

FCAI SIG IN LANGUAGE, SPEECH AND COGNITION

Language is the key to intelligence ...

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

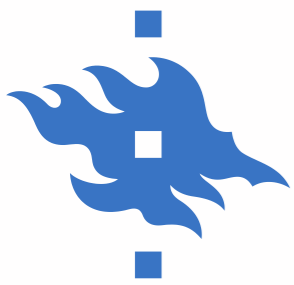
Jörg Tiedemann

Department of Digital Humanities

University of Helsinki

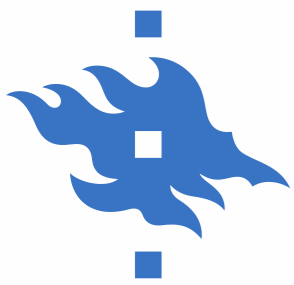
jorg.tiedemann@helsinki.fi



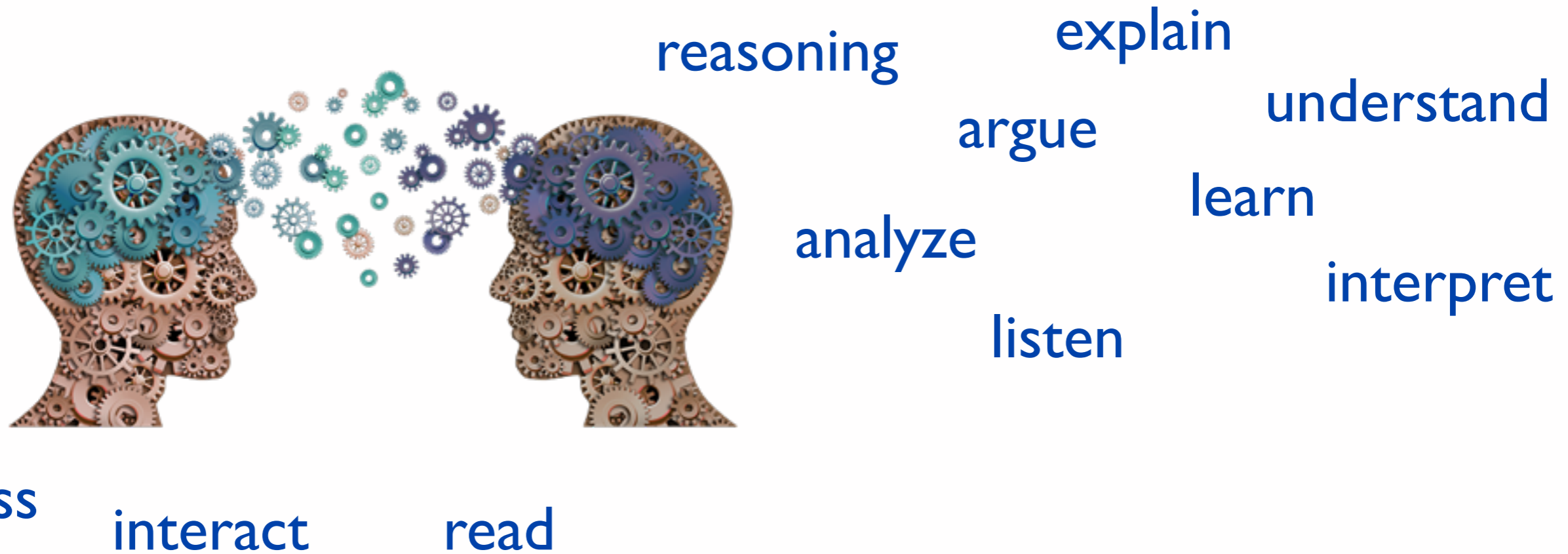


How do humans become intelligent?



