

ABSTRACT

A modular sensor system comprising a plurality of modules, the plurality of modules comprising one or more sensors, one or more energy harvesters, one or more energy storage devices, one or more wireless radios, and one or more electronics devices, wherein the one or more energy harvesters comprise a photovoltaic cell; and one or more blind-mate connectors contained within each of the plurality of modules, wherein the one or more blind-mate connectors comprise an electrical connector to transmit power and/or data and configured to connect two modules of the plurality of modules together.