

The Seventeenth Annual ACM Symposium on User Interface Software and Technology

UIST is the premier forum for innovations in the software and technology of human-computer interfaces. Sponsored by ACM's special interest groups on computer-human interaction (SIGCHI) and computer graphics (SIGGRAPH), UIST brings together researchers and practitioners from diverse areas that include traditional graphical & web user interfaces, tangible & ubiquitous computing, virtual & augmented reality, multimedia, new input & output devices, and CSCW. The intimate size, the single track, and the comfortable surroundings make this symposium an ideal opportunity to exchange research results and implementation experiences.

Interactive Surfaces	Video-based Document Tracking: Unifying Your Physical and Electronic Desktops <i>J. Kim, S. Seitz, M. Agrawala</i> Who Cares? Reflecting Who is Reading What on Distributed Community Bulletin Boards <i>T. Yamada, J. Shingu, E. Churchill, L. Nelson, J. Helfman, P. Murphy</i> Visual Tracking of Bare Fingers for Interactive Surfaces <i>J. Letessier, F. Bérard</i> Automatic Projector Calibration with Embedded Light Sensors <i>J. Lee, P. Dietz, D. Maynes-Aminzade, R. Raskar, S. Hudson</i>
Manipulating Space	Achieving Higher Magnification in Context <i>S. Carpendale, J. Light, E. Pattison</i> Multi-finger Gestural Interaction with 3-D Volumetric Displays <i>T. Grossman, D. Wigdor, R. Balakrishnan</i> Collapse-to-zoom: Viewing Web Pages on Small Screen Devices by Interactively Removing Irrelevant Content <i>P. Baudisch, X. Xie, C. Wang, W. Ma</i> The IBar: A Perspective-based Camera Widget <i>C. Grimm, K. Singh, N. Sudarsanam</i>
Gestures	Simple vs. Compound Mark Hierarchical Marking Menus <i>S. Zhao, R. Balakrishnan</i> SHARK2: A Large Vocabulary Shorthand Writing System for Pen-based Computers <i>P. Kristensson, S. Zhai</i> The Radial Scroll Tool: Scrolling Support for Stylus or Touch-based Document Interaction <i>G. Smith, m. c. schraefel</i> Navigating Documents with the Virtual Scroll Ring <i>T. Moscovich, J. Hughes</i>
Speech In, X out	An Optimization-based Approach to Dynamic Data Content Selection in Intelligent Multimedia Interfaces <i>M. Zhou, V. Aggarwal</i> Augmenting Conversations Using Dual-purpose Speech <i>K. Lyons, C. Skeels, T. Starner, C. Snoeck, B. Wong, D. Ashbrook</i>
Pens & Sketching	CrossY: A Crossing-based Drawing Application <i>G. Apitz, F. Guimbretière</i> Hierarchical Parsing and Recognition of Hand-Sketched Diagrams <i>L. Kara, T. Stabovich</i> SketchREAD: A Multi-domain Sketch Recognition Engine <i>C. Alvarado, R. Davis</i>
Document Interaction	ScreenCrayons: Annotating Anything <i>D. Olsen, T. Tauber, J. Fails</i> Clip, Connect, Clone: Combining Application Elements to Build Custom Interfaces for Information Access <i>J. Fujima, A. Lunzer, K. Hornbæk, Y. Tanaka</i> Citrine: Providing Intelligent Copy and Paste <i>J. Stylos, B. Myers, A. Faulring</i> Interacting with Hidden Content Using Content-aware Free-space Transparency <i>E. Ishak, S. Feiner</i> Combining Crossing-based and Paper-based Interaction Paradigms for Dragging and Dropping Between Overlapping Windows <i>P. Dragicevic</i>
Toolkits	The MaggLite Post-WIMP Toolkit: Draw It, Connect It and Run It <i>S. Huot, C. Dumas, P. Dragicevic, J. Fekete, G. Hegron</i> A Toolkit for Managing User Attention in Peripheral Displays <i>T. Matthews, A. Dey, J. Mankoff, S. Carter, T. Rattenbury</i> Revisiting Visual Interface Programming: Creating GUI Tools for Designers and Programmers <i>S. Chatty, S. Sire, J. Vinot, P. Lecoanet, A. Lemort, C. Mertz</i>
Tools	DART: A Toolkit for Rapid Design Exploration of Augmented Reality Experiences <i>B. MacIntyre, M. Gandy, S. Dow, J. Bolter</i> An Explanation-based, Visual Debugger for One-way Constraints <i>B. Vander Zanden, D. Baker, J. Jin</i> Topiary: A Tool for Prototyping Location-enhanced Applications <i>Y. Li, J. Hong, J. Landay</i>
Wacky Hardware	Tangible NURBS-curve Manipulation Techniques Using Graspable Handles on a Large Display <i>S. Bae, T. Kobayashi, R. Kijima, W. Kim</i> "Killer App" of Wearable Computing: Wireless Force Sensing Body Protectors for Martial Arts <i>E. Chi, J. Song, G. Corbin</i> Using Light Emitting Diode Arrays as Touch-sensitive Input and Output Devices <i>S. Hudson</i> Haptic Pen: A Tactile Feedback Stylus for Touch Screens <i>J. Lee, P. Dietz, D. Leigh, W. Yerazumis, S. Hudson</i>
Large Public Displays	Interactive Public Ambient Displays: Transitioning from Implicit to Explicit, Public to Personal, Interaction with Multiple Users <i>D. Vogel, R. Balakrishnan</i> C-Blink: A Hue-difference-based Light Signal Marker for Large Screen Interaction via Any Mobile Terminal <i>K. Miyaoku, S. Higashino, Y. Tonomura</i> A Remote Control Interface for Large Displays <i>A. Khan, G. Fitzmaurice, D. Almeida, N. Burtnyk, G. Kurtenbach</i> A Gesture-based Authentication Scheme for Untrusted Public Terminals <i>S. Patel, J. Pierce, G. Abowd</i>