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**TITLE: The connected protected worker at the age of IoT**

**ABSTRACT:** Hearing Protection Devices (HPD) are widely used to protect workers against the risk of Noise-Induced Hearing Loss. IoT-enabled HPDs are being currently designed to monitor HPDs' effectiveness, workers' noise exposures and even record some biosignals, ultimately improving the protection, comfort and performance of workers of the future

**BIOSKETCH:**

Jérémie Voix leads the NSERC-EERS Industrial Research Chair in In-Ear Technologies (CRITIAS), working with a team of passionate and talented students and researchers on merging advanced hearing protection and communication-in-noise, together with in-ear sensing and brain-computer interfacing, to develop a truly "bionic ear" wearable device for industrial, military, consumer and medical markets. He has been awarded several prizes and distinctions over the years, including recently the Ordre des ingénieurs du Québec "Hommage reconnaissance pour contribution exceptionnelle" (2017) and the ÉTS Board of Director's "Prix d'excellence en recherche – Chercheur émergent" (2017) and the ICA Early Career Award by the International Commission for Acoustics (ICA) in 2019.