FACULTY OF MATHEMATICS
AND PHYSICS
CHARLES UNIVERSITY

INSTITUTE OF MATHEMATICS
ACADEMY OF SCIENCES
OF THE CZECH REPUBLIC

JINDŘICH NEČAS CENTER FOR
MATHEMATICAL MODELING

are honored to invite you to the

MEMORIAL SEMINAR

dedicated to 80th anniversary of birth of
Professor Jindřich Nečas

as a part of the workshop
NONLINEAR PDEs
(www.karlin.mff.cuni.cz/memories/necas/
events/workshop2009)

Date: December 14th, 2009 at 13:30

Place: Ancient Refectory, 1st floor
Malostranské nám. 25, Prague 1

JINDŘICH NEČAS

(14. 12. 1929 – 5. 12. 2002)

Professor Jindřich Nečas, born in Prague on December 14, 1929, Professor of Mathematics at the Charles University in Prague, Presidential Research Professor at Northern Illinois University and Doctor Honoris Causa at the Technical University of Dresden, had been enriching the Czech and world mathematics with his new ideas in the areas of partial differential equations, nonlinear functional analysis and applications of both disciplines in continuum mechanics and hydrodynamics for more than forty years.

Without exaggeration, we can consider him the founder of the Czechoslovak school of modern methods of investigation of both boundary and initial value problems for partial differential equations. An excellent teacher, he influenced many students by his enthusiasm, never ceasing work in mathematics, organizing lectures and seminars and supervising a large number of master and Ph. D theses.

He was decorated with the National Order of Merit by Václav Havel, President of the Czech Republic, on October 28, 1998.

PROGRAM

$13^{30}-14^{30}$ **PART I**
OFFICIAL OPENING

Jindra Nečasová Nardelli: In Front of Gate of Eternal Journey for harp and organ
Performed by: **Barbora Váchalová** (harp)
            Michal Novenko (organ)

Welcome addresses by the representatives of the Faculty of Mathematics and Physics, the Academy of Sciences, Institute of Mathematics of the Charles University and Institute of Mathematics of the Academy of Sciences

$14^{30}-17^{35}$
SCIENTIFIC PROGRAM OF THE WORKSHOP **NONLINEAR PDEs**

$14^{30}-15^{20}$ **Avner Friedman: Symmetry breaking bifurcations of free boundary problems**

$15^{20}-15^{50}$ Coffee break

$15^{50}-16^{40}$ **Josef Málek: On Kelvin–Voigt model and its generalizations**

$16^{45}-17^{35}$ **Willi Jäger: Mathematical Modelling and Simulation of Biophysical and Biochemical Processes in Membranes and Tissue**

$17^{40}-17^{50}$ Presentation of the English translation of the book by Jindřich Nečas "Les méthodes directes en théorie des équations elliptiques"

18^{00} **Johann Sebastian Bach:** Suite No. 1 for solo viola
Performed by: **Petra Feistauerová**

$18^{15}-20^{30}$ Banquet

R.S.V.P. to bauerova@math.cas.cz (Lenka Bauerová) until December 7th, 2009.