

Natural Multi-Domain Dialogue Systems

PRIMUS/19/SCI/10

Ondřej Dušek

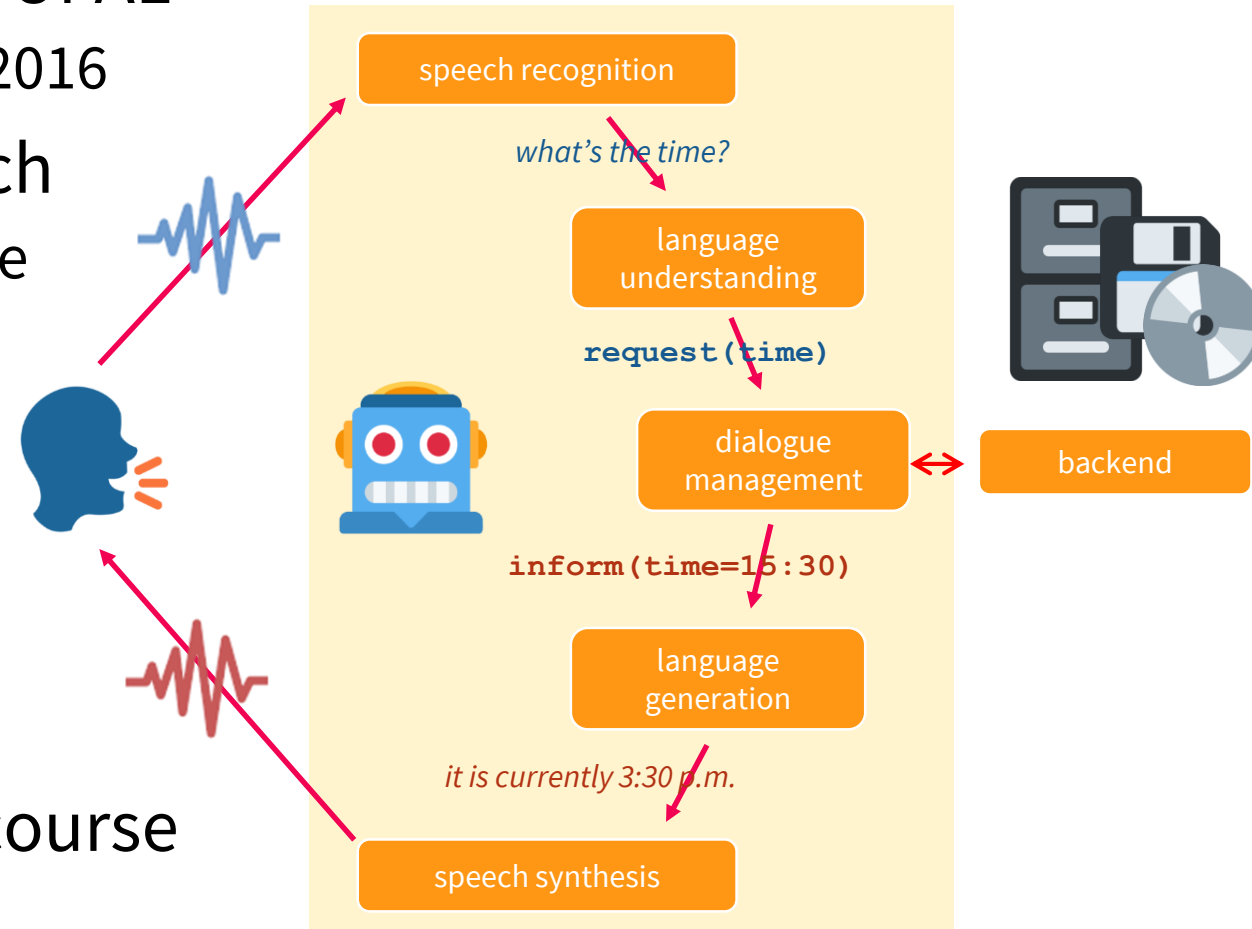
16. 9. 2019

Project type & Stats

- Specific CUNI call for establishing new research groups
 - mainly for people with experience from abroad
 - ERC application support
- Jan 2019 – Dec 2021 (possibility for 2-yr extension)
- Funded by Charles University
 - with 50% Faculty co-funding
- Total budget: CZK 7.1M

Aims

- (Re-)establish a dialogue group at ÚFAL
 - missing from ÚFAL's portfolio after 2016
- Advance dialogue systems research
 - develop systems for natural dialogue in multiple domains
 - specific focus: language generation
 - merge task-oriented & chit-chat
 - adapt & apply for Czech
 - develop dialogue system evaluation (hard to do automatically)
- Teaching: new dialogue systems course



Members

- Ondřej Dušek (PI)
- Vojtěch Hudeček (2nd year PhD, from Jul '19)
 - language understanding
 - dialogue management
- Zdeněk Kasner (starting PhD in Oct '19)
 - multi-domain language generation
- Sourabrata Mukherjee (starting PhD in Oct '19)
 - controllable language generation

Teaching

- NPFL123 **Dialogue Systems** (new)
 - aimed at bachelor students, but not only
 - all-round intro to dialogue systems
 - first run: summer 2019

- NPFL099 **Statistical Dialogue Systems** (old-new)
 - remake of Filip Jurčiček's course (now with neural nets 🤖)
 - aimed at master students
 - more in-depth, no ASR/TTS
 - first run: winter 2019/20 – **Thursday 10:40, 14:00**
 - **come if you're interested!**

Other Outputs

- Papers
 - CS&L
 - SIGDIAL
 - INLG (3x)
 - AAI submitted
- Collaboration
 - Heriot-Watt Uni (Verena Rieser, Ioannis Konstas)
 - starting to talk to CIIRC CTU (Jan Šedivý)

Thanks

- We're happy to discuss any interesting related stuff
- Contact us:
 - odusek@ufal.mff.cuni.cz
 - room 424
 - here