

Ravi Kiran Vatrapu

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 Center for Applied ICT (CAICT)
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Education

Ph.D; Communication and Information Sciences, University of Hawai'i at Mānoa, USA (2007)

Graduate Certificate; International Cultural Studies, East-West Center, USA (2005)

M.Sc; Computer Science and Applications, Virginia Tech, USA (2002)

B.Tech; Computer Science and Systems Engineering, Andhra University, India (2000)

Research

- **Comparative Informatics:** Socio-technical intersections of computer science, cognitive science, consciousness studies, and cultural studies
 - Theory-based empirical study of apperception, perception, and appropriation of socio-technical affordances
 - Empirically informed theory of the structures and functions of technological intersubjectivity
- Computer Supported Intercultural Collaboration (CSIC)
- Computer Supported Collaborative Learning (CSCL)
- E-Politics
- Human Computer Interaction in Extreme Environments
- Interactive Advertising

Teaching

- *Spring 2010*
 - T1: Introduction to Programming and Distributed Systems, E-Business, ITU, Denmark
 - T14: [Human Information Processing](#), E-Business, ITU, Denmark
 - B22: Online Marketing - advertising, consumers and communities, E-Business, ITU, Denmark
- *Fall 2009*
 - [EB22: Online Marketing - advertising, consumers and communities](#), E-Business, ITU, Denmark
 - [IMBE I: Design for Use and Users](#), Cand.Merc.(it), Copenhagen Business School, Denmark
 - Lecturer, Fundamentals of Information Systems, HA.(it), Copenhagen Business School, Denmark
- *Previous*
 - Teaching Assistant, ICS 312: Machine-Level and Systems Programming, Dept. of Information and Computer Sciences, University of Hawai'i at Mānoa, Honolulu, HI, USA (Fall 2007)
 - Teaching Assistant, Introduction to Human-Computer Interaction, Virginia Tech, Blacksburg, VA, USA (Fall 2000)
 - Teacher, Mathematics 1 & 2 for Grade 10, Heritage Residential School, Visakhapatnam, AP, India (1997-1999)

Service

- *Technology Committee Chair*, International Society of the Learning Sciences (ISLS)
- *Conference Co-Chair* (with Anne-Marie Søderberg & Pamela Hinds), Third ACM International Conference on Intercultural Collaboration ([ICIC 2010](#), formerly [IWIC](#)), Aug 19-20, 2010, Copenhagen Business School,

Frederiksberg, Denmark

- *Demonstrations Co-Chair*, Second ACM International Workshop on Intercultural Collaboration (IWIC 2009), Feb 20-21, 2009, Stanford University, Palo Alto, CA, USA
- *Session Chair*, Second International Workshop on Intercultural Collaboration (IWIC 2009), Feb 20-21, 2009, Stanford University, Palo Alto, CA, USA
- *Program Committee*, Fourth Human Work Interaction Design (IFIP 13.6) Working Conference On Usability in Social, Cultural and Organizational Contexts, October 7-8, 2009, Pune, India
- *Reviewer*
 - Journals: TOCHI, Interacting with Computers, IJCSCL, IJAIED, AI & Society, and Computers & Education
 - Conferences: CHI, UIST, IUI, CSCW, CSCL, ICLS, HICSS, ICIC, NordiCHI
- Student volunteer for conferences (CSCL-2005, E-Learn-2006, HERA-2007, Triple Helix Summit-2007).'
- Academic Chair, Graduate Student Organization (GSO), University of Hawai'i at Mānoa, Honolulu, HI, USA (2006-2007)
- Member, WASC Steering Committee, University of Hawai'i at Mānoa, Honolulu, HI, USA (2006-2007)
- Member, Committee on Program Review (CoPR), University of Hawai'i at Mānoa, Honolulu, HI, USA (2006-2007)
- Member, Graduate Council, University of Hawai'i at Mānoa, Honolulu, HI, USA (2006-2007)
- Member, Curriculum Committee, International Cultural Studies Graduate Certificate Program, East-West Center & University of Hawai'i at Mānoa, USA (2006-2007)
- President, Indian Student Association, University of Hawai'i at Mānoa, Honolulu, HI, USA (2003-2007)

Positions Held

Assistant Professor (from Feb 2009- present)

Center for Applied ICT (CAICT). Copenhagen Business School (CBS), Frederiksberg, Denmark.

