

INVITED TALK: Modeling Socio-Emotional Humanoid Agent

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Abstract

In this talk, I will present our current work toward endowing virtual agents with socio-emotional capabilities. I will start describing an interactive system of an agent dialoging with human users in an emotionally colored manner. Through its behaviors, the agent can sustain a conversation as well as show various attitudes and levels of engagement. I will present our latest work on laughter. I will address several issues such as: how to animate laughter in a virtual agent looking particularly at rhythmic movements; how to laugh with human participant and how laughing agent is perceived.

Bio

Catherine Pelachaud is a Director of Research at CNRS in the laboratory LTCL, TELECOM ParisTech. Her research interest includes embodied conversational agent, nonverbal communication (face, gaze, and gesture), expressive behaviors and socio-emotional agents. She is associate editor of several journals among which IEEE Transactions on Affective Computing, ACM Transactions on Interactive Intelligent Systems and Journal on Multimodal User Interfaces. She has co-edited several books on virtual agents and emotion-oriented systems.