

Oral Presentation

## [PRJ4]Projection Mapping and Lighting

Chair: Shinsuke Shikama (Setsunan Univ.)

Co-Chair: Petra Aswendt (ViALUX GmbH)

Fri. Nov 29, 2019 9:00 AM - 10:35 AM Room 108 (1F)

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9:20 AM - 9:40 AM

### [PRJ4-2(Invited)]Perceptual Appearance Control by Projection-Induced Illusion

\*Ryo Akiyama<sup>1</sup>, Goshiro Yamamoto<sup>2</sup>, Toshiyuki Amano<sup>3</sup>, Takafumi Taketomi<sup>1</sup>, Alexander Plopski<sup>1</sup>, Yuichiro Fujimoto<sup>1</sup>, Masayuki Kanbara<sup>1</sup>, Christian Sandor<sup>4</sup>, Hirokazu Kato<sup>1</sup> (1. Nara Institute of Science and Technology (Japan), 2. Kyoto University (Japan), 3. Wakayama University (Japan), 4. City University of Hong Kong (Hong Kong))

Keywords:projection, illusion, color constancy, augmented reality

When a projector displays images on real-world objects, result colors are affected by surface color and environmental light. Limited colors can be presented through projection because of these factors. We overcome this limitation by controlling projection color based on human perceived color.