Responsibilities include but are not limited to research on Comparative Informatics, teaching, and service at CBS.

Junior Researcher (Feb 2008– Dec 2008)

Dept. of Information and Computer Sciences, University of Hawai'i at Mānoa, HI, USA.

Research member of the hi'chi group. Responsibilities included investigating digital deliberation and digital democracy applications.

Research Assistant (Aug 2007 – Jan 2008)

Dept. of Information and Computer Sciences, University of Hawai'i at Mānoa, HI, USA.

Research member of the HiMax group. Responsibilities included investigating and prototyping novel mixed reality systems and services based on high-speed wireless Internet.

Teaching Assistant (Aug 2007– Jan 2008)

Dept. of Information and Computer Sciences, University of Hawai'i at Mānoa, HI, USA.

Graded assignments and tutored students for ICS 312: Machine-Level and Systems Programming.

Research Assistant (Aug 2002 – Jul 2007)

Dept. of Information and Computer Sciences, University of Hawai'i at Mānoa, HI, USA.

Research member of the Laboratory for Interactive Learning Technologies (LILT). Responsibilities included designing and conducting experiments and data analysis for Collaborative Representations.

Usability Engineer Intern (May 2001 – Aug 2001)

IBM Corporation, Research Triangle Park, NC, USA.

Developed step-by-step test procedures for testing the accessibility of Software, Java and Web applications to ensure ADA, Section 508 compliance. Conducted usability studies of the ServRAID BIOS installation wizard.

Designed cluster installation Wizard for IBM ServRAID.

Research Assistant (Jan 2001 – May 2003)

Department of Computer Science, Virginia Tech, Blacksburg, VA, USA.

Research at the Dialogue Research Group to identify, verify, validate and formulate guidelines on the Cross-cultural issues in Human Computer Interaction. MS thesis applied Hofstede's cultural model to empirically study the efficacy of structured interviews in international usability evaluation.

Teaching Assistant (Oct 2000 – Dec 2000)

Department of Computer Science, Virginia Tech, Blacksburg, VA, USA.

Assisted in designing and grading of assignments, term papers for the Computer Science junior-level course of Introduction to Human Computer Interaction.

Part-Time Higher Secondary Teacher (Jun 1997 – Apr 1999)

Heritage Residential School, Visakhapatnam, AP, India.

Taught 10th Grade Math. Responsibilities included instruction, design and grading of assignments, setting term papers, and math challenge problems.

Grants and Awards

- National Science Foundation Early Career Workshop Participation Support Grant for ICLS 2008, Utrecht, The Netherlands (2008)
- University Research Council Travel Award for NordiCHI 2008, Lund, Sweden (2008)
- University Research Council Travel Award for ICLS 2008, Utrecht, The Netherlands (2008)
- International Workshop on Intercultural Collaboration Travel Grant, Kyoto, Japan (2007)
- Graduate Student Organization Travel Award for CHI 2007, San Jose, USA (2007)
- Graduate Student Organization Travel Award for TSC 2007, Tucson, USA (2006)
- National Science Foundation Doctoral Consortium Participation Support Grant for CSCL 2005, Taipei, Taiwan (2005)

- *Best Student Paper Award & Best Paper Nomination at Computer Supported Collaborative Learning (CSCL 2009), Rhodes, Greece*
- *Best Paper Honorable Mention at ACM Conference on Human Factors in Computing Systems (CHI 2009), Boston, USA*
- *Best Paper Award at the 15th International Conference on Computers in Education (ICCE 2007), Hiroshima, Japan*

Professional Affiliations

- Association for Computing Machinery (ACM)
 - Special Interest Group on Computer Human Interaction (SIGCHI)
 - Special Interest Group on Computer Science Education (SIGCSE)
- International Society of the Learning Sciences (ISLS)
- Association for Information Systems (AIS)

Course Work

At least one advanced graduate level course taken in *Anthropology, Communication, Computer Science, Cultural Studies, Educational Psychology, Educational Foundations, Geography, History, Linguistics, Philosophy, Psychology, and Sociology*. Also audited courses in *English* and *Philosophy*.

