

# FCAI SIG IN LANGUAGE, SPEECH AND COGNITION

Language is the key to intelligence ...

<https://blogs.helsinki.fi/fcai-sig-lsc/>

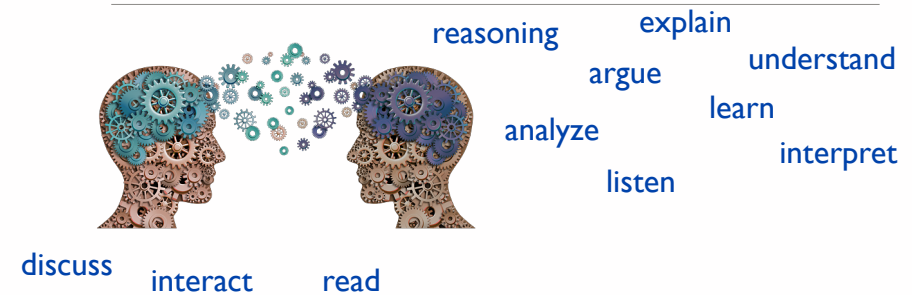
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## How do humans become intelligent?

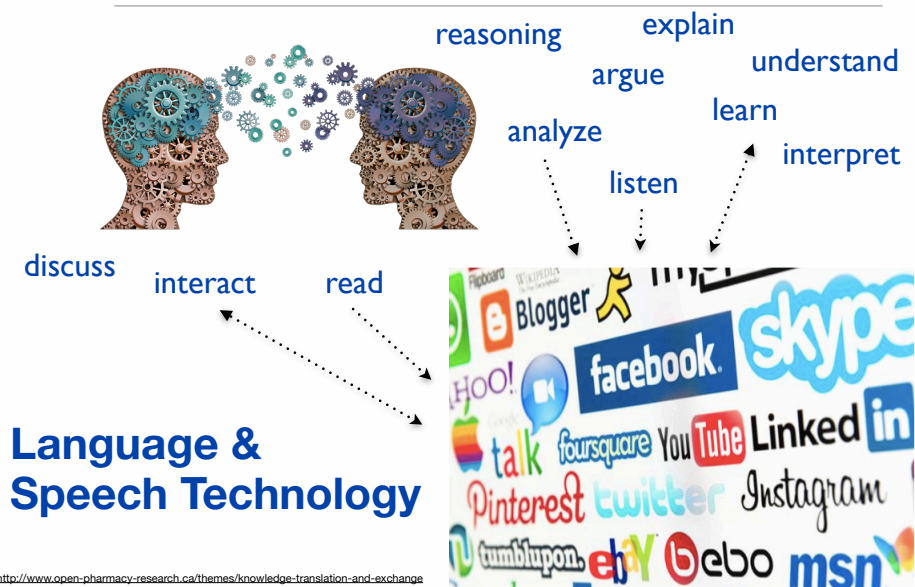


<http://www.open-pharmacy-research.ca/themes/knowledge-translation-and-exchange>

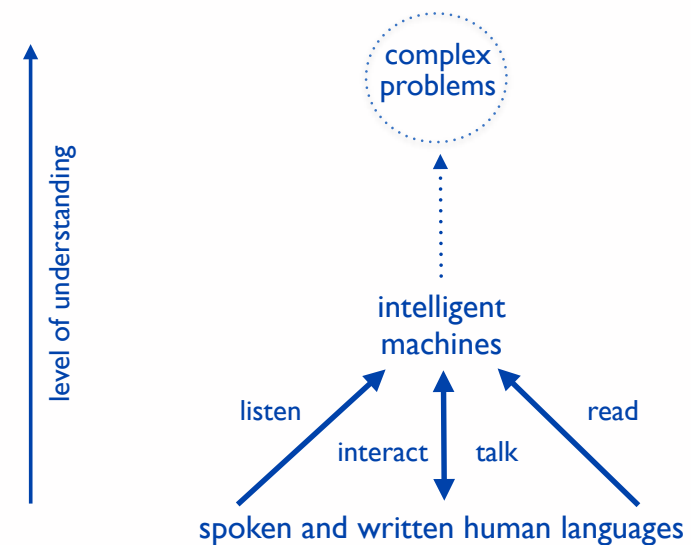
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## How do machines become intelligent?



