

INS3:2005-2010

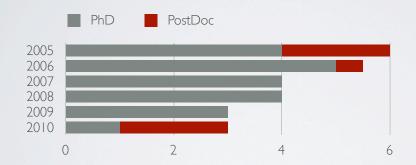
VISUALIZATION AND 3D USER INTERFACES

GROUP LEADER: PROF. R. VAN LIERE CLUSTER: INFORMATION SYSTEMS SOCIETAL THEME: DATA EXPLOSION

CWI

COMPOSITION

• Senior staff: R. van Liere

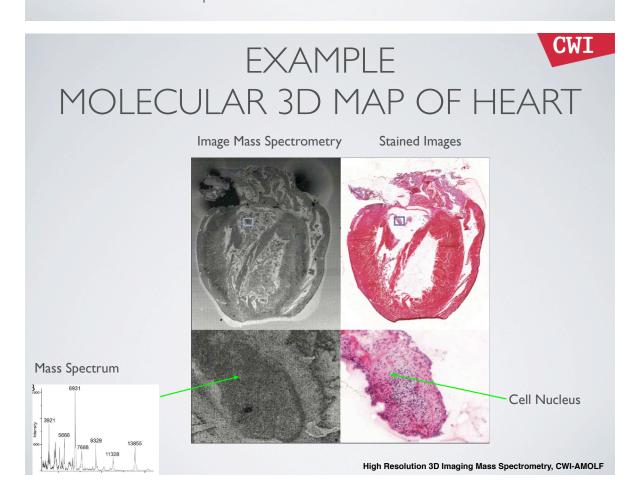


Advisor : Prof J. van Wijk (TU/e)



RESEARCH AREA

- Scientific Visualization and 3D user interfaces
 - large, multi-modal, multi-scale data sets
 - microscopy in the life sciences
- Long term goals:
 - Visual Analytics for microscopy
 - 3D interactive spaces for scientific visualization



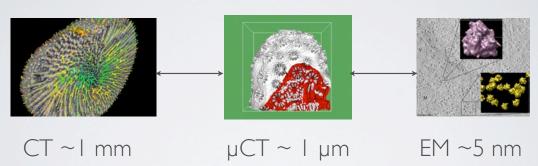
ACHIEVEMENTS

- 4 PhDs as 1st promotor, IPhD co-promotor
- 16 journal, 32 proceeding publications, 1 book
- P.I. of 5 NWO / BSIK funded projects
- Spin-off: PS-tech in 2005, currently 12 fte

CURRENT CHALLENGES

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- Interactive multi-level visualization
 - · Our approach: multi-scale data modeling



Is this approach also applicable in other domains?

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SWOT

- Strength: Internationally visible. Multi-disciplinary projects
- Weakness: One senior, this has hampered growth potential
- Opportunities: Visual analytics for data intensive research (eg microscopy, software)
- Threats : Funding for multi-disciplinary projects. Qualified personnel

STRATEGY

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- Leverage knowledge from visual analytics for microscopy to other domains
- New partnerships within computer science
 - · Visual analytics for software engineering
 - "One-stop shop" with SENI