List of Publications

Journals

- Vatrapu, R., & Suthers, D. (in review). Intra- and Inter-Cultural Usability in Computer Supported Collaboration.
- [J.07] Suthers, D., Dwyer, N., Medina, R., & Vatrapu, R. (in press). A Framework for Conceptualizing, Representing and Analyzing Distributed Mediated Interaction. *International Journal of Computer Supported Collaborative Learning*.
- [J.06] Robertson, S., Vatrapu, R., & Medina, R. (in press). Online Video "Friends" Social Networking: Overlapping Online Public Spheres in the 2008 U.S. Presidential Election. *Journal of Information Technology & Politics*.
- [J.05] Robertson, S.P., & Vatrapu, R.K. (2010). Digital government. In B. Cronin (Ed.), *Annual Review of Information Science and Technology, Volume 44*, Chapter 8, pp. 317-364.
- [J.04] Vatrapu, R., Robertson, S., & Dissanayake, W. (2008). Are Political Weblogs Public Spheres or Partisan Spheres? *International Reports on Socio-Informatics*, 5(1), 7-26. ([Pre-Print](#))
- [J.03] Vatrapu, R. (2008). Cultural Considerations in Computer Supported Collaborative Learning. *Research and Practice in Technology Enhanced Learning*, 3(2), 159-201. ([Pre-Print](#))
- [J.02] Suthers, D., Vatrapu, R., Medina, R., Joseph, S., & Dwyer, N. (2008). Beyond Threaded Discussion: Representational Guidance in Asynchronous Collaborative Learning Environments. *Computers and Education*, 50(4), 1103-1127. ([Paper](#))
- [J.01] Vatrapu, R., & Pérez-Quñones, M. (2006). Culture and Usability Evaluation: The Effects of Culture in Structured Interviews. *Journal of Usability Studies*, 1(4), 156-170. ([Paper](#))

Book Chapters

- [BC.02] Medina, R., Suthers, D., & Vatrapu, R. (2009). Representational practices in VMT. In G. Stahl (Ed.), *Studying Virtual Math Teams* (pp. 185-206). London: Springer Computer-Supported Collaborative Learning Series, Vol 11. ([Pre-Print](#))
- [BC.01] Suthers, D., Dwyer, N., Medina, R., & Vatrapu, R. (2009). Exposing Interactional Processes in Online Learning. In K. Kumpulainen, C. Hmelo-Silver & M. César (Eds.), *Investigating Classroom Interaction: Methodologies in Action*. Rotterdam : Sense Publishers, 121-144. ([Pre-Print](#))

Conferences

- [C.26] Vatrapu, R., & Robertson, S. (in press/2010). An Information Foraging Analysis of Note Taking and Note Sharing While Browsing Campaign Information . Proceedings of the 43rd Hawai'i International Conference on the System Sciences (HICSS-43), IEEE Xplore.
- [C.25] Vatrapu, R. (2009). Toward a Theory of Socio-Technical Interactions in Technology Enhanced Learning Environments. In U. Cress, V. Dimitrova & M. Specht (Eds.), *EC-TEL 2009, Lecture Notes in Computer Science (LNCS) 5794* (pp. 694-699). Berlin Heidelberg Springer-Verlag. ([Pre-Print](#))
- [C.24] Vatrapu, R., & Suthers, D. (2009). Is Representational Guidance Culturally Relative? In Claire O'Malley, Daniel Suthers, Peter Reimann, Angélique Dimitracopoulou (eds). *Computer Supported Collaborative Learning Practices: CSCL2009 Conference Proceedings*, International Society of the Learning Sciences, June 8-13, 2009,

Rhodes, Greece, pp.542-551. ([Pre-Print](#))