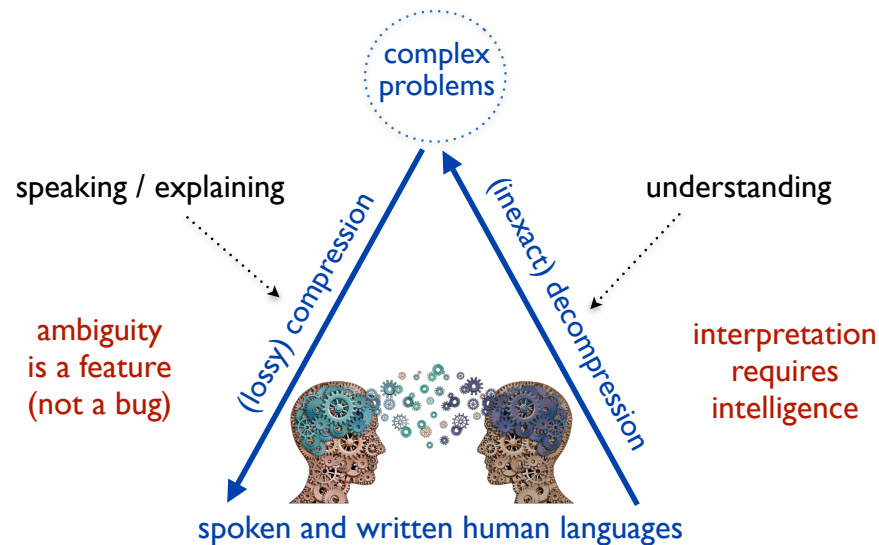
## Automatic knowledge acquisition



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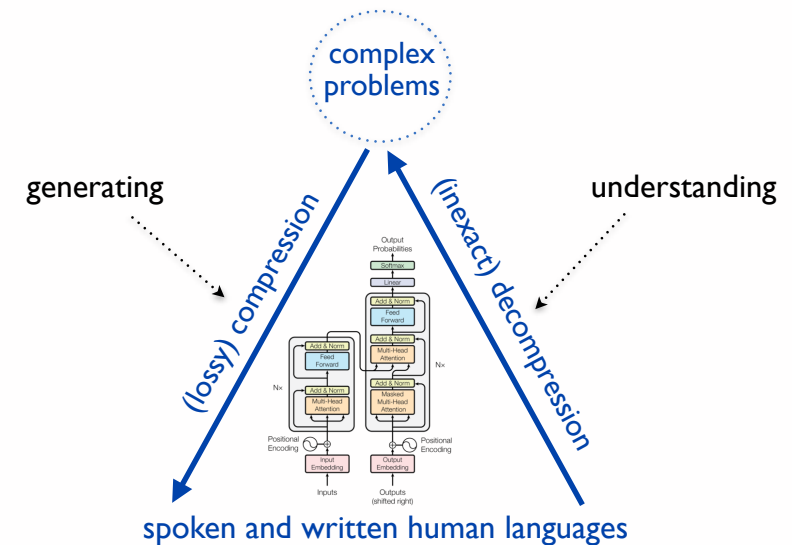
## What is special about language?



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## What is special about language?



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## FCAI SIG IN LANGUAGE, SPEECH AND COGNITION

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## Goals of the SIG



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## Goals of the FCAI-SIG-LSC

- to **organize events** that focus on the connections between language technology, cognitive science and AI development
- to **support collaborations** between the commercial sector and academic research institutes in the development of language and speech technology
- to provide a platform for discussing the impact of natural language processing and AI on the society to **establish a research program** on language, speech and cognition under the umbrella of FCAI

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## Who are we (so far ...)

- **Helsinki-NLP**: The Language Technology research group at the University of Helsinki
- **Turku-NLP**: The NLP research group at University of Turku
- The **Speech Recognition** research group at Aalto University
- **Phonetics and Speech Synthesis** at the University of Helsinki
- **L.A.R.P.**: Language Acquisition, Representation, and Processing research group at the University of Helsinki
- **Discovery** research group with a focus on computational creativity and data mining at the University of Helsinki
- **CBIR**: The Content-Based Image and Information Retrieval group
- **HSCI**: Human-Sciences Computing and interaction at the University of Helsinki
- **SeCo**: Semantic Computing research group at Aalto University
- **FIN-CLARIN**: The language bank of Finland

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## How to get involved

### Become a member

- send an e-mail to [majordomo@helsinki.fi](mailto:majordomo@helsinki.fi) with the message **subscribe fcai-sig-lsc your.email@helsinki.fi**
- suggest and come to our events

### Contribute

- suggest activities, FCAI can give financial support
- make our topics heard at FCAI

Talk to me if you want to know more ...

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## WS on Language Grounding in 2019

visual  
grounding



**En:** A wall divided the city.  
**De 1:** Eine *Wand* teilte die Stadt. ✗  
**De 2:** Eine *Mauer* teilte die Stadt. ✓

translational  
grounding



NEWS ABOUT PEOPLE ACTIVITIES CONTACT

Thanks for listening!