Zusammenfassung:
We live in a dynamic world, where changes are a part of everyday life. When there is a shift in data, the classification or prediction models need to be adaptive to the changes. In data mining the phenomenon of change in data distribution over time is known as concept drift. In this part, an adaptive supervised learning with delayed labeling methodology will be presented. As a part of this methodology, we introduce an adaptive training set formation algorithm called SFDL, which is based on selective training set formation. Our proposed solution is considered as the first systematic training set formation approach which takes into account delayed labeling problem. It can be used with any base classifier without the need to change the implementation or setting of this classifier.

Part 2: Fine-grained Relationship extraction for Feature-based Opinion Mining.
This part will include a brief of our forthcoming research which will be devote to automatically create a structured representation of feature-level opinions from review documents. More specifically, we are trying to identify feature level opinion units (topic features and opinion words) and relationships between these units by depicting a set of domain specific syntactic rules. These induced relationship rules could then be incorporated to any feature-based sentiment classification method.

Kurzlebenslauf:
Ms. Kohail received her BSc Degree in Software Development and her MSc Degree in Machine Learning from the Islamic university of Gaza, Palestine. She is currently enrolled in a language course in Dresden as part of her DAAD stipend. Prior to this she was a Computer Science Lecturer at Islamic University of Gaza. Her current research interests include Data Mining, Machine Learning, Computational Linguistics and Concept Drift Learning. Her forthcoming PhD thesis will be: “Fine-grained Relationship extraction for Feature-based Opinion Mining”.

Ansprechpartner:
Prof. Dr. Chris Biemann (biem@it.informatik.tu-darmstadt.de, Tel.: 06151/16-5313)