

# gSemSearch: Entity Relation Search in Text as Graph

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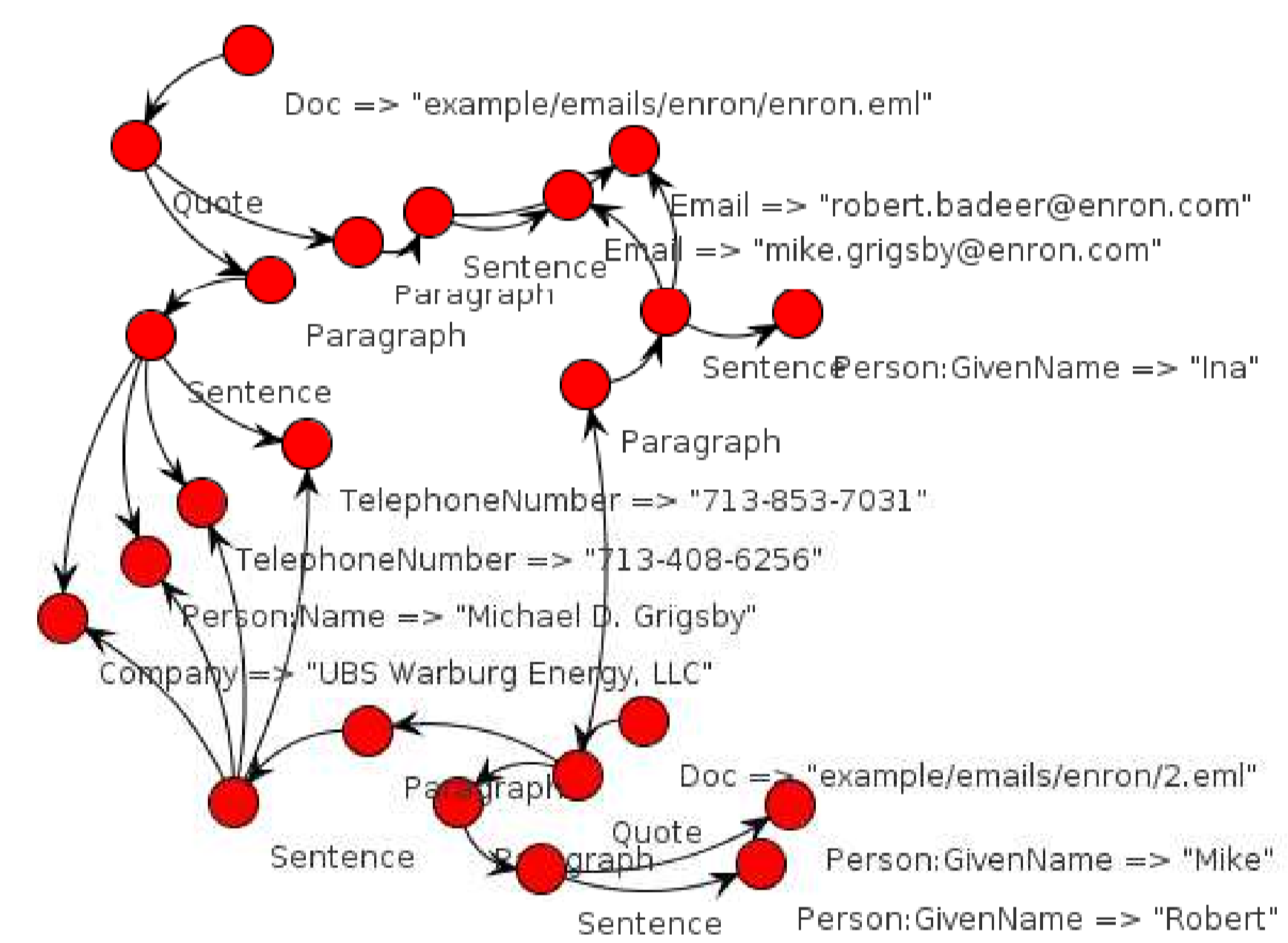
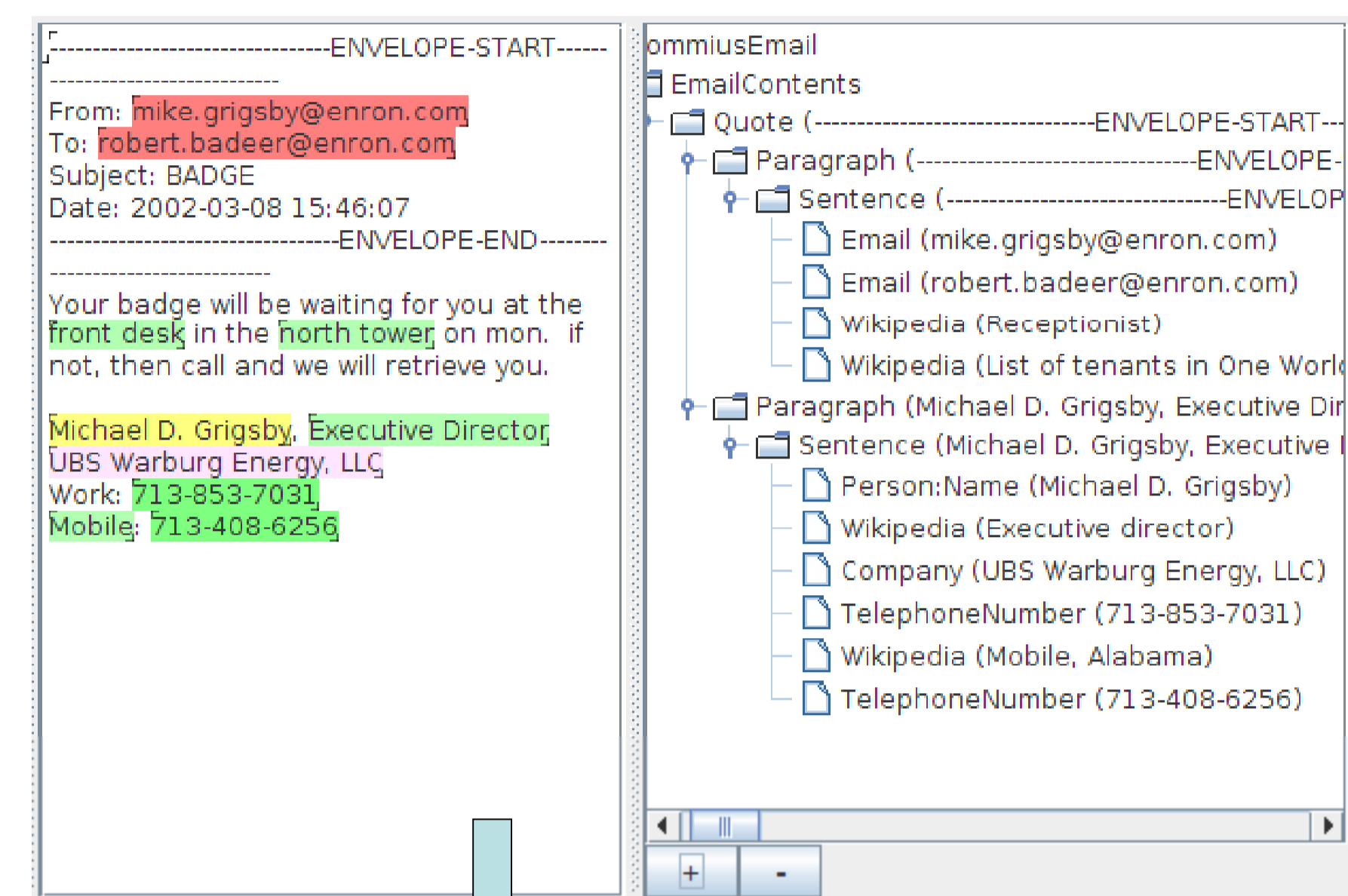
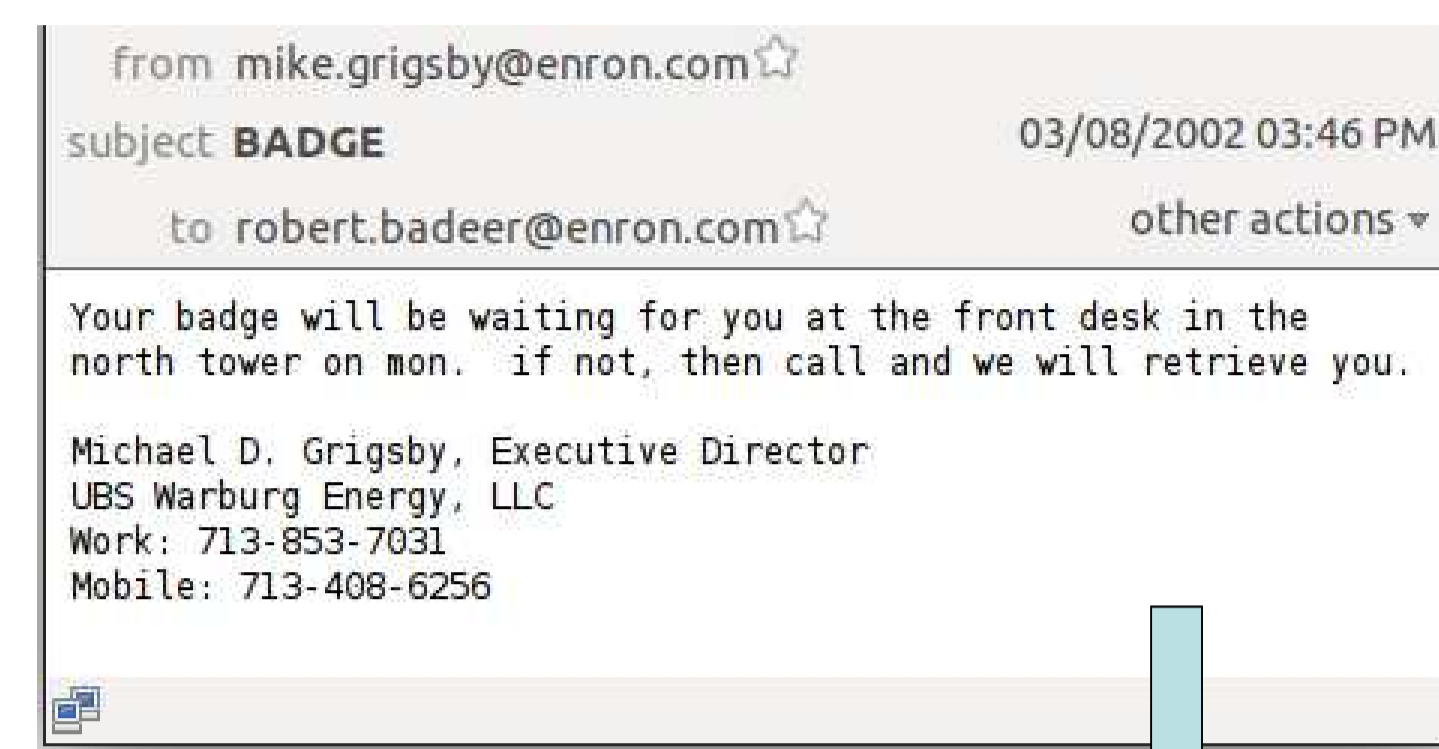
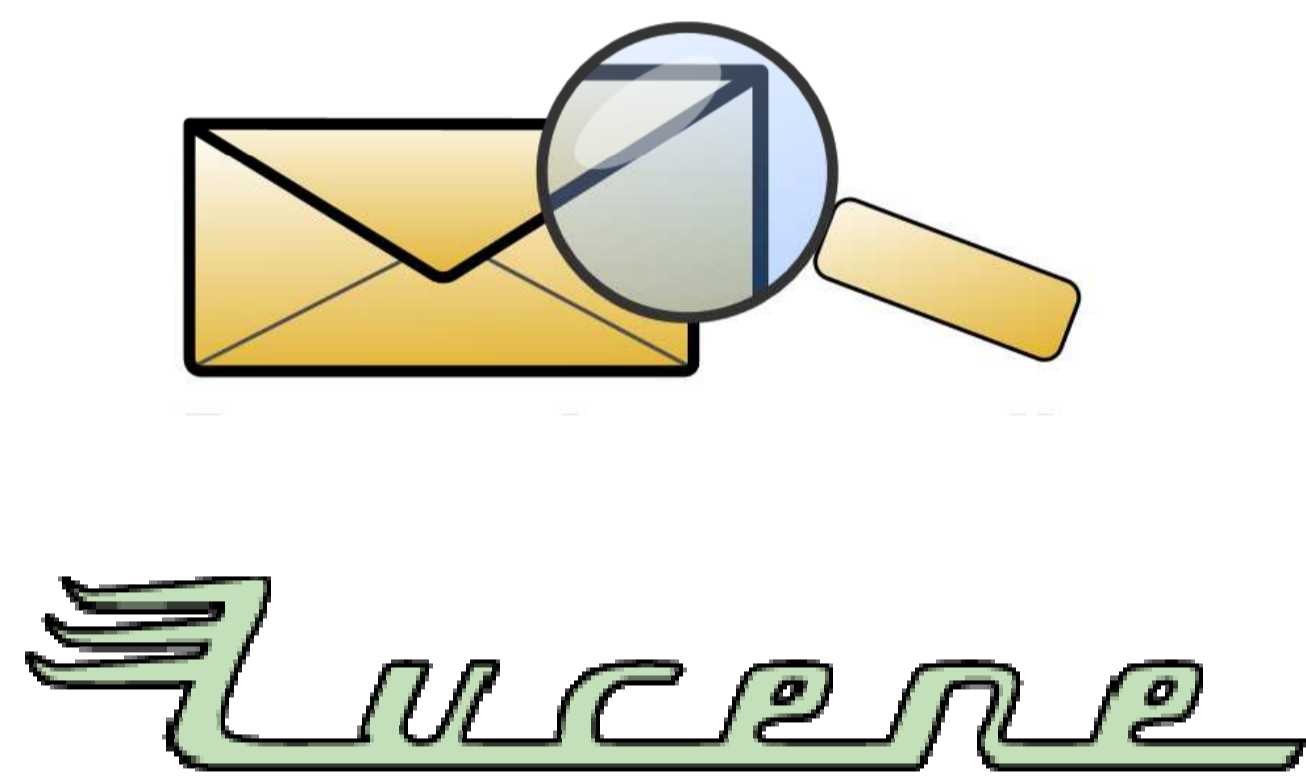
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## Motivation

To exploit information and knowledge hidden in email communication, documents or on the web

## Approach

- Entities extraction like People, Organizations, Locations, Contact data
- Forming semantic trees and graphs or information networks
- User interaction with graph data



## Used Technology

- Regular Expressions
- Java Mail
- Lucene

## Used Tools

- Ontea
- gSemSearch
- SGDB

## Features

- Creating of network of interconnected entities
- Discovering relation in the Graph (network) using spread of activation algorithm
- Showing relations of concrete type, e.g. telephone numbers related to a person
- Navigation over related entities
- Full-text search of the entities
- User interface for search
- User interaction with data (merging, deleting entities) with immediate impact on discovered relations and further information extraction learning
- Created networks have similar properties such as other information networks

