

Bachelor thesis topics

Aske Plaat, Fons Verbeek, Matthijs van Leeuwen, Siegfried Nijssen, Jaap van den Herik, Joost Kok, Arno knobbe, Katy Wolstencroft, ...

1 december 2015



Data Science



- Finding patterns in data sets
- LUMC/FSW: Classification of brain scans for identifying dementia
- KLM: Finding inattentive pilot behaviour from flight data
- ING: Finding suspicious credit card transactions
- LUMC: finding good blood transfusion results in IC data
- Sports: Finding optimal training patterns for athletes
- Casino: Finding which slot machine parameter setting is behaviorally optimal
- Aegon: Customer Intelligence Analysis
- UNGP: Twitter data analysis
- Shipping: Fuel Efficient Shipping



Games

- Using Information Theory (MDL) to generalize knowledge in end-game databases
- Visualize pattern spaces/state-spaces of games
- Complexity: Study phase transitions as board size grows



Parallel Programming

- Spreadsheet backend on parallel computer (DAS)
- Compare Work Scheduling versus Data Scheduling on parallel computer (DAS)
- Profiling of Astronomy Imaging pipeline
- Unlimited precision Astro simulations

