



## **PRESS RELEASE**

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### **ERA and UTIA announce mutual cooperation on implementation of advanced DSP algorithms in FPGAs**

**Praha, Czech Republic – February 19, 2005** – ERA, a research and development company specializing in development and manufacture of passive surveillance systems, and UTIA, a research institute of the Academy of Sciences of the Czech Republic active in research of control, information and computer sciences, announced an ongoing cooperation on FPGA implementations of advanced DSP algorithms for novel passive radar systems.

ERA is making benefit of UTIA's long-term research in the field of advanced DSP algorithms, and its knowledge on efficient FPGA implementations. The cooperation is a step towards a new class of passive radar systems that require high data bandwidth processing. Years of research undertaken at the Academy of Sciences of the Czech Republic has led to this cooperative development. "By utilizing high-level design specification and synthesis, various DSP algorithms can be tested, implemented, and verified in hardware easily," said Ing. Antonin Hermanek, PhD, researcher at UTIA.

"We find the cooperation mutually beneficial, since it enables us to use new technology in our design, and reduce significantly our design costs both in terms of development time, and product cost," said Ing. Libor Slezak, PhD, head of the ERA Research Department.

#### **About ERA**

ERA is a research and development company specializing in development and manufacture of passive surveillance systems designed both for air traffic control and air defense applications. A significant part of our activities covers as well the development of special software, mainly for the real-time radar data processing and display. ERA was founded in 1994 as a new company building its business on the base of long term successful research and development of passive surveillance system running in the Czech Republic since 1960s. ERA now employs more than 140 people, half of them are engineers. For more information, visit: <http://www.era.cz>.

#### **About UTIA**

The Institute of Information Theory and Automation (UTIA) is a research institute of the Academy of Sciences of the Czech Republic. It is concerned with the research in the field of control, information and computer sciences including in particular system theory, data processing and random processes from the point of view of mathematical modelling, decision-making, automatic control and signal processing. Our aim is not only to cope with theoretical aspects of algorithmic design, but also to help the industrial partners to solve the implementation issues in all their complexity. For more information, visit: <http://www.utia.cas.cz/zs>.