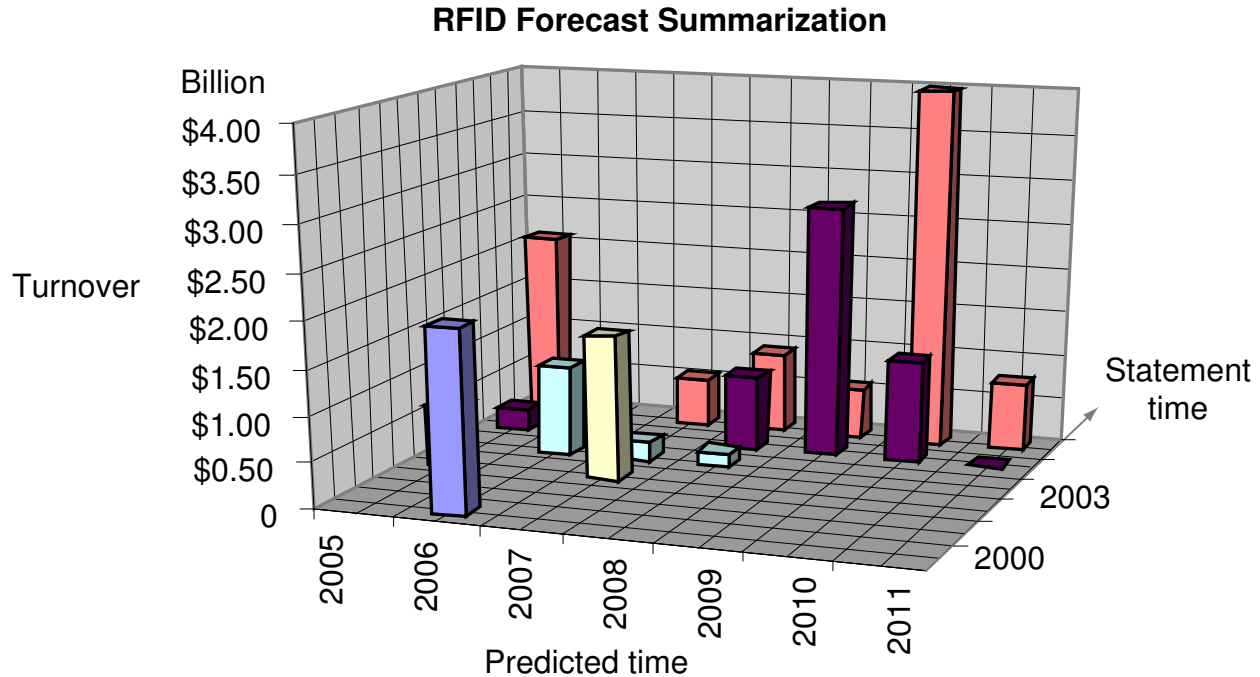


# Topic Identification, UIMA

- Maik Anderka
- Benno Stein

# Topic Identification, UIMA

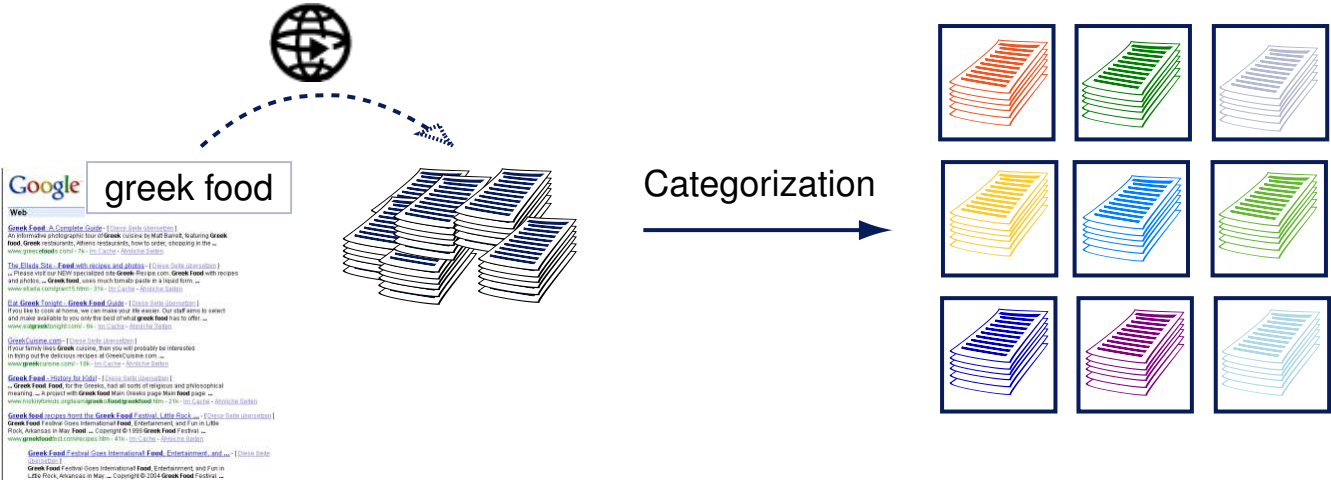
## Information-Extraction-Fragestellungen



Wer hat wann über einen bestimmten Sachverhalt welche Aussage gemacht?