[C.23] Vatrapu, R., Suthers, D., & Medina, R. (2009). Notational Effects on Use of Collaboratively Constructed Representations During Individual Essay Writing. In Claire O'Malley, Daniel Suthers, Peter Reimann, Angelique Dimitracopoulou (eds). Computer Supported Collaborative Learning Practices: CSCL2009 Conference Proceedings, International Society of the Learning Sciences, June 8-13, 2009, Rhodes, Greece, pp.165-169. ([Pre-Print](#))

[C.22] Medina, R., Suthers, D., & Vatrapu, R. (2009). Inscriptions Becoming Representations. In Claire O'Malley, Daniel Suthers, Peter Reimann, Angelique Dimitracopoulou (eds). Computer Supported Collaborative Learning Practices: CSCL2009 Conference Proceedings, International Society of the Learning Sciences, June 8-13, 2009, Rhodes, Greece, pp.18-27. ([Pre-Print](#)) **(Best Student Paper Award) (Best Paper Nomination)**

[C.21] Robertson, S., Vatrapu, R., & Medina, R. (2009). The Social Life of Social Networks: Facebook Linkage Patterns in the 2008 U.S. Presidential Election. Paper presented at the 10th International Conference on Digital Government Research (dg.o 2009), May 17-20, 2009, Puebla, Mexico. ACM Digital Library. ([Paper](#))

[C.20] Robertson, S., Vatrapu, R., & Medina, R. (2009). YouTube and Facebook: Online Video Friends Social Networking. Paper presented at the First Annual Journal of Information Technology & Politics Conference: "YouTube and the 2008 Election Cycle in the United States", April 16-17, 2009, Amherst, MA, USA. ([Paper](#)) ([Slides](#)) ([YouTube Video](#))

[C.19] Vatrapu, R., & Robertson, S. (2009). Information Foraging in E-Voting. Extended Abstract in the Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2009), April 4-9, 2009, Boston, USA. ([Pre-Print](#))

[C.18] Le Pape, M., & Vatrapu, R. (2009). An Experimental Study of Field Dependency in Altered Gz Extreme Environments. Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2009), April 4-9, 2009, Boston, USA. ([Pre-Print](#)) **(Best Paper Nomination)**

[C.17] Vatrapu, R., & Suthers, D. (2009). Technological Intersubjectivity in Computer Supported Intercultural Collaboration. Proceedings of the 2nd ACM International Workshop on Intercultural Collaboration (IWIC 2009). ([Pre-Print](#))

[C.16] Robertson, S., Vatrapu, R., & Abraham, G. (2009). Note Taking and Note Sharing While Browsing Campaign Information. Proceedings of the 42nd Hawai'i International Conference on the System Sciences (HICSS-42), IEEE Xplore. ([Pre-Print](#))

[C.15] Vatrapu, R., Suthers, D., & Medina, R. (2008). Usability, Sociability, and Learnability: A Design Evaluation Framework for Computer Supported Collaborative Learning. Proceedings of the 16th International Conference on Computers in Education (ICCE 2008), Taipei, Taiwan. ([Pre-Print](#))

[C.14] Vatrapu, R. and Suthers, D. (2007). Culture and Computers: A Review of the Concept of Culture and Implications for Intercultural Collaborative Online Learning. In Ishida, T., Fussell, S.R. and Vossen, P.T.J.M. eds. Intercultural Collaboration I : Lecture Notes in Computer Science, Springer-Verlag 2007, 260-275. ([Pre-Print](#))

[C.13] Suthers, D., Vatrapu, R., Medina, R., & Dwyer, N. (2007). Information Sharing and Interaction in Collaborative Convergence. Proceedings of the 15th International Conference on Computers in Education (ICCE 2007), Hiroshima, Japan. ([Pre-Print](#)) **(Best Paper Award)**

[C.12] Suthers, D., Vatrapu, R., Medina, R., Joseph, S., & Dwyer, N. (2007). Conceptual representations enhance knowledge construction in asynchronous collaboration. Proceedings of the Computer Supported Collaborative

Learning (CSCL 2007), New Brunswick, NJ. ([Pre-Print](#))

