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► **To cite this version:**

Christian Frisson, Thomas Pietrzak, Siyan Zhao, Zachary Schwemler, Ali Israr. WebAudioHaptics: Tutorial on Haptics with Web Audio. Web Audio Conference (WAC), Apr 2016, Atlanta, United States. Web Audio Conference (WAC), 2016, Web Audio Conference (WAC). <<http://webaudio.gatech.edu>>. <hal-01429161>

HAL Id: hal-01429161

<https://hal.inria.fr/hal-01429161>

Submitted on 7 Jan 2017

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WebAudioHaptics: Tutorial on Haptics with Web Audio

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ABSTRACT

The Web Audio Haptics WAC Tutorial 2016 will explore how to create meaningful haptic content that engages different areas of the body using off-the-shelf hardware and open source software running on a web browser using Web Audio technologies. Participants will 1) learn the basic theories of tactile illusions; 2) get an overview on actuators and sensors; 3) explore tactile illusions using web-based audio tools and a box connecting actuators and sensors to their computer audio I/O; and 4) ideate use cases in groups. Tutorial material will remain available from: <http://github.com/WebAudioHaptics>



Pictures taken during the previous iteration of WebAudioHaptics: the Stereo Haptics workshop/studio at the Tenth ACM International Conference on Tangible, Embedded, and Embodied Interaction (TEI'16).



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Web Audio Conference WAC-2016, April 4–6, 2016, Atlanta, USA.
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