



INSTITUTE OF INFORMATICS
SLOVAK ACADEMY OF SCIENCES

Dúbravská cesta 9, 845 07 Bratislava
Branch: Severná 5, 974 01 Banská Bystrica

Department: Sensory Systems

TITLE OF THE PROJECT:

DESIGN AND SIMULATION FOR MICRO ELECTRO-MECHANICAL SYSTEMS.

PROJECT ID:

No.605

DURATION OF THE PROJECT:

01/2004 - 12/2006

PRINCIPAL INVESTIGATOR SAS:

ŠTEFAN HAVLÍK

PRINCIPAL INVESTIGATOR SAS:

Prof. MARCO CECCARELLI
Laboratorio di Robotica e Meccatronica
Universita di Cassino
Via Di Biasio 43, 030 43 Cassino, Italy

Bilateral project between CNR and the Slovak Academy of Sciences.

Investigation and solution methods and resources for design and simulation of micro-electro-mechanical equipment in robotics. The subject of development are the following problems:

- Methodology for Analysis of micro-mechanical structures.
- Modeling and simulation for optimal design using multi objective optimization.
- The proposals, solutions and experimental verification of micro-effects (snap) for selected applications.