

Teaser Session	Poster #	Demo #	Program Page	Poster or Demo Title
1	105		331	Haptic Rendering of Dense 3D Point Cloud Data
	123		339	Design and Validation of an Epidural Needle Insertion Simulator with Haptic Feedback for Training Resident Anaesthesiologists
	135		507	Composing vibrotactile music: A multi-sensory experience with the Emoti-Chair
	137	D15	347	Handheld Haptic Interface with Visual Display for Touching Remote Objects
	138		515	Human-operated 3D micro-manipulator with haptic feedback
	147		353	Presentation of Thermal Sensation through Preliminary Adjustment of Adapting Skin Temperature
	153		357	Haptic Visualization of Bathymetric Data
	159		261	Experimentally Driven Design of a Palpating Gripper with Minimally Invasive Surgery Considerations
	207		267	Physically Co-Located Haptic Interaction with 3D Displays
	213		363	Design of a Forearm-Mounted Directional Skin Stretch Device
	222		273	Evaluation of Active Handrest Performance using Labyrinths with Adaptive Admittance Control and Virtual Fixtures
	231		369	Signal Processing Techniques for Haptic Data Compression in Teleoperation Systems
	240		521	Haptics using a smart material for eyes free interaction in mobile devices
	246	D48	525	HALO: Haptic Alerts for Low-hanging Obstacles in White Cane Navigation
	247	D01	375	Constraint-Based Haptic Rendering of Point Data for Teleoperated Robot Grasping
		D03		Authoring High Resolution Haptic Feedback on Touchpads
		D09		"Haptinoid": bilateral tactile interaction with avatar through haptic gestures
		D12		Mediated Tactile Interaction
		D16		Transparent electrodes for electro-tactile display
		D18		ETHZ Haptic Paddle – Physical Student-Robot Interaction
		D21		A Vibrotactile Exergame Interface to Enable Spatial Perception for the Visually Impaired
		D24		VerroTeach: Visuo-audio-haptic Training for Dental Caries Detection
		D27		High Time Response Thermal Display Unit using Spatially Distributed Warm and Cold Stimuli
		D30		TECHTILE toolkit
		D33		Skin Stretch Feedback Enabled Gaming Devices and Virtual Environments
	D39		Lateral-force-based 2.5-dimensional tactile display for touch screen	
	D45		A Model of Haptic-integrated Pronunciation Instruction	
2	118		279	Improvement of collaborative selection in 3D complex environments
	129	D28	531	Online Re-Mesh and Multi-Rate Deformation Simulation by GPU for Haptic Interaction with Large Scale Elastic Objects
	133		287	The role of visual-haptic discrepancy in virtual reality environments
	142	D37	383	Refined Methods for Creating Realistic Haptic Virtual Textures from Tool-Mediated Contact Acceleration Data
	166		295	Guidance Methods for Bimanual Timing Tasks
	167	D31	391	Tactile-Based Torque Illusion Controlled by Strain Distribution on Multi-finger Contact
	173	D43	397	Handwriting Transmission System Using Noncontact Tactile Display
	175		401	Parametric Design of An Excitation Pattern for Smooth Vibrotactile Flow on Thin Plates
	181		405	ActivePaD Surface Haptic Device
	205		413	On the Performance of Passivity-based Control of Haptic Displays Employing Levant's Differentiator for Velocity Estimation
	212	D07	419	Illusory perception of arm movement induced by visuo-proprioceptive sensory stimulation and controlled by motor imagery
	239	D40	423	Haptic Footstep Display
	244		429	An Adaptive System Model of Human Precision Grip
	253		299	The Effects of Incongruent Feedback on Bimanual Task Performance
	256		437	Effect of Artificial Skin Ridges on Embedded Tactile Sensors
		D04		Conductive Fur Sensing for a Gesture-Aware Furry Robot
		D08		Exploring Presentation Timing through Haptic Reminders
		D10		Foottager: touch panel mediated footprint massager
		D13		Second Generation Hand-Held Force Magnifier for Surgical Instruments
	D19		A Haptically Accurate Practice Carillon	



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2 (cont.)		D23		StrokeSleeve: Real-Time Vibrotactile Feedback for Motion Guidance	
		D25		A Biofidelic CPR Manikin With Programmable Pneumatic Damping	
		D29		A Haptic Display for the Configuration of a Virtual Prosthetic Hand	
		D32		Programmable Friction in Scrolling Interactions	
		D34		Tactile Suppression of Displacement Device	
		D46		The Haptic Creature as a platform to study emotional touch and an application in anxiety therapy	
		D49		Vibrotactile Pose Guidance with HAPI Bands: A Haptic Augmented Posture Interface	
3	104	D44	441	TWuiST: A Discrete Tactile-Proprioceptive Display for Eye and Ear Free Output on Mobile Devices	
	119		449	Haptic Interface with Hybrid Actuator for Virtual Needle Insertion and Tissue Cutting	
	124	D11	539	A Framework for Enhancing Video Viewing Experience with Haptic Effects of Motion	
	125		305	Audio-Haptic intermodal coupling for comparative search tasks	
	140		455	Measuring Surface Wave Propagation During Vibrotactile Stimulation	
	182	D22	545	Lock Picking Simulation Using Visual and Bimanual Haptic Display	
	186	D38	313	User Performance in Complex Bi-manual Haptic Manipulation with 3 DOFs vs. 6 DOFs	
	197		551	Application of Haptic Feedback to a Combobot	
	204		557	Using Publicly Known Passwords with Haptics and Biometrics User Verification	
	208	D47	461	Haptic Actuator Design Parameters That Influence Affect and Attention	
	223	D17	469	Mobile Implementation and User Evaluation of the Huggy Pajama System	
	224	D41	477	Shape Modeling of Soft Real Objects Using Force-Feedback Haptic Interface	
	226	D14	483	Design of a transparent tactile stimulator	
	230		489	H_2 Controller Design of Networked Bilateral Teleoperation System with Markovian Time Delays	
	233		321	Feasible Wrench Space and its Estimation for Isometric Haptic Interaction	
	242		495	Haptic Object Recognition for Multi-Fingered Robot Hands	
	245		561	Evaluation of a Parallel Actuation Approach for MR-Compatible Haptics	
	249		501	Experimental evaluation of a projection-based force reflection algorithm for haptic interfaces	
	261		327	Contact Force Profiles Differ by Age During Tactile Letter Recognition with the Fingertip	
	267		569	Physical mobile interaction with kinesthetic feedback	
			D02		The Haptic Lotus – Haptics for Cultural Experience
			D05		Simple Haptics, sketching tools for haptic interaction design
			D20		Sensors: towards multisensory tabletop objects
		D26		Haptic Vibration Feedback for a Teleoperated Ground Vehicle	
		D35		Smart Haptic Chair	
		D36		Simon game with data-driven visuo-audio-haptic Buttons	

**Notes:**

- 1 In voting for the best teaser please list the POSTER # or DEMO #, not the program page number.
- 2 If a poster also has a demo, please list the POSTER #.
- 3 Posters and demos presented in Teaser Session 1 will be available during Poster/Demo Sessions 1 and 2
- 4 Posters and demos presented in Teaser Session 2 will be available during Poster/Demo Sessions 2 and 3
- 5 Posters and demos presented in Teaser Session 3 will be available during Poster/Demo Sessions 3 and 4