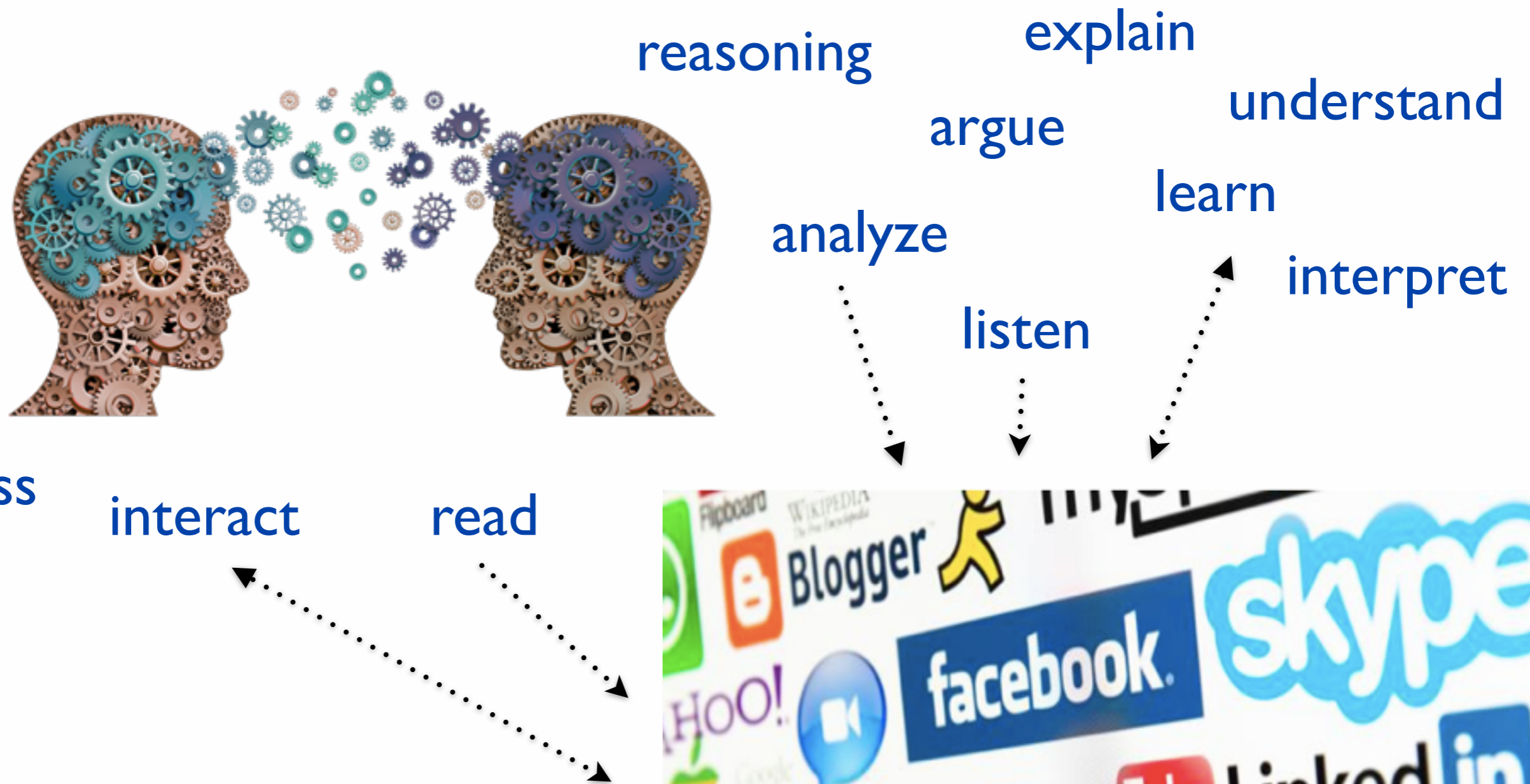


How do humans become intelligent?





