Computational linguistics

MADE BY IVAN YABLOCHKIN

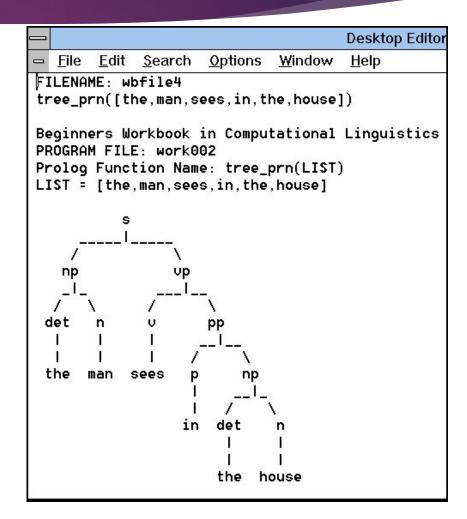
Definition

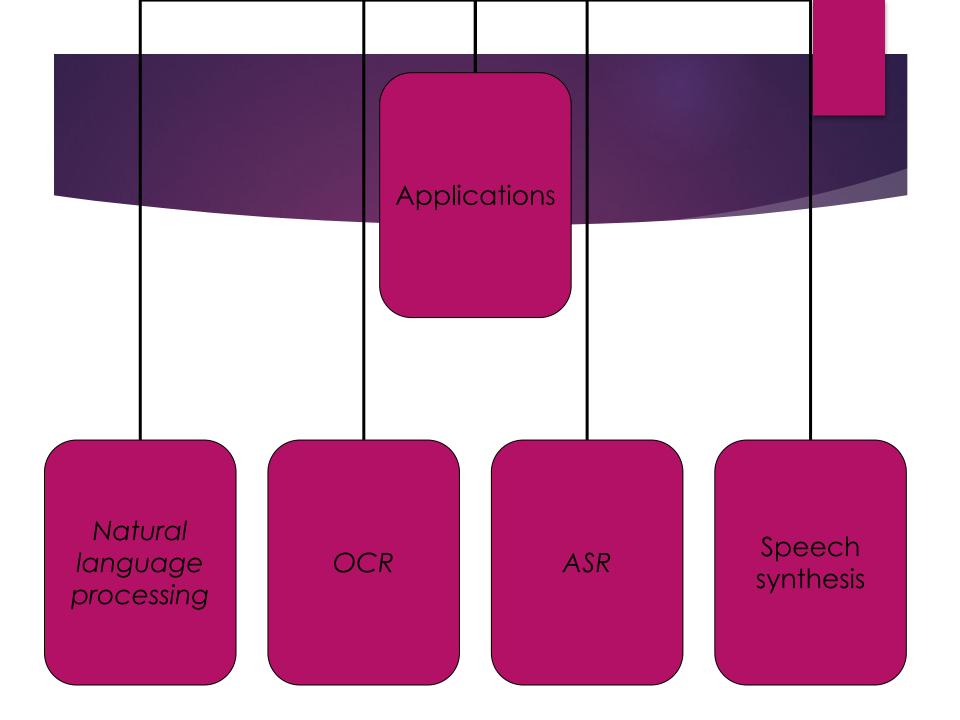


Computer linguistics is a scientific direction in the field of mathematical and computer modeling of intellectual processes in humans and animals when creating artificial intelligence systems, which aims to use mathematical models to describe natural languages.

Clarification

Modern computational linguistics is often a combination of studies in computer science and programming, math, particularly statistics, language structures, and natural language processing.





Machine translation

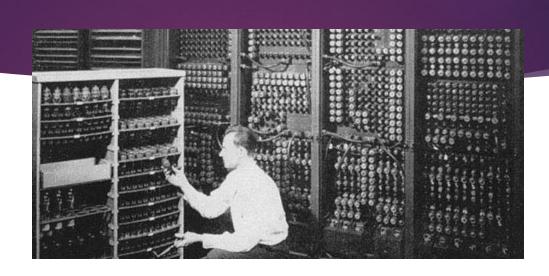
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History



With the invention of the transistor and the advent of a new generation of computers, as well as the first programming languages, experiments with machine translation.

