Phil_AI Lab

PHILOSOPHY OF LANGUAGE
LINGUISTICS SEMIOTICS
ARTIFICIAL INTELLIGENCE

La Babele dei Golem

Conversazioni su
linguaggi umani e IA

Martedì 3 dicembre h 15.30
Centro interdipartimentale Urban/Eco
Università di Napoli «Federico II»
via Tarsia 31, Napoli

Silvia Rossi

Professoressa ordinaria di Informatica
Dipartimento di Ingegneria Elettrica e Tecnologie
dell'informazione
Università di Napoli «Federico II»

Direttrice scientifica PRISCA Lab – Projects of Intelligent Robotics
and Advanced Cognitive Systems – https://www.prisca.unina.it

AI and Enabling Technologies for Social Robots

Some applications of robots within domestic and working environments are expected to become a significant part of our lives in the not-too-distant future. In the last decade, the service robotics community has focused on developing skills and capabilities to enable robots to autonomously perform tasks on behalf of users and simulate human-like intelligence in machines. Nowadays, robots can plan, navigate, manipulate objects, and reason about the properties of their environment. In this talk, I will discuss how AI is contributing to the development of such effective robots. I'll particularly focus on socially assistive robots (SAR), which are designed to interact with people naturally and personally through verbal, non-verbal, or affective modalities, with the main purpose of improving the standard of living in modern society through social interactions. I will discuss open challenges related to the adoption of such technology in real-home environments, such as the possibility of obtaining continuous situational awareness from ambient devices, the cost-effectiveness of the proposed solutions, the flexibility in personalization of robot plans and actions, as well as their acceptance in everyday life. The possible trade-offs between the robot's performance in accomplishing its goals and consideration of the social environment, in terms of human safety, acceptability, legibility, transparency, and trust, will play a central role in the mature development of service and personal robots and favor a significant social impact.

Introducono e moderano

LABSIL

FILOMENA DIODATO
filomena.diodato@uniroma1.it

FRANCO CUTUGNO
cutugno@unina.it

Urban/Eco

Phil_AI Lab

Comitato scientifico: Federico Albano Leoni, Marina De Palo, Franco Cutugno, Filomena Diodato
Comitato organizzativo: LabSil Sapienza: Flaminia Carocci, Claudia Cicerchia, Sara Dellino, Edoardo Moré,
Federica Ruggiero, Nicola Sighinolfi, Francesco Verde – Urban/ECO: Loredana Schettino, Norman Vitale

zoom
https://uniroma1.zoom.us/j/88081003648?pwd=fK3obDsDhM2w4iuEGnmBXUITRZ7wLg.1

Sullo sfondo Éidola#40 gentilmente concessa da Damiano Errico