

Institute for Language and Speech Processing

ILSP



The Institute for Language and Speech Processing (ILSP) was founded in Athens, Greece, in 1991, under the auspices of the

General Secretariat for Research and Technology (Ministry of Development).

ILSP maintains a multilingual orientation in its research and developmental activities in the fields of Theoretical, Applied and Computational Linguistics, Natural Language, Computer Assisted Language Learning, Signal and Speech Processing, and Pattern Recognition. At the same time it holds expertise in the area of Greek language processing. It collaborates with Greek and European research centers and Universities, as well as with the private sector, in the framework of European and National research and development projects.

The developmental activity of the Institute focuses on the creation of laboratory prototypes based on state of the art research outcomes in the above mentioned fields, which may lead to industrial prototypes. The research activity of the Institute supports and promotes its development activity both by supplying the theoretical background for the design of the prototypes and by pursuing new directions for the implementation of new prototypes.

Thus, tools are developed for language processing, language teaching, and speech analysis, synthesis and recognition. The combination of research on Speech and Natural

Language by a joint group of linguists and engineers, gives these domains a new impetus which springs from their complementarity.

Specifically, ILSP is involved in

- the development of products for translating from and into the Greek language, as well as computational tools which assist the translation task
- the development of computer assisted language learning platforms
- the construction of electronic dictionaries (monolingual and multilingual)
- the development of prototypes for Speech Recognition, Synthesis and Compression
- the creation of electronic written text Reference Corpora of the Greek Language
- the development of tools for multilingual parallel corpora processing.

With expert researchers (80 employees), and with an annual turnover of ECU 1.200.000 (1996 facts), ILSP will continue its language and speech technology development activities in the next decade, thus promoting the embedding of European languages in future Information Society applications and services.

ILSP is organised in the following departments:

- **Electronic Lexicography**
- **Educational Technology**
- **Speech Technology**
- **Language Applications in Office Systems**
- **Machine Translation**
- **Liaison Office**