

# Inst. of Control and Computation Eng. Warsaw University of Technology

Robot Control and Recognition Systems Group  
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## Robot Control and Recognition Systems Group

Our research, development and didactic interests focus on:

- robot programming,
- image analysis,
- machine vision,
- speech recognition,
- signal processing,
- artificial intelligence,
- real time processing.

In the past we participated in different research projects:

- a Rubic cube dual arm solver,
- MRROC++ - a software framework for robot control,
- blind source separation and deconvolution,
- vision-based systems for
  - traffic scene analysis,
  - car and container identification,
  - hand sign recognition,
  - autonomous navigation,
  - hand cleaning inspection,
- angiography image analysis,
- recognition of polish speech.

Our staff is running courses in:

- image and speech recognition,
- artificial intelligence,
- robot control,
- computer programming,
- digital circuits.



## Cooperation request

Research and development on various aspects of pattern recognition with special focus on:

- visual object recognition,
- image sequence analysis,
- speech recognition and
- real time programming.

Training courses on:

- image analysis,
- signal analysis,
- speech recognition,
- artificial intelligence,
- robot programming,
- programming languages,
- digital circuits.

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## Facts & data

The Institute ICCE was established in 1955. It groups around 40 academic staff with 8 full- and associate professors. and around 40 PhD students.

The field of pattern recognition is covered here since 1980, led first by Prof. Andrzej Śluzek (NTU Singapore) and from 1997 by prof. Włodzimierz Kasprzak. Before joining WUT W.Kasprzak was with University of Erlangen-Nuremberg (Germany), the RIKEN institute (Japan) and the FESTO company

