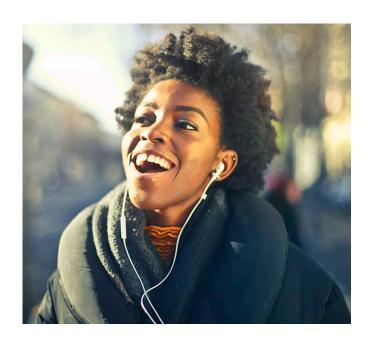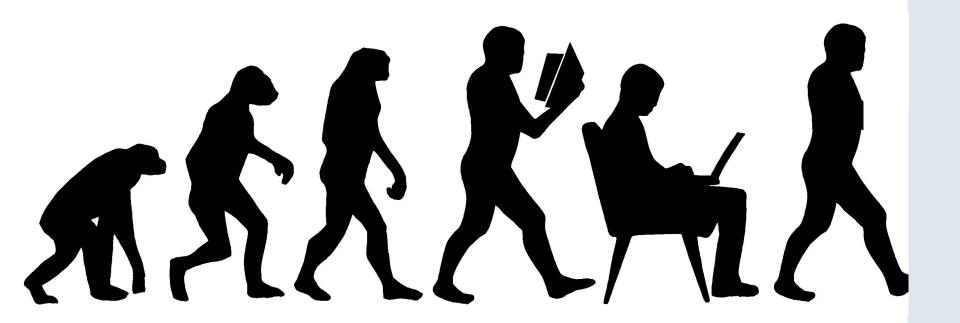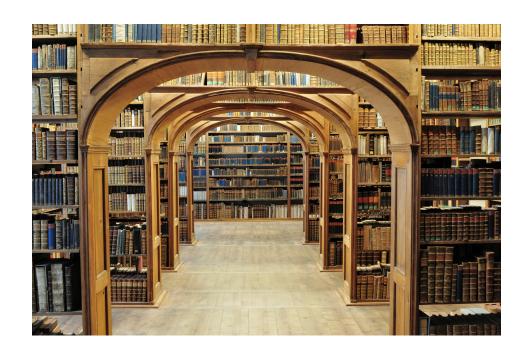# Look at us

Vision

Conversational Interface

Knowledge Sharing & Communication

Knowledge Sharing & Communication

Knowledge-based Conversational Search

Svitlana Vakulenko

Research Questions

- **Analysis** of information-seeking dialogues:

    RQ 1 What is the **dialogue structure**?

    Vakulenko, Svitlana, et al. "QRFA: A Data-Driven Model of Information Seeking Dialogues. *ECIR*. 2019. Best User Paper Award

    RQ 2 What is the relation with the **background knowledge**?

    Vakulenko, Svitlana, et al. "Measuring semantic coherence of a conversation." *ISWC*. 2018. Spotlight paper

Research Questions

- **Design** of conversational search systems:

    RQ 3 How to design a system that can **answer questions**?

  Vakulenko, Svitlana, et al. "Message Passing for Complex Question Answering over Knowledge Graphs." *CIKM.* 2019.

    RQ 4 How to design a system that can **present information**?

  Vakulenko, Svitlana, et al. "Conversational browsing: Dialog-based Access to Structured Information Sources." *Under review*. 2019.

Optional Event

- **7:30pm** tonight
  - "Knowledge-based Conversational Search" 45 mins

Optional Event

- **7:30pm** tonight
  - "Knowledge-based Conversational Search" 45 mins

- **3pm** tomorrow (9am NIST)
  - "Question Rewriting" top results TREC CAsT 20 mins