

`Institute of Information Theory and Automation' (UTIA)

- ▶ public non-university research institution, part of the Academy of Sciences.
- ▶ **basic and applied research** in computer science, signal and image processing, pattern recognition, system science, and control theory.
- ▶ <http://sp.utia.cz>
- ▶ Jaroslav Sýkora sykora@utia.cz,
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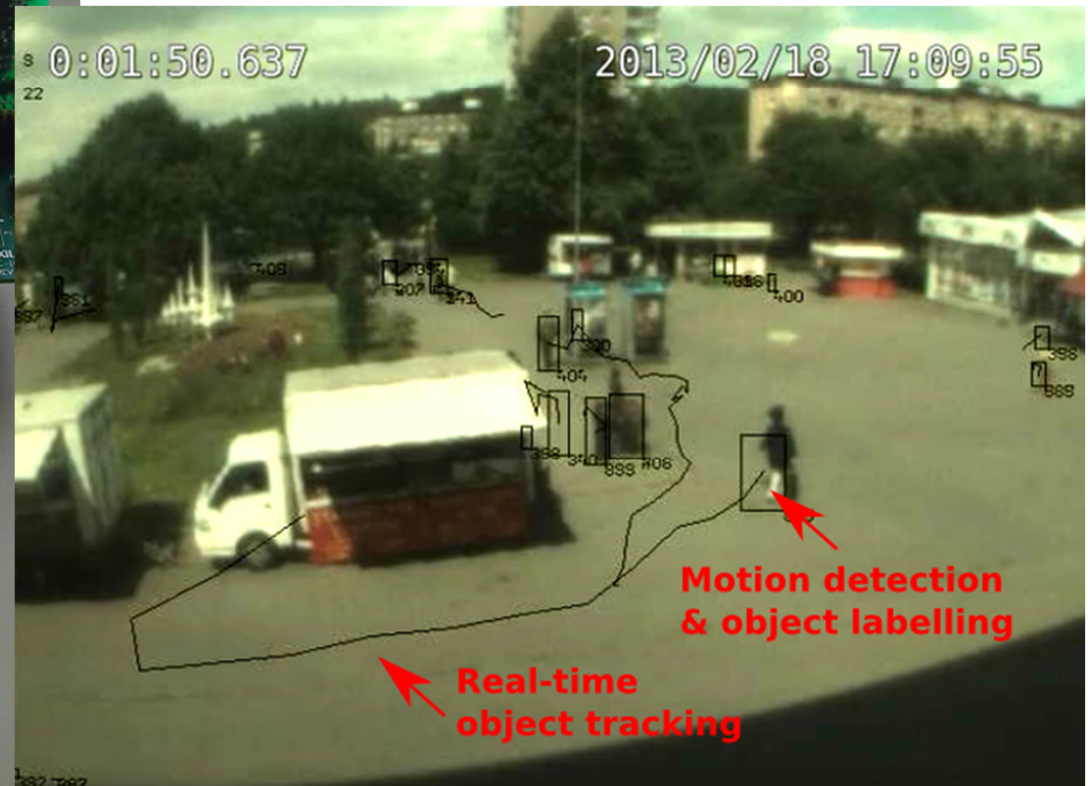
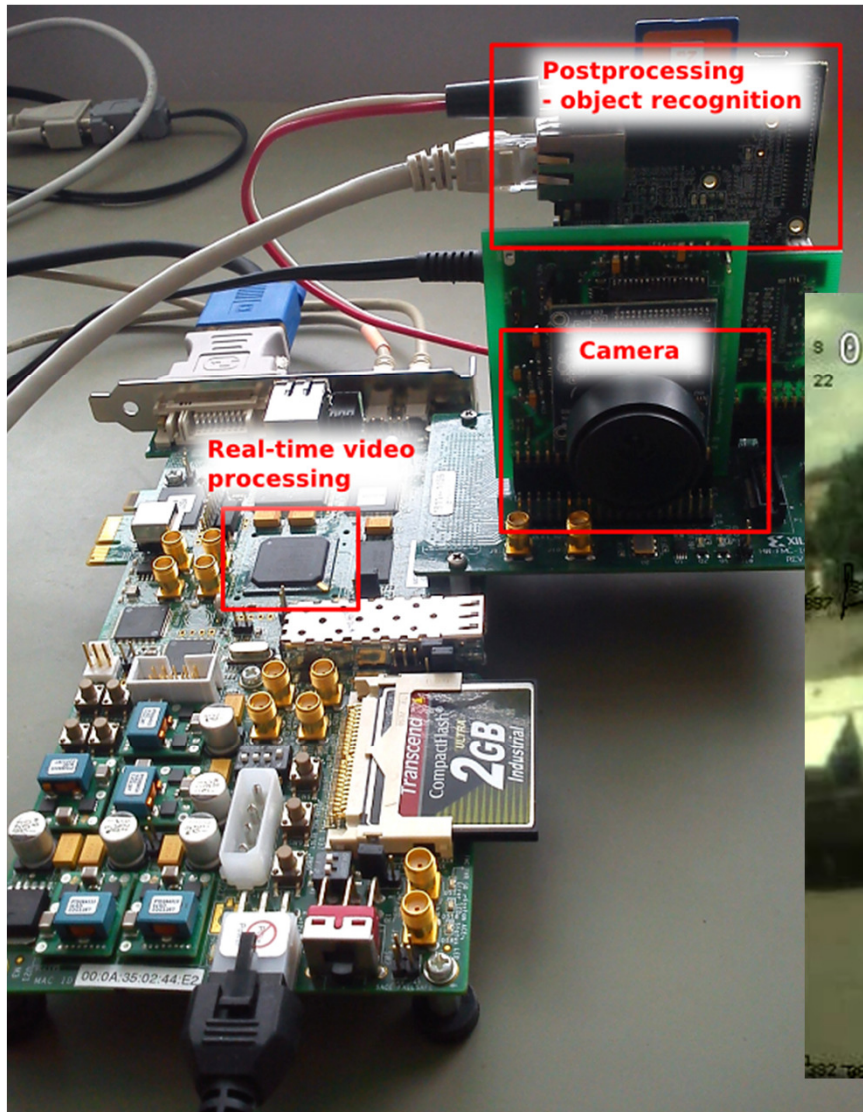


Department of Signal Processing



- ▷ **research, development and implementation** of advanced *digital signal processing* algorithms.
- ▷ prototype implementations:
 - ▷ **hardware:** in Field Programmable Gate Arrays (FPGAs) and Digital Signal Processors (DSPs).
 - ▷ **software:** Matlab/Simulink, C.
- ▷ **targets:** low power embedded systems
- ▷ <http://sp.utia.cz>

Past project example: Surveillance camera with built-in motion detection



Past project example: Pocket Notebook with Synthetic Speech Output for the Blind Users

