Michael McCrea and Robert Twomey receive Best Paper Award at SIGGRAPH 2017, publish in special edition of Leonardo.

Submitted by Michael T. Mccrea on July 20, 2017 - 2:03pm

Michael McCrea and Robert Twomey will present their paper “Transforming the Commonplace Through Machine Perception: Light Field Synthesis and Audio Feature Extraction in the Rover Project” at SIGGRAPH 2017 in Los Angeles on August 1. They have received the Best Paper Award in the Art Papers category.


From the Abstract:

Rover is a mechatronic imaging device inserted into quotidian space, transforming the sights and sounds of the everyday through its peculiar modes of machine perception. Using computational light field photography and machine listening it creates a kind of cinema following the logic of dreams: suspended but mobile, familiar yet infinitely variable in detail. Rover draws on diverse traditions of robotic exploration, landscape and still life depiction, and audio field recording to create a hybrid form between photography and cinema. This paper describes the mechatronic, machine perception, and audio-visual synthesis techniques developed for the piece.

Here is an overview of the Art Papers to be presented:

About SIGGRAPH's Art Papers Program

The Art Papers Program at SIGGRAPH2017 investigate the roles of artists and the methods of art-making in an increasingly global, networked, and technologically mediated world. Art Papers contribute to our understanding of the history of art, inform contemporary artistic and critical practices, and anticipate and stimulate future trajectories.

This year, the Program explores the contributions of artists to the development of virtual and immersive experiences, bridging the digital-physical interface through engaging our embodiment within virtuality: the emergence of consumer VR and AR, how immersive experiences are shaping the cultural landscape, and their potential contributions to human creativity in art, entertainment, analytics, gaming, medicine, science, engineering, robotics, space exploration, communication, tourism, transportation, and cultural exchange. This theme is supplemented with invited talks by emerging-technologies luminaries and panels of experts from industry and the arts.

More information on the Art Papers program can be found here.
LOCATION & HOURS

Los Angeles Convention Center

Art Papers

Room 153
Tue, 1 Aug, 3:45-5:55 pm

Reception: Leonardo, Art Papers, and Art Gallery

Art Gallery, South Hall G
Tue, 1 Aug, 2-3:30 pm

People Involved:
Michael McCrea
Robert Twomey

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