Die Graduiertenschule MUSIC lädt ein zu einem Tutorium mit Prof. Korelc:

Montag, 22. November 2010 (10.00-12.00 Uhr)
Dienstag, 23. November 2010 (10.00-12.00 Uhr)
Dienstag, 30. November 2010 (10.00-12.00 Uhr)

OK Gebäude (Gebäude-Nr. 1104, Fakultät für Maschinenbau), 5. Etage, CIP Pool
Im Moore 11 B

Short Course on Automation of Computational Modeling

Prof. Joze Korelc
University of Ljubljana, Faculty of Civil and Geodetic Engineering

The main objective of the course is to provide theoretical background and practical training for automatic generation of finite element codes using symbolic approach and automatic differentiation. Participants will get insight into the mathematical formulation of a problem, its symbolic description with AceGen, verification of the model and the generated code and a final implementation in the finite element environment AceFEM. The course will consist of 3 2-hour lectures as follows:


The lectures will be given in computer laboratory. Students will be encouraged to try to use symbolic approach on their specific field of research.