WHAT: **New solutions for the Next Generation Air Transportation System**

WHEN: **Thursday, February 4, 2010 at 5:30 p.m.**

WHERE: American Center, Tržiště 13, Prague 1 – Malá Strana

Harry N. Swenson – National Aeronautics and Space Administration

Doc. Dr. Ing. Michal Pěchouček, M.Sc - Czech Technical University, Prague

The United States National Aeronautics and Space Administration (NASA) cooperates with researchers at the Czech Technical University to develop a higher-capacity and more environmentally sustainable Air Transportation System. Through an extensive research program including collaboration with the U.S. Federal Aviation Administration's Joint Planning and Development Office, NASA is developing solutions to significantly increase the capacity of the Air Transportation System. Through U.S. Department of Defense-sponsored research, the Czech Technical University has recently made advances in developing autonomous agents for Unmanned Aerial Systems (UAS), which has direct applications to cutting-edge NASA research. Harry Swenson has been a research scientist with NASA for over 27 years and has developed advanced, time-based control technologies that have been deployed throughout the United State Air Traffic Control System. Mr. Swenson, will provide a seminar on the fundamentals of the current Air Traffic Control System and NASA's research program, and he and Dr. Pechoucek will discuss their current collaboration.

The lecture will be interpreted into Czech language. Admission is free of charge.

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