



KAPITAŁ LUDZKI
NARODOWA STRATEGIA SPÓJNOŚCI



WARSZAWSKA
WYŻSZA SZKOŁA
INFORMATYKI

UNIA EUROPEJSKA
EUROPEJSKI
FUNDUSZ SPOŁECZNY



1. Nazwa wykładu: Natural Language Processing and its Applications

2. Prowadzący: Dr. hab. Włodzimierz Zadrozny, IBM T.J. Watson Research Center, USA

3. Opis wykładu: The lectures will cover the core topics of building NLP applications. The focus will be on text processing. We will attempt to answer the following set of questions:

- What is NLP, and why text and speech understanding are difficult?
- What are tools for text processing, and how well do they work?
- How does text pre-processing improve the quality of applications?
- How is NLP connected with IR, speech processing and other subdisciplines of artificial intelligence?
- What are common applications of NLP and what are the emerging ones?
- What seem to be promising technologies, interesting methods, and research problems?

From another perspective, the topics will be ?text as data?, ?tools and algorithms for text processing?, and ?text as competitive advantage?.

A part of this overview will be about Watson/DeepQA technology-- the latest big advance in the field. We will also discuss some open problems preventing us from building machines that ?truly understand? the language.