

Social and Assistance Robotics

towards an independent life

technical session

May 4th 2022

10:00 h - 18:00 h

Parque Científico de la Uva (CTTA Building)

Miguel Delibes Campus

Paseo de Belén 9A. 47011 Valladolid, Spain

SCHEDULE

MORNING SESSION

10:00 AM

Welcome and Presentation of the
Technical Session

Mr. Carlos Raúl de Pablos Pérez, Social Services
Manager at the Family and Equal Opportunities
Council, Junta de Castilla y León (Regional
Government)

Pablo Gómez, Clúster SIVI's President.

Eduardo Zalama Casanova

*Eduardo Zalama Casanova, Professor at the Systems
Engineering and Automation Department, School of
Industrial Engineering, University of Valladolid.*

Host:



**Hybrid session, online and offline (both speakers
and attendees)**

National and international participation

GOALS

- Getting a clear vision of the state-of-the-art of robotics towards an independent living
- Identifying usage barriers and facilitators
- Opportunities to improve people's quality of life
- Regional economic development opportunities for the global market (involving regional robotics' startups or developers)

10:30 AM

Inspirational opening talk “The robotic future”

Opportunities for social / care robotics to improve quality of life and personal autonomy.

Béatrice Bouchot

Senior expert, Innovation and Robots Technologies Atos B&PS. She works in the innovation lab based in Grenoble, France. She worked in Human Machine Interfaces and UX design before joining the Innovation Lab and working on conversational experiences and social robotics. She is also a member of the Atos community of worldwide experts in this field.

11:00 AM

Conversational #Robotics Experience

Work experience in the field of conversational robotics. News on research and development applied to the social sector. Barriers and facilitators. Future prospects.

Gabriel Skantze

Professor in Communication and Speech Technology, specializing in Conversational Systems, at the Department of Speech, Music and Hearing at KTH (Royal Institute of Technology) in Stockholm.

11:30 AM

Applied experiences #Robotics

Round table: experience in research and technological developments on applied robotics.



12:30 h Coffee break

Host:



1:00 PM

Assistance #Robotics experiences

Work experience in the field of assistive robotics. Current research and development applied to the healthcare field (neurological rehabilitation, physical mobility-autonomy support, etc.). Barriers and facilitators. Future prospects.

José Luis Pons

Researcher at the Shirley Ryan AbilityLab in Chicago. President of WeRob (International Symposium on Wearable Robotics). Industrial Engineer from the University of Navarra (1992). He directed the Neuro-Rehabilitation Group at the Center for Automation and Robotics of the CSIC, where research is carried out in the field of technology at the service of physical rehabilitation and the functional assessment of neurological disorders.

1:30 PM

#Robotics experience co-designed with elderly people

Work experience in human participation in the design of social/assistive robotics technology. Barriers and facilitators. Future prospects.

Anastasia K. Ostrowski

Researcher in the Personal Robots Group of the MIT Media Lab People. It contributes to exploring voice agents and their use in contexts such as the home and co-designing social robots with older people. Works to promote human participation in technology design.

2:00 PM

Opportunities for the development of social and care robotics in Spain/Europe

Enrique Pelayo

PHD in Industrial Engineering in Electronic Technologies, University of Zaragoza. National Point of Contact H2020 at the Center for Industrial Technological Development CDTI. Expert adviser on participation at the ICT line and technical evaluator of R&D projects of all kinds of technologies and sectors such as robotics (including ROVs and AUVs).

EVENING SESSION

2:30 PM

Networking Lunch

APPLICATION DEMOS

4:30 PM

Experiences on Ethical #implications of human-robot interaction

Work experience about the ethical implications of social robots usage. Ethical and moral challenges related to its design and deployment.

Anshu Saxena Arora

Associate Professor – Marketing, School of Business and Public Administration University of the District of Columbia, Washington, D.C., USA. Researcher on three active grants from the National Science Foundation (NSF) related to social-educational robotics. Researching on human-robot interaction (HRI) experiences, robotic interventions for students and individuals diagnosed with autism spectrum disorder and other cognitive/learning disabilities, and socio-ethical collaborative robotics.



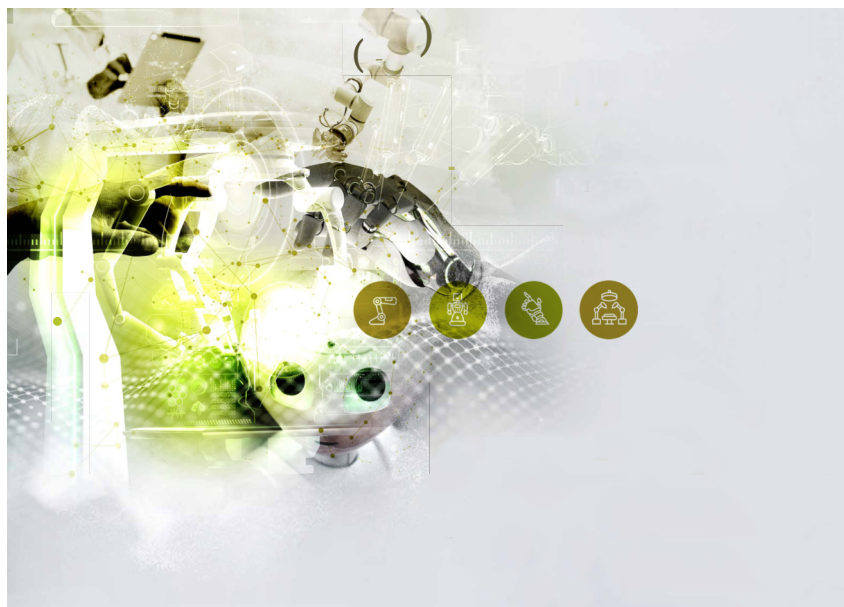
LOCATION AND ACCESS



Coord.: +41° 39' 52.81", -4° 42' 14.65"

PRIVATE VEHICLE: Please press the *Science Park* button from the car park at the UVainnova R&D Building before the barrier. Or press the CTTA button at the entrance to the Cardenal Mendoza University Apartments. Entrance is free in all cases.

PUBLIC TRANSPORT (BUS): Line 8 (Parquesol-Belén) last stop is at the Miguel Delibes Campus..



Host:

