

講演会のお知らせ

Professor Hyo Jae Yoon
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“Molecular Thermoelectricity”

The field of molecular thermoelectricity focuses on the Seebeck effect occurring in electrode-molecule-electrode junction. The field is of fundamental interest to study structure-charge transport relationship at the atomic level and develop nanoscale thermoelectric devices. This presentation will discuss our recent efforts in molecular thermoelectricity. We have developed a new metrology technique for reliably measuring Seebeck coefficient over molecular monolayers. Using this technique, we have begun to probe how thermopower is related to the structure of molecule and how to enhance the thermoelectric performance of molecular-scale device in a quantum-tunneling regime.

日時：2023年6月26日（月） 15:30～17:00

場所：レクチャーシアター（西講義棟 1， WL1-301）

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