The 164th MANA Special Seminar

Self-assembly of Discotic Colloids

Chair: Dr. Katsuhiko Ariga (MANA Principal Investigator)

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Despite their natural abundance and wide industrial applications, such as red blood cells and clay, disks are least studied compared to spheres and rods due to the lack of model systems. Here, we will show methods to fabricate micro-disks with unprecedented uniformity in size and shape, and unprecedented flexibility in the control of size, shape, size-polydispersity and aspect ratio. We will discuss the discotic liquid crystal phase transitions and their possible application in biomolecular structure characterization.

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

Date: **Aug 25th Wednesday** ***Time:*** **15:30-16:15**

NAMIKI Site

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