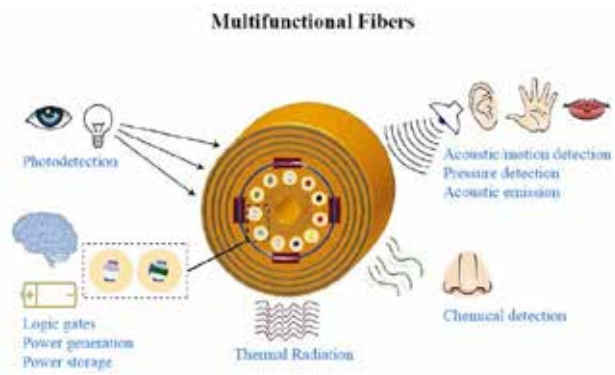


Technology Overview

- § It enables the seamless integration of multiple of functional components into one flexible fibre with precise control over nanometre-level architecture and composition
- § Allows an all-in-fibre solution, achieving multiple functionalities
- § The ability to see, hear, and sense their surroundings, communicate, store and convert energy, monitor health, control temperature, and many more



Technology Features

- § All-in-fiber solution to achieve multiple functionalities in a single flexible fiber
- § Lego-like template to enable the integration of many components in a single flexible fiber
- § Industry scale-up capability with kilometer length from one fabrication to achieve high production yield and low cost
- § Breathable for constructing multi-dimensional fabrics for wearable electronics
- § Washable and mechanical stable

Potential Applications

- § Wearable electronics, such as health and weight management, exercise and training management, thermal regulation and management, active cooling, etc.
- § Large-area sensing and monitoring, such as environmental sensing including optical sensing, sound sensing, temperature sensing, pressure sensing, gas and chemical sensing.
- § Energy generation from heat, motion, and light
- § Military and defense applications

Benefits

- § Access to the state-of-the-art research outcomes
- § Engage collaboration on product-driven research and development
- § High-tech consultation, including material, device, characterization and system