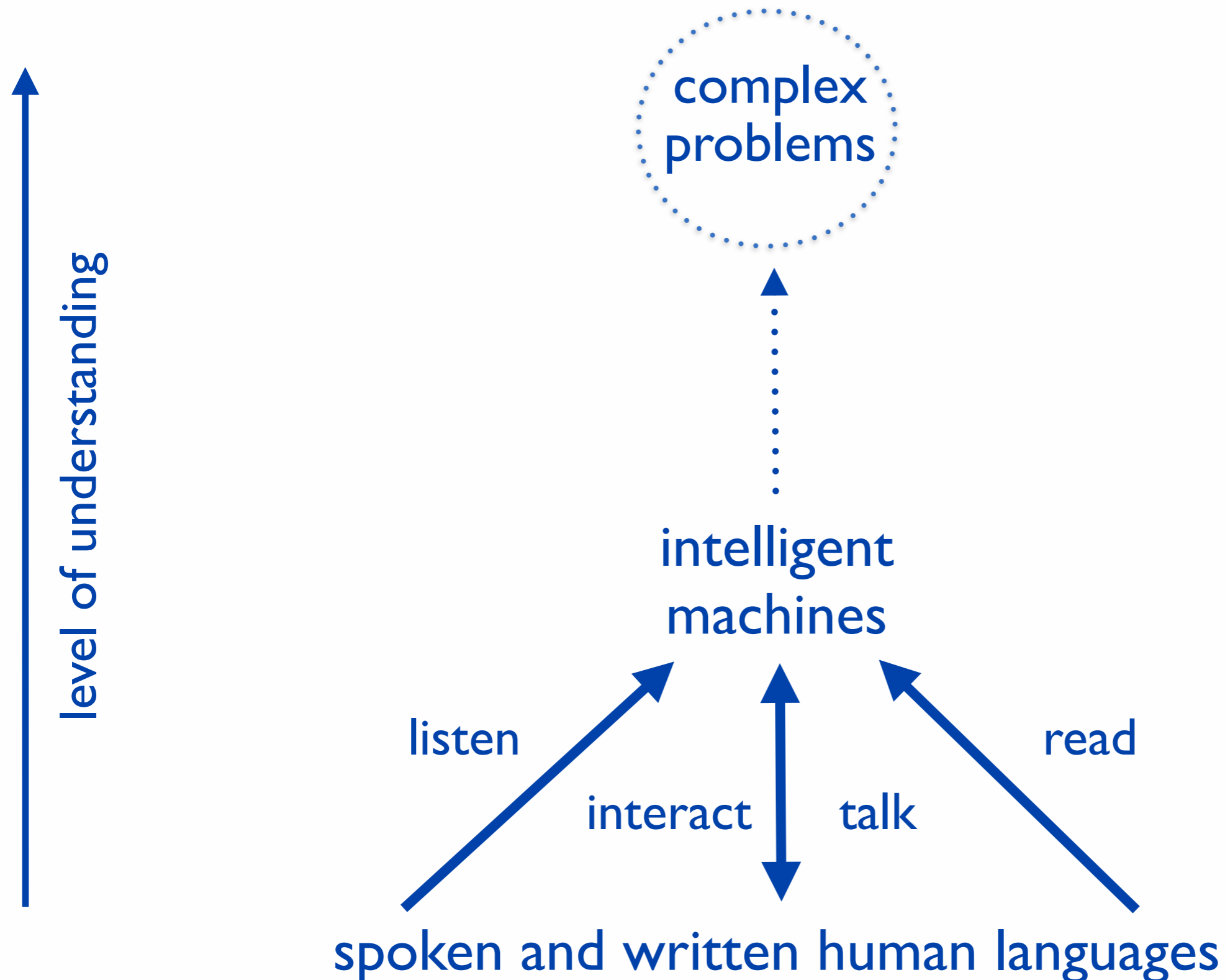
How do **machines** become intelligent?

