Supervisor: Prof. Samuel Kaski, Dr. Luana Micallef, Dr. Jaakko Peltonen

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Job description: Interactive systems anticipate the user's intentions and actions, and utilise the predictions in a human-computer loop to provide more natural and efficient user interfaces. We have developed new information retrieval principles with which users can interactively navigate an information space, which are more efficient than standard searches in complex information retrieval tasks.

A key component of the system includes interactive user interfaces and visualizations for the users to navigate and explore the information space, and to provide feedback for the system to better anticipate the user's intentions. We are looking for a summer trainee who wants to contribute to this new and promising research direction, combining machine learning, new interactive interfaces, and new visualization and interaction techniques. In this project, knowledge in information visualization, human-computer interaction and programming skills are useful.

Additional information: http://research.ics.aalto.fi/mi/research.shtml