

Möjlig handledning inom datavetenskap våren 2017

- Ion Petre (<http://users.abo.fi/ipetre/>)
Computational methods in systems biology
in particular modeling of reaction networks, control-based approaches,
methods for model comparison, quantitative model refinement
Automata theory
Mathematical structures in computer science
- Mats Aspнас (<http://users.abo.fi/Mats.Aspnas/>)
Parallell programmering
Kodoptimering
Tillämpningar av parallell programmering
- Sepinoud Azimi (<https://research.it.abo.fi/people/sazimi>)
Quantitative model refinement
Computational processes in living cells
- Tomas Eklund (<https://research.it.abo.fi/people/toeklund>) (Uppsala Universitet)
Data and text mining
Financial benchmarking and performance analysis
Förutsägelse av konkurs
Kundsegmentering
Market basket analysis
Monitoring financial stability
- Mats Neovius (<http://users.abo.fi/Mats.Neovius/>)
Modelling of context and context-awareness
Modellering av mätningssystem på ett formellt följsamt sätt
Ubiquitous systems
Collaborative filtering (e.g. Netflix Spotify)
Similarities and clustering
- Luigia Petre (<http://users.abo.fi/lpetre/>) (moderskapsledig)
Formal methods
Refinement-based methods for software development
Time- and space-dependent computing
Integration of formal methods
Network modeling and analysis
Smart electrical grids
Network-on-chip architectures
Wireless sensor-actor networks
Multi-core systems
Non-functional properties
Energy-aware computation
Network availability

Vladimir Rogojin (<http://www.vrogojin.net/>)
Graph-theoretic computational methods and tools
Analysis and simulation of cellular networks for predicting key genes and drug targets related to oncogenic diseases

Petter Sandvik (<http://users.abo.fi/Petter.Sandvik/>)
Distribuerade system
P2P-nätverk
Media streaming

Patrick Sibelius
Logik
Matematikens grunder inom DV
Mönsterigenkänning

Annamari Soini (<http://users.abo.fi/soini/>)
Programmering
IT-undervisning
Könsroller inom IT
Sociala aspekter inom IT

Elena Troubitsyna (<http://users.abo.fi/Elena.Troubitsyna/>)
Dependable and resilient software-intensive systems
Formal modelling and verification methods
Model-driven engineering for dependability and resilience
Safety-critical and fault tolerant systems
Stochastic methods for dependability and resilience
Integrated modelling approaches
Cyber security

Marina Waldén (<http://users.abo.fi/marina.walden/>)
Formella metoder
Integration med industritillämpningar
Den formella utvecklingsprocessen
Agila metoder
Grafiska gränssnitt till FM (UML, Simulink)
Distribuerade system
Mobila distribuerade system (multi-robotssystem, kontrollsystem för drönare)
Systemspecifikationer

Forskningslaboratorier

Computational Biomodeling Laboratory (Combio Lab)

<http://tucs.fi/research/research-units/combio/>

Forskningsledare:

[Ion Petre](#)

Distributed Systems Laboratory (DS Lab)

<http://tucs.fi/research/research-units/dslab/>

Forskningsledare:

[Luigia Petre](#)

[Marina Waldén](#)