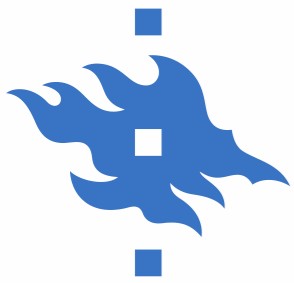


**Language &
Speech Technology**



Automatic knowledge acquisition





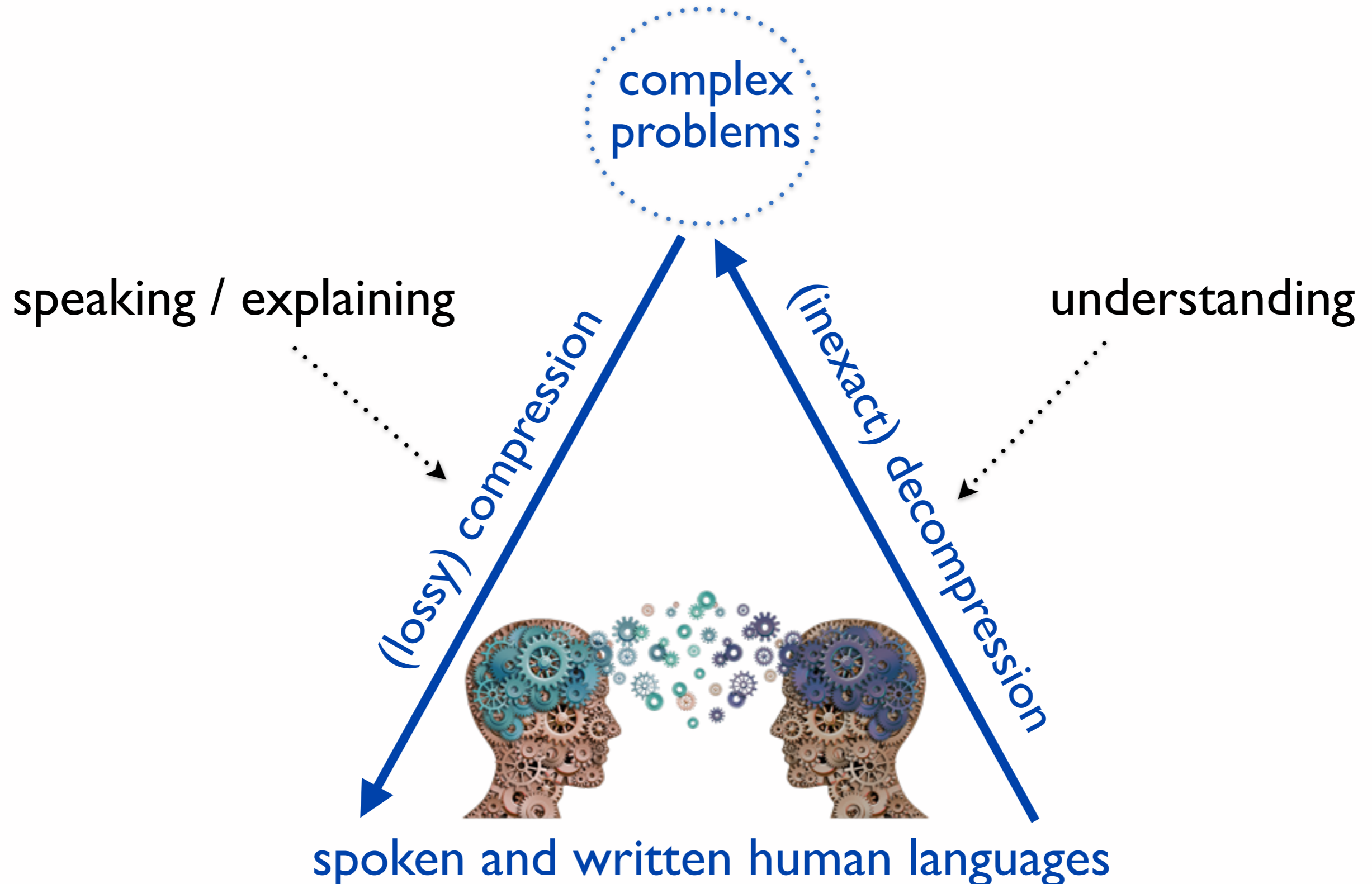
What is special about language?

