

CCSE

Center for Computing
in Science Education



Status CCSE Feb 2025

Develop materials
and methods

Build educational
research group



CCSE Centre for Computing
in Science Education

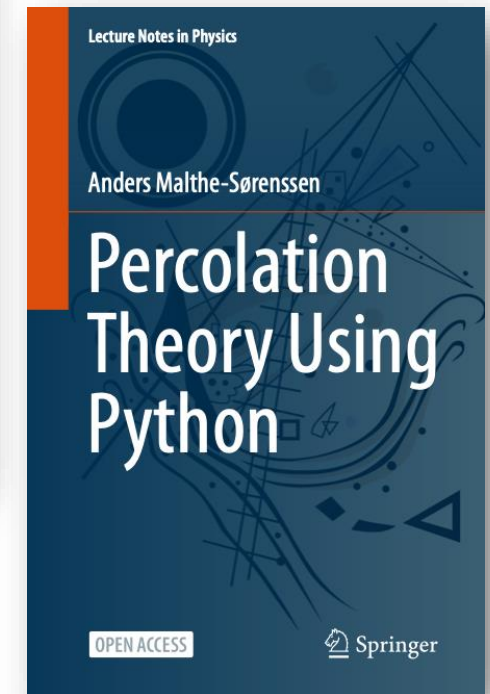
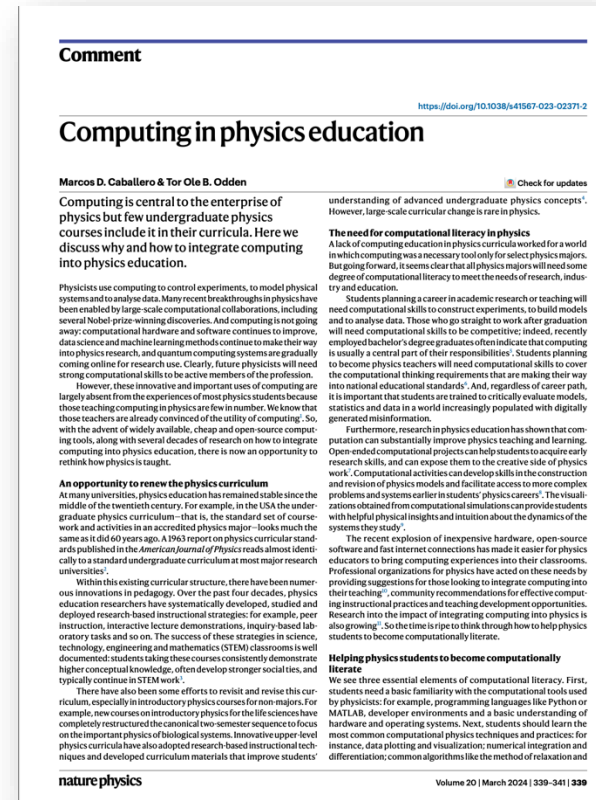
Vision “an **international hub** for **research-**
based integration of **computational**
methods in education”

Build culture for
teaching and learning

Disseminate nationally
and internationally

Activities 2024

- Hired Elise Lockwood, Oregon State University (20%)
- Incoming sabbatical fellow: Jan-Fredrik Olsen
- Nature Physics invited article on integration of computing in physics education
- AI in physics education: Established European network
- LA program extended across UiO



Activities 2024

Maxsense (NFR IKTpluss@SINTEF)

- 3 yr researcher (2024-2026):
Øyvind Gløersen
- 2 yr postdoc (2025-2027)

DIGIWIND (EU DIGITAL EUROPE
2023-2027, 1.5 Mkr/yr)

ProFAG (DKOM, 1-2Mkr/yr)
— Kurs for lærere



[Presidential Early Career Award for Scientists and Engineers](#) (PECASE)

, the highest honor bestowed by the U.S. government to outstanding early-career scientists and engineers.



Plans 2025-2026

- Main developmental trends
 - Interplay between INTED and CCSE (INTED at CCSE until 2026)
 - Strategic use of remaining funding – preparing for a post-CCSE transition
- New people / projects
 - Helene Lane, PhD on AI/LLM in physics education (2024-2026, Odden start package)
 - Ane Kristine Espeseth, PhD on LLM and embedding foundations (CCSE, 2024-2026)
 - Focus during last three years: AI and LLMs in science education
- Transition: extended use of basis-midler