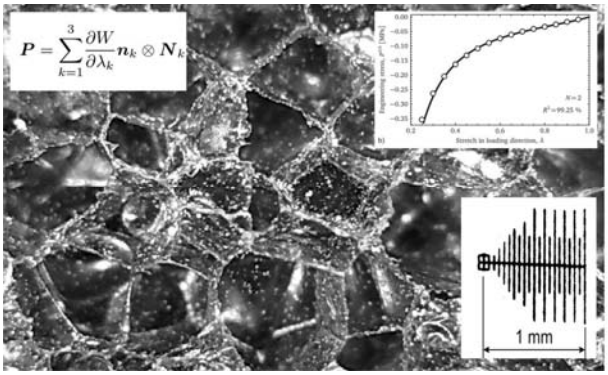
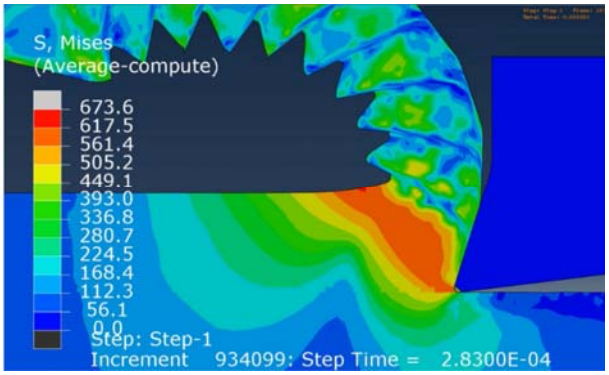
Department of Mathematics

Spring 2016 Colloquium Series





"Constitutive Modeling of Polymeric Foams and Finite Element Simulation of Chip Formation in Metal Cutting"

Professor Attila Kossa,
Budapest University of Technology and Economics (BUTE)
Budapest, Hungary

Thursday, April 28, 2016

Behavioral and Social Sciences Building Room 166, 4 p.m.

Polymeric foams are highly compressible materials due to their cellular structure. Finding the material parameters corresponding to the hyperelastic and to the viscoelastic parts are not so trivial. In this talk, the parameter-fitting procedure will be discussed.

Improving the manufacturing quality in metal cutting processes requires the complete understanding of the chip formation phenomena, which may be analyzed using the finite element method in addition to experimental tests.

Attila Kossa holds a Ph.D. from the Budapest University of Technology and Economics, Hungary (BUTE). He is Associate Professor in the Department of Applied Mechanics at BUTE and teaches courses such as Fundamentals of Finite Element Methods, Continuum Mechanics and Elasticity & Plasticity.

For a complete abstract, go to http://www.humboldt.edu/math/news-and-events/math-colloquium

We invite you to the Pre-colloquium Tea on the third floor of the BSS building at 3:30 on Thursday.