

Oral Presentation

## [AIS1/INP2]Smart Society and Information Display

Chair: Katashi Nagao (Nagoya University)

Co-Chair: Toshiaki Fujii (Nagoya University)

Wed. Nov 27, 2019 3:20 PM - 4:35 PM Room 206 (2F)

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3:45 PM - 4:10 PM

## [AIS1/INP2-2(Invited)]Automated Vibrotactile Generation based on Texture Images or Material Attributes using GAN

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Keywords:Haptic display, Vibration design

We propose the vibrotactile feedback designing system using GAN-based vibrotactile signal generator. Our system generate signals presenting specific tactile impression based on user-defined parameters or images. User studies showed that it was not possible to distinguish between vibrations generated using this model and vibrations recorded from the actual material surface.