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

NaMuDDiS Project
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 Jurčíček’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)
  • AAAI 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