ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

Invitation to the Doctoral Seminar

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"Justification of Koiter's model for an elliptic membrane shell over an obstacle"

N.2.01 Wednesday, 20 November 2019 11:00 a.m.

Abstract
In this talk, I will present some recent results on obstacle problems for elliptic membrane shells. A specific obstacle problem for the three-dimensional model will be defined and a rigorous asymptotic analysis as the thickness approaches zero will be performed. We will finally compare the obtained result with what is obtained by letting the thickness approach zero in the corresponding Koiter's model subjected to an obstacle

Barbara Kaltenbacher and the Department of Mathematics look forward to seeing you at the talk!