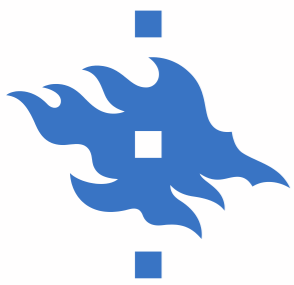
complex
problems



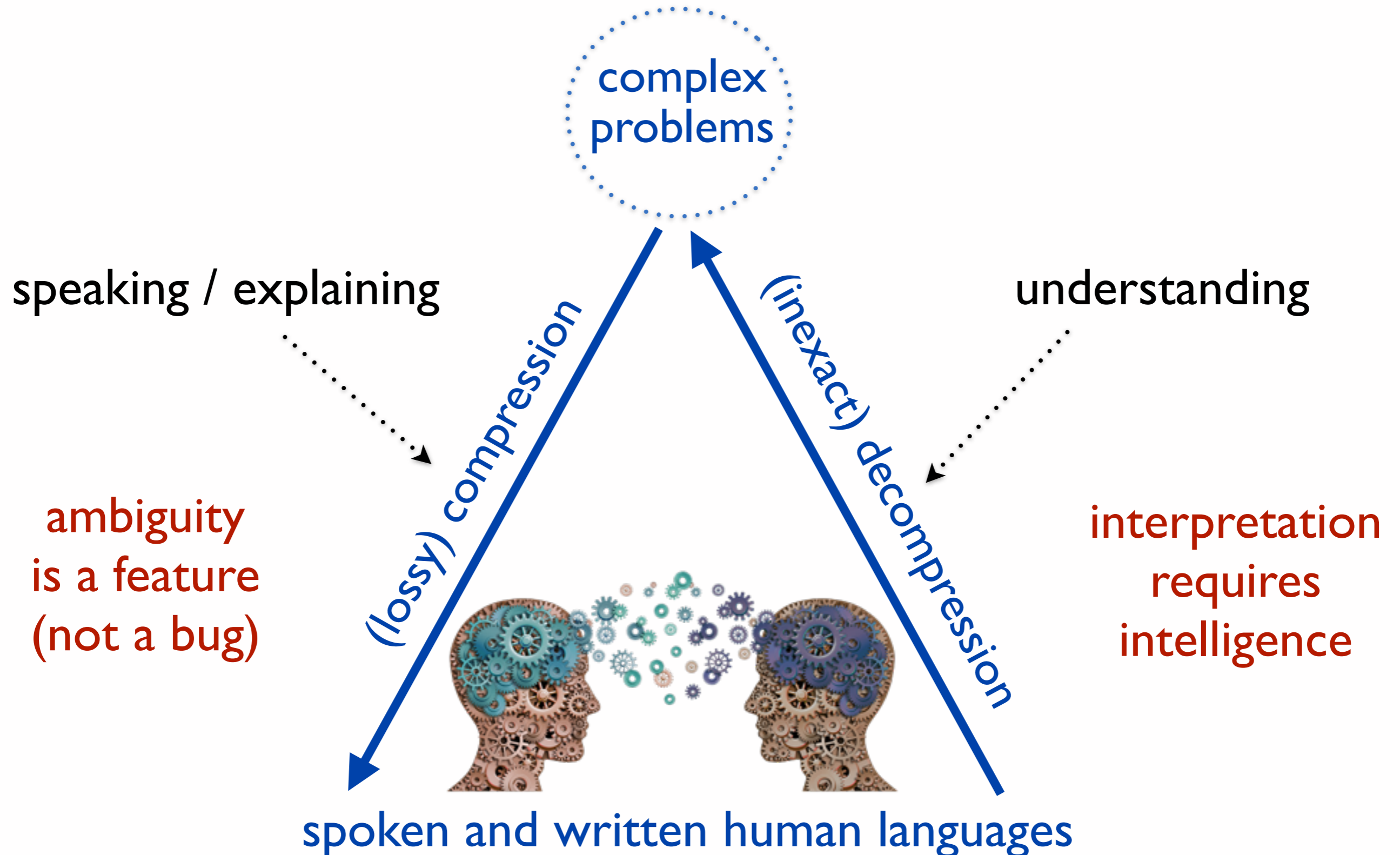


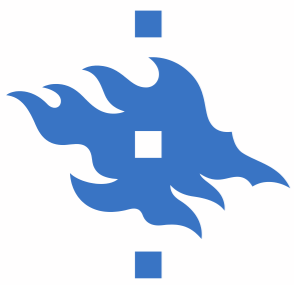
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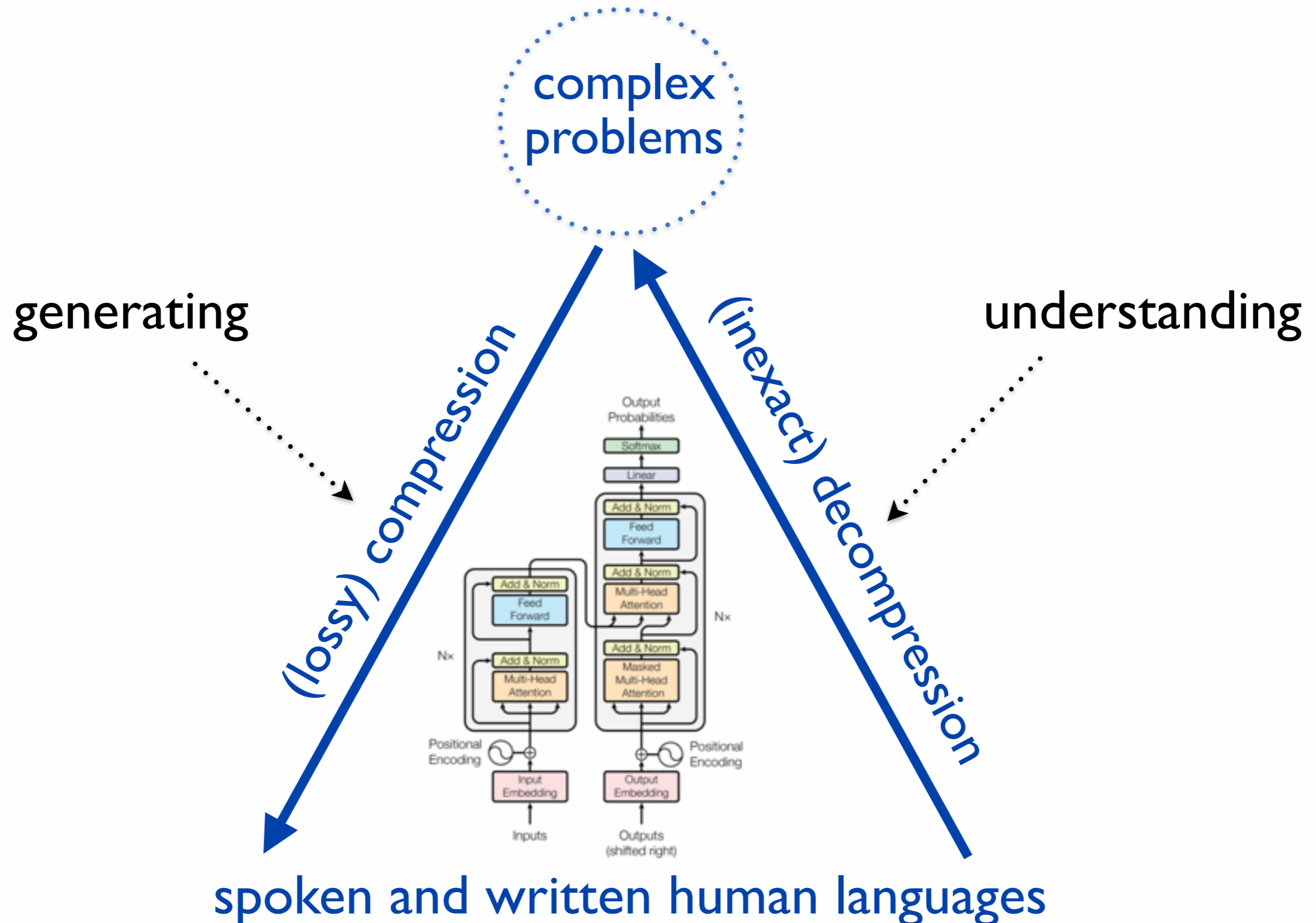


What is special about language?





What is special about language?



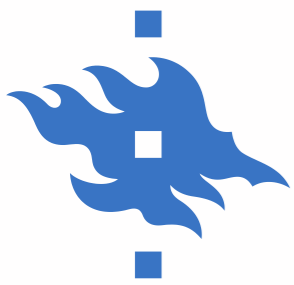
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Goals of the SIG





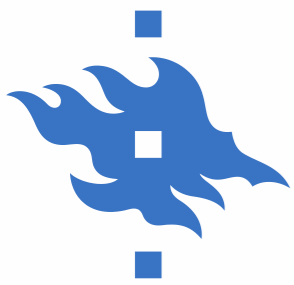
Goals of the FCAI-SIG-LSC

- 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



Who are we (so far ...)

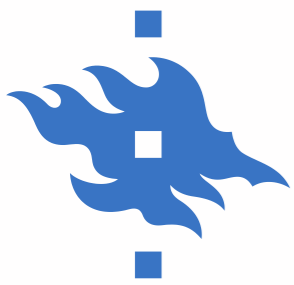
- [Helsinki-NLP](#): The Language Technology research group at the University of Helsinki
- [Turku-NLP](#): The NLP research group at University of Turku
- The [Speech Recognition](#) research group at Aalto University
- [Phonetics and Speech Synthesis](#) at the University of Helsinki
- [L.A.R.P.](#): 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



How to get involved

Become a member

- send an e-mail to majordomo@helsinki.fi with the message
subscribe fcai-sig-lsc your.email@helsinki.fi
- suggest and come to our events



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Contribute

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



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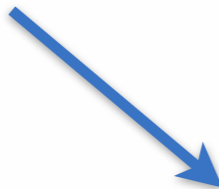
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Talk to me if you want to know more ...



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

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NEWS

ABOUT

PEOPLE

ACTIVITIES

CONTACT

Thanks for listening!