(1), MIT Press.

7. A. Torrance, B. Tomlinson. 2009. "Patent Expertise and the Regress of Useful Arts." In: Southern Illinois University Law Journal. Vol. 33. p. 239-278.

8. A. Torrance, B. Tomlinson. 2009. "Patents and the Regress of Useful Arts." In: Columbia Science and Technology Law Review. Vol. 10. Online. 39pp.

Conference Papers Published by LUCI

1. Baumer, E., Sinclair, J., Hubin, D., and Tomlinson, B. (2009). metaViz: Visualizing Computationally Identified Metaphors in Political Blogs. in The IEEE Symposium on Social Computing (SocialCom). (Vancouver, BC, Canada).

2. Chen, J. and Taylor, A.S. (2008): "entrigue: Re-picturing the Home." In Proceedings of NordiCHI (Lund, Sweden).

3. Ding, X., Patterson, D., Status on Display: A Field Trial of NomaticViz. In Proc. ECSCW 2009.

4. Hayes, G.R., D. J. Patterson, M. Monibi and S. J. Kaufman. "Interactive and intelligent visual communication systems." Workshop short paper. In the proceedings of the 7th international conference on interaction design and children. Chicago, IL. June 2008.

5. Irani, L., and P. Dourish (2008). "Postcolonial Interculturality: Difference and Hybridity." International Workshop on Intercultural Collaboration 2009, Feb 20-21, Stanford, CA. (Short paper)

6. Irani, L., G.R. Hayes, and P. Dourish (2008). "Situated Practices of Looking: Visual Practice in an Online World." CSCW 2008, Nov. 8-12, San Diego, CA.

7. Lindtner, S., Nardi, B., Wang, Y., Mainwaring, S., Jing, H., Liang, W., 2008. "A Hybrid Cultural Ecology: World of Warcraft in China", in Proc. of CSCW, November 2008, San Diego, California, USA.

8. Lindtner, S., Mainwaring, S., Dourish, P., Wang, Y. 2009. Situating Productive Play: Online Gaming Practices and Guanxi in China. In Proc. of INTERACT 2009, Uppsala, Sweden.

9. Lindtner, S. and Dourish, P. 2009. Digital Entertainment Culture in China OR The Heritages of The Californian Ideology. Workshop short paper. Interact 2009 Workshop on Culture and Technologies for Social Interaction.

10. G. Marcu, S. J. Kaufman, J. K. Lee, R. W. Black, P. Dourish, G. R. Hayes and D. J. Richardson. "Design and evaluation of a computer science and engineering course for middle school girls." SIGCSE 2010, the 41st ACM Technical Symposium on Computer Science Education. Milwaukee, WI. March 2010 (forthcoming).

11. Nguyen, D.H., Kobsa, A., & Hayes, G.R. (2008). An Empirical Investigation of Concerns of Everyday Tracking and Recording Technologies. Paper presented at the 10th International Conference on Ubiquitous Computing (UbiComp 2008).

12. Nguyen, D. H., Marcu, G., Hayes, G. R., Truong, K. N., Scott, J., Langheinrich, M. and Roduner, C. Encountering SenseCam: Personal Recording Technologies in Everyday Life. In Proc UbiComp 2009 (Orlando, FL, 2009).

13. Patterson, D.J., C. Baker, X. Ding, S. J. Kaufman, K. Liu and A. Zaldivar. "Online everywhere: evolving mobile instant messaging practices." In Proc. UbiComp 2008. Seoul, South Korea. September 2008.

14. Rao, S., Chen, J., Jeffries, R. and Boardman, R. "You've Got IMs!" How People Manage Concurrent Instant Messages. In Human-Computer Interaction, Part I, HCII 2009, LNCS 5610. J.A. Jacko (Ed.), Springer-Verlag, 500-509, 2009.

15. Shih, P.C., Nguyen, D.H., Hirano, S., Redmiles, D.F., & Hayes, G.R. (2009). GroupMind: Supporting Brainstorming through a Collaborative Mind-mapping Tool. Paper presented at the International ACM Conference on Supporting Group Work (GROUP 2009).