

日本機械学会中国四国支部

## 国際技術講演会

日時：平成 29 年 7 月 25 日（火） 16:30～17:30

場所：広島大学 工学部 A1-111 会議室

（東広島市鏡山 1 - 4 - 1）

題目： The Application of Nano-Spheres and Nano-Patterned Substrates

講師：Prof. Chan, Chia-Hua（台湾：国立中央大学）

### 概要

The nano- or micro-spheres synthesized by chemical reactions have the advantages of uniform particle sizes and low cost, and are widely applied in many industrial fields. Over the past few years, our group has developed a method to quickly array large areas of monolayer nano- or micro-spheres on surface of several substrates by dip coating method. We had demonstrated the efficiency improvement in LED, OLED and Solar cell related area by using nano- or micro-structures. This technology is convenient and fast to implement, so it can be used in academic research and industrial process.

In this talk, the fabrication process of patterned substrates by using monolayer spheres will be addressed, and the applications to LED, OLED and Solar cell devices will also be introduced.

参加費：無料

申し込み・問合わせ先

日本機械学会中国四国支部庶務幹事：山田 啓司

Email: keiji@hiroshima-u. ac. jp

TEL: 082-424-7586（直通）, FAX: 082-422-7193（機械事務室）

〒739-8527 東広島市鏡山 1 - 4 - 1, 広島大学大学院 工学研究科 機械システム工学専攻