



東京大学微細構造解析プラットフォーム 公開講演会

“Utilizing smart data analysis to get the most out of TEM result”

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Our research group in Trondheim invested in three TEMs in 2013 (JEOL double corrected ARM 200CF, 2100F and 2100) and is working on several types of materials, including aluminum alloys, nanowires, oxides and solar cells. The talk will give a presentation of the TEM activities in the group, focusing on the recent activities within data analysis of data acquired with various techniques, including scanning transmission electron microscopy (STEM) [1,2], scanning precession electron diffraction (SPED)[3], electron energy loss (EELS)[4,5] and X-ray dispersive spectroscopy (EDS)[6].

- [1] M Nord et al. *Advanced Structural and Chemical Imaging* 3:9 (2017)
- [2] L Jones et al. *Ultramicroscopy* 179, 57 (2017)
- [3] JK Sunde et al. accepted, *EMAG - IOP: Journal of Physics: Conf. Series* (2017)
- [4] M Nord et al. *Ultramicroscopy* 169, 98 (2016)
- [5] M Vatanparast et al. *Ultramicroscopy* 182, 92 (2017)
- [6] S Wenner et al., *Micron* 96, 103 (2017)

Oct 10 (Tue), 2017 15:00~16:30

**Main meeting room at Institute of Engineering Innovation, UT
(工学部総合研究機構 9号館1階 大会議室)**

Organizer: Prof. Yuichi Ikuhara, Phone: 03-5841-7688