

**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
UNIVERSITY OF SOUTHERN DENMARK, ODENSE**

Mathematics seminar

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Computing in Science Education

**Thursday 7 December 2017, 14:15-15:15
IMADA seminar room**

Abstract

Computers and computing have had a tremendous impact and changed society in ways few would have thought possible. The impact on research is just as dramatic: Most fields now depend on methods that are crucially dependent on computers.

In education, computers have provided new channels of communication, online courses have become common, and computers have had a marked impact on the practice of teaching. However, the effect has been much less visible in the content of the teaching; it is difficult to derive the existence of computers from a description of the curriculum in most undergraduate science programs. In this presentation we will reflect on this apparent anomaly and describe some of the work at the University of Oslo to address the situation by renewing general science education with an integrated, computational perspective.

Host: Achim Schroll