



NUS
National University
of Singapore

Department of Materials Science
& Engineering
College of Design and Engineering

Department Seminar

Dear Colleagues & Students,
You are cordially invited to a special seminar on

Date: 23 October 2026, Friday

Time: 2pm – 3pm

Venue: EA-02-14, 9 Engineering Drive 1, Singapore 117575 ([Map](#))

Liquid helium TEM experiments



by Dr. Denys Sutter

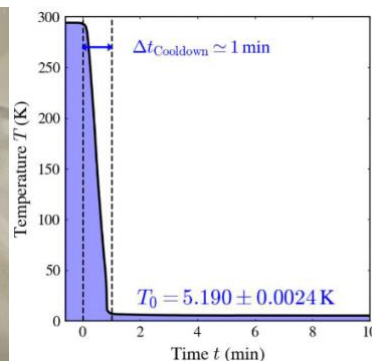
CEO, condenZero AG,

Hagenholzstrasse 85, 8050, Zürich, Switzerland

Hosted by A/Prof. Michel Bosman

Abstract:

Many quantum phases emerge only at temperatures well below liquid nitrogen temperatures. This seminar introduces condenZero's liquid helium TEM system. We will present the technology, performance, and applications in quantum materials research.



Biography:

Denys Sutter is CEO and co-founder of condenZero, a spin-off from the University of Zurich in Switzerland, founded in 2019. He holds a PhD in experimental physics from the University of Zurich, where his research focused on angle-resolved photoemission spectroscopy (ARPES) studies of strongly correlated materials using synchrotron radiation. Before his PhD, from 2008 to 2016, he worked at Ferrovac (Switzerland), designing and manufacturing surface science instrumentation with a focus on ultra-high vacuum technology and cryogenics. Today, he leads condenZero in developing liquid helium sample holder systems for transmission electron microscopy.

Looking forward to seeing all of you!