



IEEE BSN 2021

IEEE International Conference on Wearable and Implantable Body Sensor Networks

Virtual conference, 27 - 30 July 2021

IEEE BSN Workshop, 27 July 2021 (1300-1550h, CET; **0700-0935h EDT**)

Soldier Digital Phenotyping (Wearable Systems)

0700-0705 – Introduction (co-chairs, Karl Friedl and Reed Hoyt)¹

0705-0725 - **Advances in heat stroke warning signals: the wobble index**, Mark Buller¹

0725-0745 - **Oximetry in a headband: acute hypoxia monitoring**, Lauren Cantley²

0745-0805 - **Multimaterial functional fibers: acoustic detection of cardiorespiratory signals**, Yoel Fink³

0805-0815 – Discussion, co-chair Karl Friedl

0815-0820 BREAK

0820-0840 - **Metabolic fuel sensing: MyRQ**, Gary Shaw²

0840-0900 - **Emotional status measurement in austere environments**, Kristin Heaton¹

0900-0920 - **Neuropsychological status sensing for a virtual teammate**, Mohammad Soleymani⁴

0920-0935 – Wrap up and discussion, co-chair Reed Hoyt

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²Lincoln Laboratories/MIT, Lexington, Massachusetts

³Army Institute for Soldier Nanotechnologies/MIT, Boston, Massachusetts

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