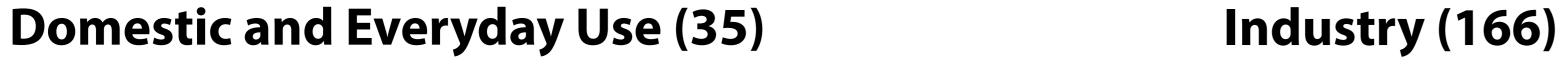


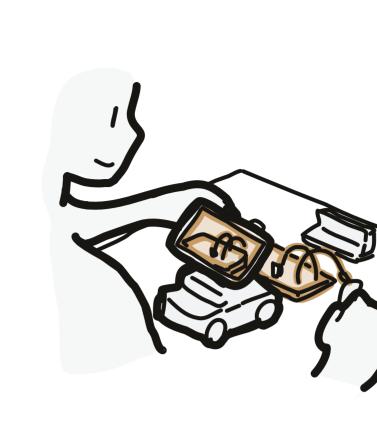
Household Task: authoring home automation [53, 111, 135, 163, 177, 191, 212, 228, 263, 387], item movement and de-livery [76, 108, 209, 265], multi-purpose table [430] Photography: drone photography [114, 171], Advertisement: mid-air advertisement [317, 382, 418, 475] Wearables Interactive Devices: haptic interaction [443], fog screens [418], head-worn projector for sharable AR scenes [168] Assistance and Companionship: elder care [65], personal assistant [239, 367, 368] Tour and Exhibition Guide: tour guide [295], museum exhibition guide [168, 368], guiding crowds [475], indoor building guide [89], museum interactive display [112]



Manufacturing: joint assembly [21, 30, 43, 138, 289], grasping and manipulation [[67, 79, 153, 185, 379], tutorial and simulation [52], welding [313] **Maintenance:** maintenance of robots [144, 252], remote repair [31, 48], performance monitoring [126, 128], setup and calibration [352], debugging [373] **Safety** and Inspection: nuclear detection [15], drone monitoring [76, 114, 171, 482], safety feature [44, 66, 104, 379, 385], ground monitoring [211, 269, 479] Automation and Tele**operation:** interactive programming interface [118, 131, 136, 177, 270, 288, 324, 496] Logistics: package delivery [265] Aerospace: surface exploration [54], teleoperated manipulator [310], spacecraft maintenance [470]



Games: interactive treasure protection game [350], pong-like game [346, 370], labyrinth game [258], tangible game [49, 178, 230], air hockey [91, 451], tank battle [90, 221], adventure game [55], role-play game [229], checker [242], domino [246], ball target throwing game [337], multiplayer game [115, 404], virtual playground [272] **Storytelling:** immersive storytelling [328, 369, 395, 415, 467] **Enhanced Display:** immersive gaming and digital media [431] **Music:** animated piano key press [472, 473], tangible tabletop music mixer [340] **Festivals:** festival greetings [382] **Aquarium:** robotic and virtual fish [240]

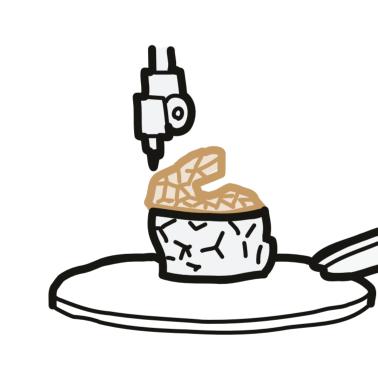


Education and Training (22) Remote Teaching: remote live instruction

[445] **Training:** military training for working with robot teammates [199], piano instruction [472, 473], robotic environment setup [142], robot assembly guide [18], driving review [11], posture analysis and correction [183, 437] **Tangible Learning:** group activity [275, 328, 337, 408, 467], programming education [416]

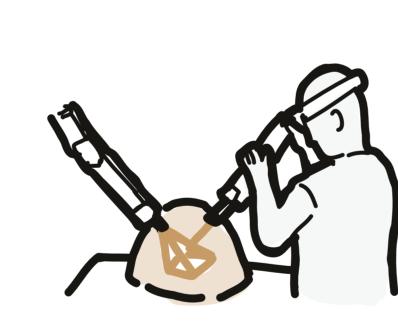


Human-Robot Social Interaction: reaction to human behaviors [93, 108, 414], cartoon art expression [377, 481], human-like robot head [14], co-eating [134], trust building [141], task assignment [439, 440] Robot-Assisted Social Interaction: projected text message conversations [382] Inter-Robot Interaction: human-like robot interaction [107]



