
Seminar

■ **SPEAKER**

Prof. Leon Abelmann (University of Twente)

■ **TITLE**

Observing magnetic objects in fluids

■ **ABSTRACT**

We specialize in studying magnetic objects in a fluid environment. The objects I would like to present are

- Magneto-tactic bacteria, which we observe for instance inside a microfluidic chip (<https://youtu.be/3uUL4ooM6K>)
- 3D printed centimeter sized objects with embedded magnets inside a turbulent water flow, which we use to study self-assembly processes (<https://youtu.be/8NleFIdyf50>)
- Suspensions of microfabricated permalloy discs with diameters of 150-3000 nm, which might be a better alternative to magnetic colloids for magnetic particle imaging (<https://journal.iwmpi.org/index.php/iwmpi/article/view/76>)

■ **DATE AND VENUE**

November 19, 2018 (Monday, 5:00 - 6:00 pm)
Seminar Room B (119), KU R&D Center

■ **LANGUAGE**

English

■ **INVITED BY**

Associate Director Wonshik Choi