EU★BRIDGE

Bridges Across the Language Divide – EU-BRIDGE

The Goal

The project aims at developing automatic transcription and translation services that will permit and facilitate the development of innovative products and applications that require the transcription of and translation between languages, European as well as non-European. The project will prove the usability of the services by implementing four such applications as use cases: Captioning Translation for TV broadcasts, University Lectures Translation, European Parliament Translations, Mobile Devices Communication Translation, simultaneous translation of lectures, meetings, and telephone conversations.

Therefore, EU-BRIDGE intends to put together academics, engineering and business expertise in order to create competitive offers to existing needs of translation, communication, content processing and publishing. Prospective users of the project are European companies operating in a multilingual, audio-visual market (in particular TV captioning and translation). By being able to utilize the offered services these companies will gain a distinctive advantage in a globalized, multilingual world.

Objectives and Innovation

EU-Bridge partners aim to develop above state-of-the art speech and machine translation capabilities in view of new and more challenging business use cases. This means, to advance spoken language technologies to allow for processing and transmission of human information content from one language into another, in situations that could so far not be handled by automatic techniques. Another key challenge is to reduce the cost of data collection and the dependence on large, manually collected and annotated amounts of data for the development of the core recognition and translation technologies The team of partners proposes to build one of the largest combined repertoires of languages available both in speech recognition and translation. The last objective is the rapid technology transition and market insertion by building distributed services instead of transferring software, and by making deployment part of the project.

Results

We will achieve: High performing speech translation technology, more cost effective media transcription and translation systems developed throughout the project in a commercial setting.

Impact

The research and market insertion mechanisms of this project will have impact on the European competitive position in a multilingual market through the provision of better products and services to citizens and businesses. The consortium composed of some of Europe's leading research institutions has the opportunity to become scientific and technological leader as a result of a widely accepted vision: the project demonstrates how advanced speech translation technologies can benefit business and society. The project will reinforce the cooperation, dialogue and partnership between research and industry and will provide better understanding of user requirements.

Project Partners

- Karlsruhe Institute of Technology, Germany
- Fondazione Bruno Kessler, Italy
- Polish Japanese Institute of Information Technology, Poland
- Rheinisch-Westfälische Technische Hochschule Aachen, Germany
- The University of Edinburgh, United Kingdom
- The Hong Kong University of Science and Technology, China
- Red Bee Media Limited, United Kingdom
- Mobile Technologies GmbH, Germany
- Pervoice SPA, Italy
- Accipio Projects GmbH, Germany

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SEVENTH FRAMEWORK PROGRAMME