[C.11] Suthers, D., Medina, R., Vatrappu, R., & Dwyer, N. (2007). Information Sharing is Incongruous with Collaborative Convergence: The Case for Interaction. Proceedings of the Computer Supported Collaborative Learning (CSCL 2007), New Brunswick, NJ. ([Pre-Print](#))

[C.10] Suthers, D., Dwyer, N., Medina, R., & Vatrappu, R. (2007). A Framework for Analyzing Interactional Processes in Online Learning. Paper presented at the Annual Meeting of the American Educational Research Association (AERA), April 9-13, 2007. ([Pre-Print](#))

[C.09] Suthers, D., Dwyer, N., Medina, R., & Vatrappu, R. (2007). A Methodology and Formalism for Eclectic Analysis of Collaborative Interaction. Proceedings of the Computer Supported Collaborative Learning (CSCL 2007), New Brunswick, NJ. ([Pre-Print](#))

[C.08] Suthers, D., Vatrappu, R., Joseph, S., Dwyer, N., & Medina, R. (2006). Representational Effects in Asynchronous Collaboration: A Research Paradigm and Initial Analysis. In 39th Hawai'i International Conference on the System Sciences (HICSS-39), January 4-7, 2006 (pp. (CD-ROM)). Kauai, Hawai'i: Institute of Electrical and Electronics Engineers, Inc. (IEEE). ([Pre-Print](#))

[C.07] Suthers, D., Dwyer, N., Medina, R., & Vatrappu, R. (2006). Analysis of Meaning Making in Online Learning. Proceedings of the 14th International Conference on Computers in Education (ICCE 2006), Beijing, P.R. China. ([Pre-Print](#))

[C.06] Keller, B., Pérez-Quiñones, M. A., & Vatrappu, R. (2006). Cultural Issues and Opportunities in Computing Education. Paper presented at the 9th International Conference on Engineering Education. July 23 - 28, 2006, San Juan, PR. ([Pre-Print](#))

[C.05] Vatrappu, R. (2006). Culture and Technology: An inquiry into the intercultural intersubjective webs of Indian international students at the University of Hawai'i at Mānoa. Paper presented at the 5th EWC International Graduate Student Conference, Honolulu, HI, USA. ([Abstract](#))

[C.04] Vatrappu, R. (2006). Human Consciousness as an Ontological Solution in Search of an Epistemological Problem: Introducing the Intercultural Intersubjectivity Framework. Proceedings of the Towards a Science of Consciousness (TSC 06), Tucson, AZ, p.203. ([Abstract](#))

[C.03] Suthers, D., & Vatrappu, R. (2004). A Qualitative Analysis of how Shared Representations are Manipulated to Mediate Online Synchronous Collaboration. Proceedings of the 12th International Conference on Computers in Education (ICCE 2004), November 30-December 3rd, 2004, Melbourne ([Pre-Print](#))

[C.02] Hundhausen, C., Wingstrom, J., & Vatrappu, R. (2004). The Evolving User-Centered Design of the Algorithm Visualization Storyboarder. Proceedings of the 2004 IEEE Symposium on Visual Languages and Human Centric Computing, 62-64. ([Pre-Print](#))

[C.01] Hundhausen, C., Vatrappu, R., & Wingstrom, J. (2003). End-user programming as translation: an experimental framework and study. Proceedings of the 2003 IEEE Symposium on Human Centric Computing Languages and Environments, 47-49. ([Pre-Print](#))

Workshops

[W.09] Vatrappu, R. (2009). Toward a Socio-Technical Theory of Culture. Paper to be presented at the Culture and Technologies for Social Interaction Workshop at the 12th IFIP TC13 Conference in Human-Computer Interaction (INTERACT 2009), Uppsala, Sweden. ([Paper](#))

[W.08] Vatrapu, R. (2009). Teaming and Doing Math Problem-Solving Online. Presentation at the Common Objects for Productive Multivocality in Analysis Workshop held at the Computer Supported Collaborative Learning (CSCL 2009). ([Slides](#))

