Aalborg University

November 27, 2001

Guest lecture by Teknologie Licentiat Jonas Lindemann
Lund University, Sweden

Advanced multimedia interfaces for use in engineering and educational software

Thursday November 29, 13:00 - 14:00.
Room F-108, Sohngaardsholmsvej 57
Aalborg University,
and
at the Master of IT, Multimedia course,
Friday November 30, 09:00-10:00
Room A4-108, Fredrik Bajer Vej 7

To be able to obtain computer programs, which are effective tools in the education of civil engineers, architects and designers, enhancements to software and user interfaces has to be made. The Division of Structural Mechanics at Lund University has been involved in structural mechanics education at the School of Design Sciences. During this time software tools for teaching structural mechanics have been developed. The first tool developed is the ForcePAD software. ForcePAD is a finite element software, in which a user can use standard painting tools for defining structures. The program can also analyse and visualise the behaviour of the structure subjected to loading in an easy and intuitive way. The second tool developed is ObjectiveFrame, which is a 3d beam analysis tool with an easy to use multimedia interface and the ability to visualise the behaviour of structures in real-time

Jonas Lindemann was born in Sweden in 1970. He received his M.S. degree in civil engineering in 1997. He is currently working as a Ph.D. student at the Division of Structural Mechanics at Lund University. His research interests include visualisation of finite element simulations, methods for distributing finite element systems using CORBA and DCOM. Development of user interfaces for computational codes and educational tools in structural mechanics. (http://www.byggmek.lth.se, http://it.civil.auc.dk/it/reports/vrlindemann/lcdvr.html)

You are all very welcome

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