

演題：**Materials Science & Engineering in KAIST  
for Versatile Applications in Coming-Era**

講師：**Prof. Byungha Shin**

Department of Materials Science  
and Engineering,  
Korea Advanced Institute of  
Science and Technology (KAIST),  
Korea



日時：2024年6月21日 (Fri) 10:30~12:30

場所：工学研究院材料・化学系棟 MC208 講義室

要旨：The core of materials science and engineering is the understanding of how materials' structure and chemical make at the micro-, nano-, and atomic scale is related to their properties such as electrical, optical, mechanical, magnetic, and thermal behavior. Utilizing such relationships, new compounds, phases, micro- and nano- structures, and devices with novel properties, high-performance, and tuned functionalities are made. Our goal is to apply these new materials to various applications such as semiconductors, displays, energy materials, sensors, structural materials, and biomaterials. MSE also develops economical and efficient synthesis and production methods for manufacturing. In the coming era of globalization, our department will continue to strive towards internationalization, and interdisciplinary research and education. MSE will continue to contribute to the rapidly changing world that constantly requires innovation and breakthrough. It is a field of continuous growth and expansion, and one of the most exciting and challenging fields in engineering.

連絡先：工学研究院応用化学部門 青木芳尚（内線：6752）