

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

# COMPUTER SCIENCE AND INDUSTRIAL APPLICATIONS LECTURE

## Constructing periodic timetables for public transportation

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Monday, May 23, 2005 at 10.15-12.00 (break at 11.00)

IMADA's Seminar Room

**Abstract:** We consider the practical problem of constructing a periodic timetable for a public transportation company. A graph model for this problem is going to be presented. Further, we derive a Mixed-Integer Linear Programming problem and investigate how minimum cycle bases of graphs provide strong formulations.

[This talk is given in the usual time slot of DM85 and will be targeted at the students, but everyone interested is most welcome to attend!]

Host: Jørgen Bang-Jensen