# Topic Identification, UIMA

## Information-Extraction-Fragestellungen



# Topic Identification, UIMA

## Information-Extraction-Fragestellungen

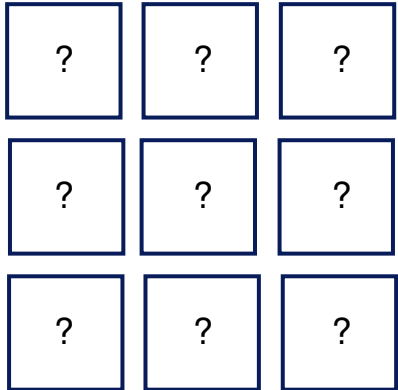


Google

Web

- [Greek Food - A Complete Guide](#) - [View Info](#) [View Images](#)  
An interactive and informative look at Greek cuisine by Mark Bunker, featuring Greek food, Greek restaurants, Athens restaurants, how to order, shopping in the ...  
[www.greekfood.com](#) - [View Info](#) [View Images](#)
- [The Ethnic Site - Food with origins and photos](#) - [View Info](#) [View Images](#)  
... Photos of our food categories on Greek food.com. [Greek Food](#) with recipes and photos. ... [Greek Food](#), what much healthy foods in a liquid form ...  
[www.ethnic.com/food/food\\_09\\_10\\_2008\\_0808a.html](#)
- [Eat Greek Food - Greek Food Guide](#) - [View Info](#) [View Images](#)  
If you like to cook at home, we can make your life easier. Our staff seems to select and make recipes for you and the most great [greek food](#) that to offer ...  
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If you love to eat Greek cuisine, then you will probably be interested in trying out the delicious recipes of [Greek Cuisine.com](#) ...  
[www.greekcuisine.com](#) - [View Info](#) [View Images](#)
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... [Greek Food](#). Of the Greek, had all sorts of regional and philosophical practices. ... a project with [Greek Food](#) Man, [Greece](#) page, [Man](#) [Food](#) page ...  
[www.history.com/topics/greek-food/food.html](#) - [View Info](#) [View Images](#)
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Categorization





# Topic Identification, UIMA

## Technologie

In diesem Projekt sollen die besten Werkzeuge für solche Aufgaben untersucht und mit unserer Technologie kombiniert werden:



- Unstructured Information Management Architecture



alphaWorks

- Text Analytics Tools and Runtime
- Many Aspects Document Summarization Tool
- Interactive Text Classification and Labeling

Netspeak

- Language Model Smoothing
- Erkennung typischer Schreibweisen

# Projektschwerpunkte

## Modelle und Algorithmen

IR, IE: Parsing, Tagging, Shallow NLP,  
maschinelle Lernverfahren

Voraussetzung: Interesse an der Kombination Linguistik/Algorithmen

## SWT, Web

Konzeptionell: Architektur des UIMA-Framework,  
Technologie von IBM alphaWorks,  
Anbindung an [Aitools](#)

Voraussetzung: Interesse an hochwertiger Software-Technik

# Über unsere Projekte

Schwerpunkt gemäß Ihres Interesses:

1. Algorithmen, Datenstrukturen und Theorie des IR, IE, ML
2. Konzepte verteilter Software-Technik

für alle:

- ❑ Software-Design mit UML
- ❑ Umgang mit Design-Patterns
- ❑ gemeinsames Code-Review
- ❑ Erfahrung in der Team-orientierten Software-Entwicklung
  
- ❑ Teilnehmer: 3-4 (1-2 LaborprojektlerInnen möglich)
- ❑ erstes Treffen: nächste Woche (Absprache per Mail/Web-Seite)



# Weitere Lehrveranstaltungen unserer AG [teaching](#)

- Datenbanken  
+ Übung
- Web-Technologie (fortgeschritten)  
+ Übung
- Oberseminar (PhDs und Studierende in Abschlussarbeiten)

"Life sciences is one of the emerging markets at the heart of IBM's growth strategy," said **John M. Thompson**, IBM senior vice president & group executive, Software. "This investment is the first of a number of steps we will be taking to advance IBM's life sciences initiatives." In his role as newly appointed **IBM Corporation** vice chairman, effective September 1, **Mr. Thompson** will be responsible for integrating and accelerating IBM's efforts to exploit life sciences and other emerging growth areas.

IBM estimates the market for IT solutions for life sciences will skyrocket from \$3.5 billion today to more than \$9 billion by 2003. Driving demand is the explosive growth in genomic, proteomic and pharmaceutical research. For example, the **Human Genome Database** is approximately three terabytes of data, or the equivalent of 150 million pages of information. The volume of life sciences data is doubling every six months.

"All of this genetic data is worthless without the information technology that can help scientists manage and analyze it to unlock the pathways that will lead to new cures for many of today's diseases," said **Dr. Caroline Kovac**, vice president of IBM's new **Life Sciences** unit. "IBM can help speed this process by enabling more efficient interpretation of data and sharing of knowledge. The potential for change based on innovation in life sciences is bigger than the change caused by the digital circuit."

Apache UIMA mailing lists:

Users - [uima-user@incubator.apache.org](mailto:uima-user@incubator.apache.org)  
 Developers - [uima-dev@incubator.apache.org](mailto:uima-dev@incubator.apache.org)  
 Commits - [uima-commits@incubator.apache.org](mailto:uima-commits@incubator.apache.org)

Legend

- EmailAddress
- Name
- PersonTitle
- Token
- Sentence
- DocumentAnnot...

Select All    Deselect All    Hide Unselected

Click In Text to See Annotation Detail