[W.07] Vatrapu, R. (2009). A Comparative Informatics Research Approach to CSCL. Paper presented at the Early Career Workshop held at the Computer Supported Collaborative Learning (CSCL 2009). ([Paper](#)) ([Slides](#))

[W.06] Vatrapu, R. (2008). Cultural Usability and Computer Supported Collaboration. Paper presented at the Cultural usability and Human Work Interaction Design - Techniques that Connects Workshop at the 2008 NordiCHI Conference, Lund, Sweden. ([Pre-Print](#))

[W.05] Vatrapu, R., Robertson, S., Dissanayake, W., & Jeedigunta, A. (2008). Are Political Weblogs Public Spheres or Partisan Spheres? A Virtual Ethnographic Study of Online Participations and Implications for Civic Participation in the Internet Age. Paper presented at the DEMO-net Research Workshop on Empowerment and e-Participation in Civil Society: Local, National and International Implications. ([Pre-Print](#))

[W.04] Vatrapu, R. (2008). Technological Intersubjectivity and Appropriation of Affordances in Computer Supported Collaborative Learning. Paper presented at the Early Career Workshop at the International Conference for the Learning Sciences (2008), Utrecht, The Netherlands. ([Pre-Print](#))

[W.03] Vatrapu, R. (2008). Technological Intersubjectivity and Appropriation of Affordances in Inter/Intra-Cultural Computer Supported Collaborative Learning Environments. Paper presented at the Opening Learning Interplay Symposium, Carnegie Mellon University, Pittsburgh, PA, USA. ([Abstract](#)) ([Poster](#))

[W.02] Vatrapu, R., & Suthers, D. (2007). Culture and Computers: A review of the concept of culture and implications for intercultural online learning. Paper presented at the First International Workshop on Intercultural Collaboration (IWIC-2007); January 25-26, 2007; Kyoto, Japan. ([Slides](#))

[W.01] Vatrapu, R., & Suthers, D. (2007). Culture and Computers: A review of the concept of culture and its analytical usage. Paper presented at the Culture and Collaborative Technologies Workshop at CHI (CHI-2007); April 28-29, 2007; San Jose, USA. ([Paper](#))

Talks

[T.06] Vatrapu, R. (2009). Internet Advertising: Promises and Pitfalls. Presentation at the IT Matchmaking Event of Innofactor, Copenhagen Business School, Frederiksberg, November 06, 2009. ([Slides](#))

[T.05] Vatrapu, R. (2009). A Comparative Informatics Approach to Technology Enhanced Learning. Presentation at the Adaptive and Intuitive Systems for Learning, Technology-enhanced Learning: ICT Call 5 Information Day, Luxembourg City, March 24, 2009. ([Slides](#))

[T.04] Vatrapu, R., & Robertson, S. (2008). Digital Democracy and Digital Citizenship: Emergent Trends and Empirical Studies. Paper presented at the International Cultural Studies Speaker Series. ([Abstract](#)) ([Slides](#))

[T.03] Vatrapu, R. (2007). Good Riddance! The Roots and Routes of an Indifferent Non-Resident Alien in the US of A. Paper presented at the 24th Annual Spring Symposium of the Center for South Asian Studies (CSAS-2007). ([Slides](#))

[T.02] Vatrapu, R. (2006). Bring back class! Some reflections on the praxis of "going to the movies" in the USA and India. Paper presented at the International Cultural Studies Speaker Series. ([Slides](#))

[T.01] Vatrapu, R. (2006). Culture and Technology: A case study Indian international students at two US Universities. Paper presented at the 23rd Annual Spring Symposium of the Center for South Asian Studies

(CSAS-2006). ([Slides](#))

Panels

[P.03] Suthers, D., Medina, R., & Vatrapu, R. (2009). Tracing the Development of Representational Practices. In Claire O'Malley, Daniel Suthers, Peter Reimann, Angelique Dimitracopoulou (eds) Computer Supported Collaborative Learning Practices: CSCL2009 Conference Proceedings Vol 2, International Society of the Learning Sciences, June 8-13, 2009, Rhodes, Greece, p.29. ([Paper](#))

