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## **Analysis of Collaborative Online Conversations using Natural Language Processing**

### Chapter 1. Introduction

- 1.1 Research Problem and Objectives
- 1.2 Elements of Novelty
- 1.3 Thesis Outline

### Chapter 2. Inter-animation in Collaborative Chat Conversations. Classification of the Interaction Types

- 2.1 Introduction
- 2.2 Inter-animation in Online Conversations
- 2.3 Interactions (Links) among Utterances
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- 2.5 Classification of Interactions between Utterances
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### Chapter 3. Discourse Models in Web Conversations Like Online Chats and Discussion Forums

- 3.1 Discourse Types
- 3.2 Computational Discourse Models for Conversations
- 3.3 Modelling Conversations as a Graph
- 3.4 Open Issues in Building the Conversation Graph
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### Chapter 4. PolyCAFe – A Chat & Forum Analysis and Feedback System

- 4.1 System Basics and Use Case
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### Chapter 6. Epilogue: Using Semantics for Improving Relevance for Text Documents

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- 7.1 Personal Contributions
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### List of Publications

### References