

Gdansk University of Technology; University of Gdansk

Published by Anonymous (not verified) on Wed, 11/12/2014 - 09:37

Partner looking for project

Institution / Department:

Gdansk University of Technology, Faculty of Electronics, Telecommunication and Informatics,
Multimedia Systems Department

Country:

Poland

Name:

Andrzej Czyzewski

Position title:

Prod. D. Sc. Eng., Department Head

E-mail:

andcz@multimed.org ^[1]

Research areas of your institution:

Gdansk University of Technology, Faculty of Electronics, Telecommunication and Informatics,
Multimedia Systems Department

Research areas of institution:

- audiovisual and multimodal speech recognition
- recognition of speech at an allophonic level
- language learning and e-learning
- software for learners with special needs
- multimodal human-computer interfaces

Information on current and past research activities can be found on the department's website:

<http://www.multimed.org/> ^[2]

2. University of Gdansk, Faculty of Languages, Institute of English and American Studies

Research areas of institution:

- articulatory and acoustic phonetic
- segmental and prosodic English phonology of English
- corpus analysis
- phonetic transcription systems
- e-learning (linguistics)

Comment:

The Multimedia Systems Department of Gdansk University of Technology has devoted a lot of work to developing means of human-computer communication in the past years. Recently, in cooperation with University of Gdansk, we have investigated multimodal speech recognition by adding visual cues to acoustical data to increase recognition robustness in difficult conditions. The department is skillful in audio and video signal analysis, feature extraction and classification employing artificial intelligence. In our experience we have also created educational tools for language learning, including aids for learners with special needs. In the CHIST-ERA call 2014 we are hoping to advance the state of the art in speech recognition and human language understanding. We believe that a multimodal approach to speech recognition is the key to reach human-like performance, both in recognizing speech units at an allophonic level and in understanding the higher levels of speech.

Topic:

Novel Computational Approaches for Environmental Sustainability

© CHIST-ERA

- [Administration](#)

Source URL: <http://www.chistera.eu/gdansk-university-technology-university-gdansk>

Links:

[1] <mailto:andcz@multimed.org>

[2] <http://www.multimed.org/>