



CHALLENGE #18

UH-BMIoT-01

Brain-Machine Interface-of-Things (BMIoT)

Meet the expectations of this US Node through the technology challenge described below



GOALS

Non-invasive neural interfaces represent the ultimate form of human-machine interaction and a direct form of communication with virtual/digital and physical objects, machines and event avatars. The challenge is to develop ethical, technical and design guidelines for the future of BMIoT, including a proof-of-concept validation for consumers.

DETAILS

What is expected is a peer-reviewed publication, potential IP, a short video for dissemination, a testbed for proof-of-concept demonstration.

SKILLS REQUIRED

Neuro-engineering, design, humanities, human-computer interaction, programming, etc.