

# Revisited: Personal Digital Assistant

Upon logging in, you are presented with a list of emails, sorted in order of importance by your PDA.

You are then presented with a list of news articles; your attention is drawn to one particular article, which describes a new work related to your own.

After an electronic discussion with a number of other agents, your PDA has already obtained a relevant technical report for you from an FTP site, in the anticipation that it will be of interest.

# Personal Assistants Information Agents i Bibliography agents i Search agents i Web browsing assistants i News agents Email agents Calendar agents Travel assistants

# What;s Needed?

### Information-oriented

- ¡ Keyword-based information retrieval
- Document classification
- Information integration
- Information understanding

### Person-oriented

- **Objectives**
- Constraints
- Preferences



## **Approaches to Learning**

Similarity-based learning Explanation-based learning Instance-based learning Decision tree learning Reinforcement learning Bayesian learning

Artificial neural networks Genetic algorithms