RK 1294

Vorlesungsankündigung

Analysis of Maxwell's Equations

Speakers: **Prof. Guido Schneider**[1]
Dr. Vincent Lescarret[1]

Lectures: Monday to Friday 9:00 am – 10:30 am
Monday to Friday 11:00 am – 12:00 pm

Exercises: Monday to Friday 2:00 pm – 3:30 pm

This series of lectures is organized within the framework of the Research Training Group 1294 *"Analysis, Simulation and Design of Nanotechnological Processes"* and will take place

from 26 February to 2 March 2007.

The lectures concentrate on Maxwell's equations in media like glass fibers or photonic crystals. Topics are the modeling of the polarization, spectral gaps for photonic crystals in 1,2, and 3 dimensions, local existence and uniqueness theory, pulse dynamics in fibers and photonic crystals, and photonic crystals as optical storage.

The course will take place at the Universität Karlsruhe, Englerstraße 2, Seminar Room S.31.

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