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Key-words

HCI Systems, Mobile HCI, Multimodal Interfaces, User Experience, Computer Networks

Education

M.I.M.S. (HCI focus), School of Information, University of California, Berkeley, 2012 (Expected).

Bachelor of Engineering, School of Information Technology, Netaji Subhas Institute of Technology, University of Delhi, 2007.

Employment

School of Computer Science, University of California, Berkeley, 2010-Present.
Graduate Student Instructor, User Interface Design and Development, Introduction to Computer Networks

Helsinki Institute for Information Technology, Helsinki, Finland, 2009-2010.
HCI Researcher, Ubiquitous Interaction Group

Kritikal Solutions Pvt. Ltd., New Delhi, India, 2007-2009.
Development Engineer, Embedded Systems

Industrial Technology Research Institute, Hsin-Chu, Taiwan, 2007.
Research Intern, Mobile Development

Publications

Journal Articles

Security in Mobile Ad-Hoc Networks Using Soft Encryption and Trust Based Multi-Path Routing, 2007, *Computer Communications Journal, Elsevier* ¹

Conference Proceedings

Engaging Spect-actors with Multimodal Digital Puppetry *6th Nordic Conference on Human-Computer Interaction (NordiCHI 2010)*

Demo: Exploration of Affective Interaction Between a Group and a Puppet, 2009, *11th ACM International Conference on Ubiquitous Computing*

An Energy-Aware Routing Protocol for Ad-Hoc Networks Based on the Foraging Behavior in Ant Swarms, 2009, *IEEE International Conference on Communications*

Message security in mobile ad-hoc networks using trust assignment and multi-path routing, 2007, *International Conference on Computer Engineering and Systems (ICCES'07)*²

Book Chapters

Evolutionary Computing Approach for Wireless Ad-Hoc Networks, 2007 *Encyclopedia of Artificial Intelligence, Information Science Reference* ³

Swarm Intelligence Approach for Wireless Ad-Hoc Networks 2007. *Encyclopedia of Artificial Intelligence, Information Science Reference* ⁴

Volunteer Work

Co-President

Information Management Student Association, 2010-Present.

Content Development for HCI Track.

Infocamp Berkeley 2011.

Student Volunteer.

International Conference on Pervasive Computing 2010, Helsinki, Finland.

Last updated: February 6, 2011

<http://www.hiit.fi/u/narula/files/Resume.pdf>

⁴First Author