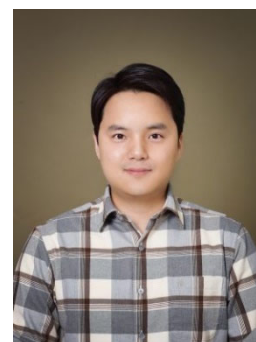


演題：**Functional Electrospun Nanofibers for Flexible Piezoelectric Nanogenerators and Lithium-ion batteries**

講師：**Prof. Seongpil An**
Sungkyunkwan University,
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日時：2024年10月24日（木）16:00~17:00

場所：工学部材料・化学系棟中会議室（MC102）

主催：北海道大学工学研究院フロンティア化学教育研究センター

共催：（一社）表面技術協会北海道支部

要旨：

Submicron nanoscale fiber technologies have transformed various engineering fields. These technologies, when combined with advanced nanomaterials, have led to innovation in the development of novel nanocomposites with enhanced thermal, electrical, and physicochemical properties. Over the years, various nanofiber-forming technologies have enabled engineers and scientists to advance their research, leading to numerous outstanding research results. In recent years, nanofiber-based techniques, particularly for energy harvesting and storage applications, have emerged as promising platforms in multidisciplinary engineering related to next-generation energy devices. In this presentation, I will highlight our research progress in the development of piezoelectric nanogenerators for energy harvesting and lithium-ion batteries for energy storage based on electrospinning technique and electrospun nanofibers. These nano-textured fiber technologies hold great potential for broad applications in energy-related engineering fields.

連絡先：工学研究院応用化学部門 幅崎 浩樹（内線：6575）

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