

Recomendados Ene-Mar 2023. Social Robot							
No	Título	Año	Autor(es)	Afiliación	Abstract	Palabras clave	Link de descarga
1	Clarifying Social Robot Expectation Discrepancy: Developing a Framework for Understanding How Users Form Expectations of Social Robots	2023	James M. Berzuk	University of Manitoba	When engaging with a social robot, people form expectations about the robot that may not align with its real behaviour and abilities. This gap is known as expectation discrepancy, and can confuse and	Human-robot interaction	<a href="https://dl.acm.org/">https://dl.acm.org/</a>
			James E. Young	University of Manitoba		Social robots	
						Expectation discrepancy	
						Framework	
2	Social Robots in Secondary Education: Can Robots Assist Young Adult Learners with Math Learning?	2023	Aurea Bravo Perucho	Tilburg University	Social robots have been extensively studied in educational settings for children and their positive impacts on children's learning are reported. The aim of this study was to find out whether embodied educational	Social robots	<a href="https://dl.acm.org/">https://dl.acm.org/</a>
			Maryam Alimardani	Tilburg University		Secondary education	
						Human-robot interaction	
						Educational technology	
3	Social Robots Privacy Enhancement Using Colored Petri Net (CPN) for Behavior Modeling: A Case Study of Asus Zenbo Robot	2023	Benjamin Yankson	University at Albany	The interactions between a social robot and the user consist of continuous communication and behavior involving different data types that can be subject to cybersecurity attacks and prone to user	Privacy,	<a href="https://papers.acad">https://papers.acad</a>
			Farkhund Iqbal	Zayed University		Coloured Petri Nets	
			Fadya AlMaeen			Modelling	
						Security	
4	Enhancing Human-Robot Collaboration Transportation through Obstacle-Aware Vibrotactile Feedback	2023	Doganay Sirtintuna	Istituto Italiano di Tecnolo	Transporting large and heavy objects can benefit from Human-Robot Collaboration (HRC), increasing the contribution of robots to our daily tasks and reducing the risk of injuries to the human operator. This	Computer science	<a href="https://scholar.goog">https://scholar.goog</a>
			Idil Ozdamar	Istituto Italiano di Tecnolo		Robotics	
			Juan M. Gandarias	Istituto Italiano di Tecnolo			
			Arash Ajoudani	Istituto Italiano di Tecnolo			
5	A VR based Mobile Usability Lab to study multi modal Human Robot Communication	2022	Stefan Friesen	Fulda University of Applied	In this paper we describe the development of a VR-based mobile usability lab to study multi modal human robot interaction. Our work is part of a 3 years multi party project, that targets the development of the CityBot,	VR technology	<a href="https://scholar.goog">https://scholar.goog</a>
			Tabea Runzheimer	Fulda University of Applied		Multi modal	
			Rainer Blum	Fulda University of Applied		Human robot interaction	
			Jan-Torsten Milde	Fulda University of Applied		Mobile autonomous robot	
6	A Trust-Assist Framework for Human-Robot Co-Carry Tasks	2023	Corey Hannum	Montclair State University	Robots are increasingly being employed for diverse applications where they must work and coexist with humans. The trust in human-robot collaboration (HRC) is a critical aspect of any shared-task	Robotics	<a href="https://www.mdpi.c">https://www.mdpi.c</a>
			Rui Li	Montclair State University		Trust-assist framework	
			Weitian Wang	Montclair State University		Collaborative tasks	
						Optical flow	
7	Efficient Reachable Workspace Division under Concurrent Task for Human-Robot Collaboration Systems	2023	Yuan Liu	Tianjin University	Division of the reachable workspace of upper limbs under different visual and physical conditions, finding the efficient reachable area under concurrent task conditions, and using it as a basis to divide	Concurrent task	<a href="https://scholar.goog">https://scholar.goog</a>
			Wenxuan Zhang	Tianjin University		Efficiently	
			Qian Cheng	Tianjin University		Human-robot collaboration	
			Dong Ming	Tianjin University		Upper limb	
8	PREDICTOR: A Physical emulatoR enabling safEty anD ergonomiCs evaluation and Training of physical human-robot collaboRation	2023	Carl Emil Sunesson	University of Southern De	Safety and ergonomics of Physical HumanRobot Collaboration (PHRC) are crucial to make humanrobot collaborative systems trustworthy and make a significant impact in realworld applications. One big	Physical humanrobot collab	<a href="https://www.proqu">https://www.proqu</a>
			Daniel Tofte Schøn	University of Southern De		Physical emulator	
			Christopher Nybo Ploug Hass	University of Southern De		Safety and ergonomics eval	
			Francesco Chinello	Aarhus University		Training	
	Cheng Fang	University of Southern De	Haptic interface				

9	Multimodal Multi-User Mixed Reality Human-Robot Interface for Remote Operations in Hazardous Environments	2023	Krzysztof Adam Szczurek	European Organization for	In hazardous environments, where conditions present risks for humans, the maintenance and interventions are often done with teleoperated remote systems or mobile robotic manipulators to avoid human exposure to dangers. The increasing	Mobile robots	<a href="https://ieeexplore.i">https://ieeexplore.i</a>
			Raul Marin Prades	Jaume I University of Cast		Collision avoidance	
			Eloise Matheson	European Organization for		Robot sensing systems	
			Jose Rodriguez-Nogueira	European Organization for		Augmented reality	
			Mario Di Castro	European Organization for		Three-dimensional displays	
						Human factors	