

**“Semantic Abstraction and Integration Across
Text Documents and Data Bases”**

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Intelligent access to information requires semantic integration of structured databases with unstructured textual resources. We will discuss some of our research towards identifying mentions of entities in text, identifying relations that may hold between entities and concepts in texts and determining whether different mentions of real world entities, within and across documents, actually represent the same concept. We will also discuss using these capabilities to search unstructured text and to integrate information extracted from unstructured data with existing institutional knowledge bases.