

# The 92<sup>nd</sup> MANA Special Seminar



**Title: Structures of silica mesoporous crystals by EM**

**Chair: Dr. Yusuke Yamauchi (MANA Independent Scientist)**



## **Prof. Osamu Terasaki**

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Since their discovery in the early 1990s, silica mesoporous crystals have attracted a lot of attention due to various potential applications based on their periodic arrangement of uniform mesopores. Knowledge of structures of silica mesoporous crystals is essential for the understanding of the structure as well as for their applications.

We have been working on methodological developments and at the seminar I will briefly discuss following topics on structural study of mesoporous crystals by EM;

- (i) Electron crystallography for determining three-dimensional structures including curvature assessment of the structural solutions.
- (ii) From ordered structure to modulated one.
- (iii) Appraisal of HRSEM applied to the topic.

**Venue: Seminar Room #431, MANA Bldg.**

**Date: July 14<sup>th</sup> Tuesday      Time: 15:30-16:15**

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