

Speaker: Prof. Ivo Babuska, Ph.D.

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Department of Aerospace Eng. and Eng. Mechanics
Department of Mathematics
The University of Texas at Austin

**Title: Computational Science, Mathematics
and Where We are Going**

Friday, November 7, 2008

3:00 – 4:00 p.m.

EB 2.04.04

Abstract: The aim of the Computational Science is to quantitatively predict physical and other phenomena. It is usually done by the numerical solution of a mathematical problem. However, there is a major problem: What are the reasons to believe that the predictions are so reliable so that various crucial decisions could be made based on the predictions. The talk will address various aspects of this question.

About the Speaker: Dr. Babuska specializes in numerical solution of partial differential equations, especially the finite element method, and applied mathematics in general. He has received many honors and awards, including the Gauss-Newton Medal from the U.S. Association for Computational Mechanics, and several honorary doctorates from various universities around the world. The asteroid 3060 is named Babuska in his honor. He is also a member of the National Academy of Engineering and a Member of the Academy of Medicine, Engineering and Science of Texas.

For any questions, please contact: **Ms. Pat Navarro**
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