

# Robotics and Performing Arts: Reciprocal influences

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## Abstract

This full-day workshop intends to investigate the relationships between the world of performance art, including theatre and dance, and that of robotic technologies, focusing on their reciprocal influences and how such influences can benefit both fields. The workshop will be highly interdisciplinary, bringing together well-known roboticists active in the artworld, artists, and robotics companies operating in the art and entertainment fields, in order to exchange ideas, practices and experiences on the key scientific, technological and artistic aspects. Among the topics that will be explored during the workshop is how the interaction between robotics and theatre can lead to the generation of new artform, impact innovation and creativity in both the engineering and artistic fields, and provide new possibilities for the emergence of new markets.

The workshop will be divided into three main sessions.

1. Oral session: consisting of invited talks and selected contributions from call of paper.
2. Video/live performance session: participants are invited to present videos or short live performances that document the reciprocal influences between robotics and art.
3. Round table: a highly interactive discussion among the workshop participants and the audience.