[P.02] Vatrapu, R. (2009). On Research Methods. Panel Presentation at the Communications and Information Sciences Interdisciplinary PhD Program Seminar (CIS 720), University of Hawai'i at Mānoa, Honolulu, HI, USA. ([Slides](#))

[P.01] Vatrapu, R. (2008). Cross-Cultural Research Methods. Panel Presentation at the Cultural usability and Human Work Interaction Design - Techniques that Connects Workshop at the 2008 NordiCHI Conference, Lund, Sweden. ([Slides](#))

Demonstrations

[D.02] Suthers, D., Dwyer, N., & Vatrapu, R. (2009). CollabReps: A Research Prototype for Studying Representational Guidance in Computer Supported Intercultural Collaboration . Demonstration submitted to the ACM 2nd International Workshop on Intercultural Collaboration (IWIC 2009). ([Pre-Print](#))

[D.01] Robertson, S., & Vatrapu, R. (2008). Towards Voter-Centered Design: A Demonstration of VotesBy.US. Interactive demonstration at the 2008 NordiCHI conference, Lund, Sweden. ([Pre-Print](#))

Provisional Patents

[PP.03] Vatrapu, R., & Joseph, S. (2008). Socio-Spatial-History Recorder: A Single User-Action Solution to Creating, Tagging, Geo-Coding, Archiving, Sharing, and Streaming of Digital Artifacts, Objects, and Content. Provisional Patent submitted to the University of Hawai'i Office of Technology Transfer and Economic Development. ([Paper](#)) ([Conceptual Diagram](#))

[PP.02] Vatrapu, R., Suthers, D., & Joseph, S. (2008). Shared Experiments: Real-Time Realistic Social Sharing of Experiences and Environments . Provisional Patent submitted to the University of Hawai'i Office of Technology Transfer and Economic Development. ([Paper](#)) ([Conceptual Diagram](#))

[PP.01] Vatrapu, R., & Joseph, S. (2008). Songs+Spaces: A Space Indexed Song Selector, Mapper, and Visualizer. Provisional Patent submitted to the University of Hawai'i Office of Technology Transfer and Economic Development. ([Paper](#))

Doctoral Consortia

[DC.01] Vatrapu, R. (2005). Cross-Cultural Effects and Affects in Asynchronous Learning Networks. Paper presented at the Doctoral Consortium of Computer Supported Collaborative Learning (CSCL 2005), Taipei, Taiwan. ([Paper](#))

Thesis and Dissertation

[TD.02] Vatrapu, R. (2007). Technological Intersubjectivity and Appropriation of Affordances in Computer Supported Collaboration. Doctoral Dissertation, University of Hawai'i, USA. ([Slides](#)) ([PDF](#))

[TD.01] Vatrapu, R. (2002). Culture and International Usability Testing: The Effects of Culture in Interviews.

Master's Thesis, Virginia Tech, Blacksburg, USA. ([Slides](#)) ([PDF](#))

Manuscripts Under Preparation

Vatrapu, R. (in preparation). Explaining Culture: An Interactional Account of Information, Cognition, and Action.

Vatrapu, R. (in preparation). A Theory of Socio-Technical Affordances.

Vatrapu, R. (in preparation). On Technological Intersubjectivity.

Vatrapu, R., Suthers, D., & Brislin, R. (in preparation). An Experimental Study of the Contact Hypothesis in Computer Supported Intra- and Inter-Cultural Collaboration.

Vatrapu, R., & Suthers, D. (in preparation). Discourse Presence in Computer Supported Intra- and Inter-Cultural Collaborative Learning.

Robertson, S., Vatrapu, R., & Medina, R. (in preparation). The Social Life of Social Networks: Facebook Linkage Patterns in the 2008 U.S. Presidential Election.

Robertson, S., & Vatrapu, R. (in preparation). A Comparative Study of Electronic Voting Machines in India and the USA. Book Chapter under preparation for Reddick, C (ed). Comparative E-Government.

Le Pape, M., Vatrapu, R., & Suthers, D. (in preparation). HCI in Extreme Environments: An Experimental Study of Perceptual Style in Altered Gz Environments.