

FREIE UNIVERSITÄT BERLIN Fachbereich Mathematik und Informatik

Promotionsbüro, Arnimallee 14, 14195 Berlin

DISPUTATION

Dienstag, 16. Mai 2017, 10.00 Uhr

**Ort: Hörsaal B (0.1.01)
Fachbereich Physik der FUB, Arnimallee 14, 14195 Berlin**

Disputation über die Doktorarbeit von

Herrn Shashishekar Ramakrishna

**Thema der Dissertation:
A Knowledge Representation Framework
for Handling Elementary (Patent) Pragmatics**

**Thema der Disputation:
Controlled Natural Language for Law**

Die Arbeit wurde unter der Betreuung von **Prof. Dr. A. Paschke** durchgeführt.

Abstract:

A Knowledge Representation Framework for Handling Elementary (Patent) Pragmatics

Despite the '*apparent clarity*' of a given legal provision, its application may result in an outcome that does not exactly conform to the semantic level of statute. For knowledge engineering, minimizing ambiguity in legal language requires representation of sufficient information in an elementary form, thus simplifying the legal language. This talk is specifically directed to an introduction of both functional and non-functional requirements of a legal knowledge representation, with special emphasis on the domain of patent laws. Further, a knowledge engineering process based on a novel patent-information-system knowledge representation framework, KR4IPLaw (Knowledge Representation for Intellectual Property Law), will be presented, which is adhering to the requirements for representing elementary legal rules with elementary pragmatics.

Controlled Natural Language for Law

Controlled Natural Language is a subset of natural language that can be accurately and effectively processed by a computer and is also expressive enough to allow natural usage by a specialist. This talk presents a set of controlled natural languages, which were either specifically developed for the legal domain or adapted for the same from other domains. Properties and prospects of such representation formats will be emphasized during the talk.

Die Disputation besteht aus dem o. g. Vortrag, danach der Vorstellung der Dissertation einschließlich jeweils anschließenden Aussprachen.

Interessierte werden hiermit herzlich eingeladen

Der Vorsitzende der Promotionskommission
Prof. Dr. A. Paschke