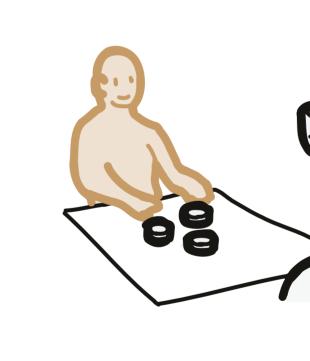
Design and Creativity Tasks (11)

Fabrication: augmented 3D printer [476],interactive 3D modelling [341], augmented laser cutter [304], design simulation [52] **Design Tools:** circuit design guide [445], robotic debugging interface [145], design and annotation tool [96], augmenting physical 3D objects [210] **Theatre:** children's play [10]



Medical and Health (36)

Medical Assistance: robotic-assisted surgery [13, 82, 84, 85, 125, 181, 290, 354, 355, 460], doctors doing hospital rounds [228] Accessibility: robotic prostheses [86, 136] Rehabilitation: autism rehabilitation [29], walking support [334]

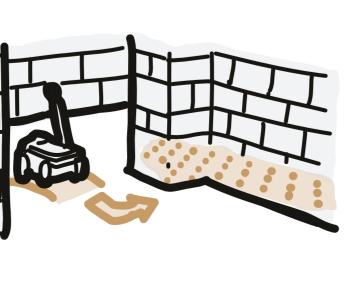


Remote Collaboration (6)

Remote Physical Synchronization: physical manipulation by virtual avatar [242] Avatar Enhancement: life-sized avatar [197], floating avatar [436, 475], life-sized avatar and surrounding objects [189] Human-like Embodiment: traffic police [149]

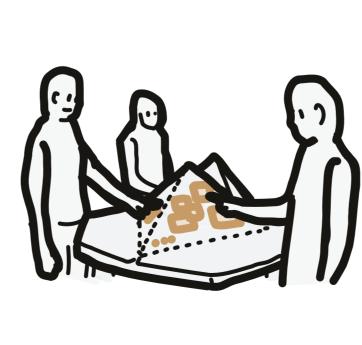
Mobility and Transportation (12)

Human-Vehicle Interaction: projected guidance [2, 7], interaction with pedestrians [64, 320], display for passengers [223] Augmented Wheelchair: projecting intentions [458], displaying virtual hands to convey intentions [300], self-navigating wheelchair [314], assistive features [495] Navigation: tangible 3D map [258], automobile navigation [438]



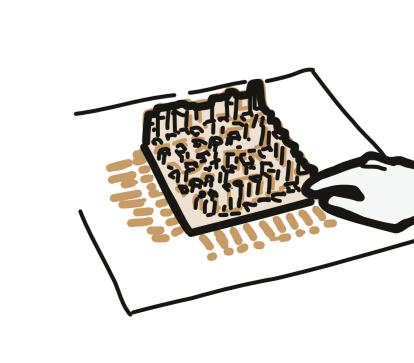
Search and Rescue (35)

Ground Search: collaborative ground search [363], target detection and notification [211, 241, 266, 269, 305, 361, 468, 479], teleoperated ground search [54, 102, 267, 417, 469, 483, 486] **Aerial Search:** drone-assisted search and rescue [114, 332, 482], target detection and highlight [464]



Workspace (9)

Adaptive Workspaces: individual and collaborative workspace transformation [159, 430, 431] Supporting Workers: reducing workload for industrial robot programmers [407], mobile presentation [168, 257, 338], multitasking with reduced head turns [38], virtual object manipulation [357]



Data Physicalization (12)

Physical Data Encoding: physical bar charts [167, 429], embedded physical 3D bar charts [425] Scientific Physicalization: mathematical visualization [127, 243], terrain visualization [116, 117, 243, 245, 308], medical data visualization [243] Physicalizing Digial Content: handheld shape-changing display [258, 374]