First All-Union Conference on Machine Translation



From May 15 to May 21, 1958, the First All-Union Conference on Machine Translation was held at the Moscow State Linguistic University.

Rosenzweig, Victor Yulievich

Viktor Yulievich
Rosenzweig was
born in Khotin in the
family of the tenant
Joyle Haskelevich
Rosenzweig and Ita
Gershkovny
Rosenzweig.



Panoramic view of the Khotyn Fortress.

Merits



He practically alone managed to ensure development in the USSR in 1950-1980 studies on machine translation, applied and mathematical linguistics within the framework of the numerous structures that he created.

Andreev, Nikolay Dmitrievich

Nikolai Dmitrievich Andreev is a Soviet and Russian linguist, Indo-Europeanist and orientalist, specialist in general and Indo-European linguistics, mathematical linguistics.



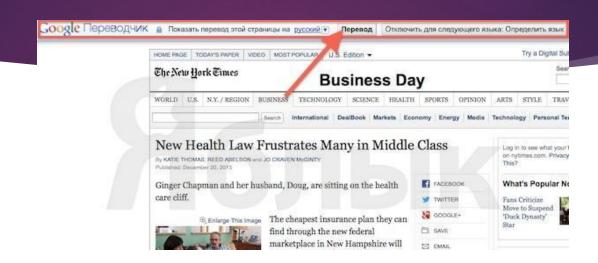
Merits



Yakobson on the results of the IXth International Congress of Linguists.

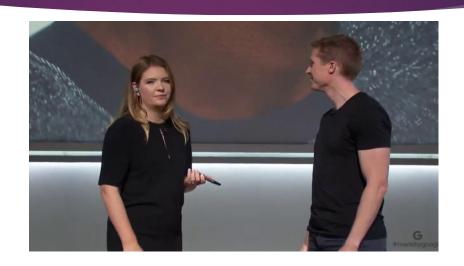
It is no accident that the topic "Linguistic aspects of translation" was chosen as one of the five main topics for plenary sessions. Andreev's report on this topic contained many profound and instructive observations, directions, reflections, and we can only regret the absence of a reporter whose participation could make the discussion more fruitful.

Influence on our lives



Computer linguistics allows you to instantly translate the contents of the site's page (online store), and the buyer is easier to navigate.

Easy communication

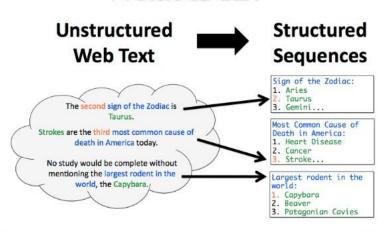


Instant translation simplifies communication between people (or between multinational companies that can reduce the cost of translators).

Organizing information

Computation linguistics simplifies the process of collecting, organizing and storing information providing optical character recognition and information extraction technologies.

What is IE?



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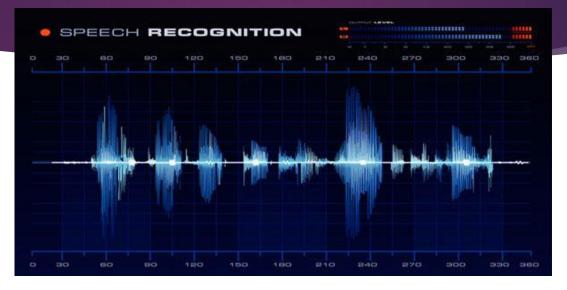
Future prospects

Learning from experience in nat

language processing is very important. The approaches to AI based on connectionism and neural networking have to specialize in this process of learning from experience.



Voice and speech recognition system



We must put lots of effort and make contribution in this area of computation. This will be a great help for the upcoming generation of human society.

Mining of the legal documents

