

Symposium Topological Insulators: Status Quo and Future Directions (SYTI)

jointly organized by
 the Low Temperature Physics Division (TT),
 the Thin Films Division (DS),
 the Surface Science Division (O),
 the Semiconductor Physics Division (HL), and
 the Magnetism Division (MA)

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Topological insulators have attracted much attention since their discovery in 2005-2007 and generated an enormous research activity of both experimentalists and theorists. This symposium aims to provide an overview of the status quo about ten years after the discovery of topological insulators presented by some of the leading experts in the field. The speakers will also discuss and speculate about the most promising and most exciting future directions this topological branch of research might possibly take.

Overview of Invited Talks and Sessions

(Lecture room H1)

Invited Talks

SYTI 1.1	Wed	9:30–10:10	H1	Topological insulators and topological superconductors — ●SHOUCHENG ZHANG
SYTI 1.2	Wed	10:10–10:50	H1	Three-dimensional topological insulators and superconductors — ●YOICHI ANDO
SYTI 1.3	Wed	10:50–11:30	H1	Interplay of magnetic and electronic states in pyrochlore iridates — ●LEON BALENTS
SYTI 1.4	Wed	11:40–12:20	H1	Magnetic imaging of edge states — ●KATHRYN MOLER
SYTI 1.5	Wed	12:20–13:00	H1	Sub-nm wide edge states at the dark side of a weak topological insulator — ●MARKUS MORGENSTERN

Sessions

SYTI 1.1–1.5	Wed	9:30–13:00	H1	Topological Insulators: Status Quo and Future Directions
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