

Mathematics and CS Seminar

Computational design of permanent magnets

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Permanent magnets are essential for a modern, environmentally friendly society. Magnets are key building blocks for energy generation and energy conversion. We use numerical optimization tools to search for new hard magnetic materials with reduced or zero rare earth content. Using finite element techniques we compute the key figures of merit in particular the energy that can be reversibly used in magnetic circuits as a function of the magnet s structure. Structural optimization is of utmost importance in non-scale, multiphase magnets where a specific mixture of phases is used to improve the magnet's properties.

Monday, June 26, 2017 11:00am - 12:30pm

Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.

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