

Cluster Software Engineering

SEN

Paul Klint

SEN

a broad software engineering agenda

Paul Klint
SEN1 &
clusterleader



Frank de Boer
SEN3



Han LaPoutre
SEN4



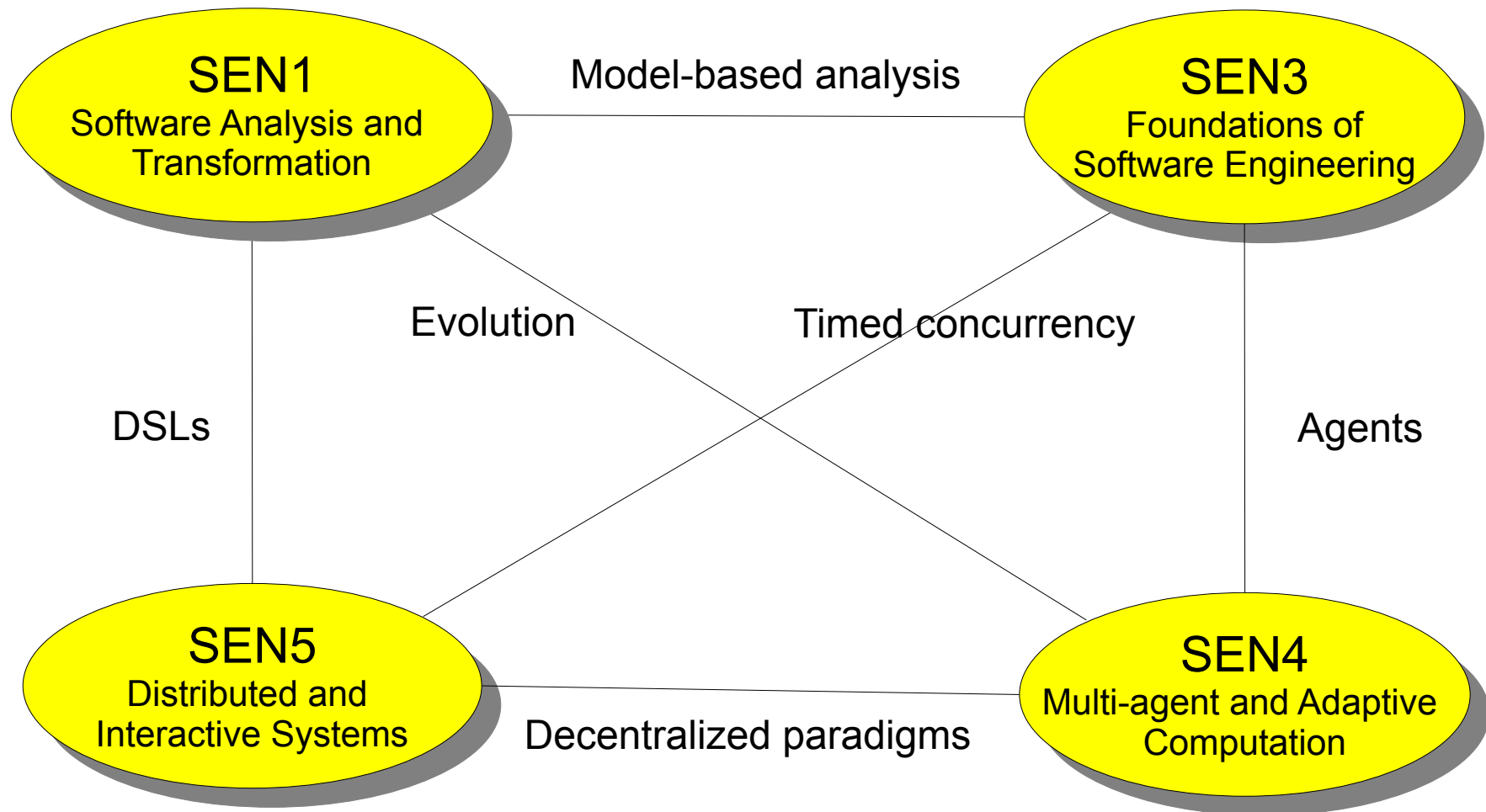
Dick Bulterman
SEN5

SEN

a broad software engineering agenda

- SEN1: Software Analysis & Transformation
 - Software renovation; DSLs; forensics; auditing
- SEN3: Foundations of Software Engineering
 - Co-algebra; coordination; multi-core programming
- SEN4: Multi-agent and adaptive computation
 - Logistics; Energy; Economics
- SEN5: Distributed and Interactive Systems
 - Multi-media authoring and time-bounded delivery

SEN: Thematic Cohesion



SEN: Research

a broad software engineering agenda

Contribution to all strategic themes:

- Earth and Life Sciences (SEN1, SEN3)
- Data explosion (SEN1, SEN5)
- Societal logistics (SEN4)
- Software as service (SEN1, SEN3, SEN4, SEN5)

SEN: Personnel

- 299 FTE in the period 2005-2010
- On Average: 50 FTE/year
- 16% tenured staff
- 12% Univ. professors (7)



SEN: Productive

- 1362 publications
- 227 on average/year
- 4.6 pub/FTE/year



SEN: Responsible

- SEN1, SEN4 and SEN5 have integrated researchers and programmers from other parts of CWI
- Many duties in academia (PhD committees, etc.)
- High-profile positions in science policy:
 - Chair IPN
 - Member TWINS (Royal Academy Scientific Council)
 - Member many NWO selection committees
 - Scientific committee Dagstuhl, Lorentz Center, ...
- Strategic networking: ICT Labs, INRIA

SEN: Role of Cluster

- Common global view on research
- Strong, responsible, group leaders
- Mutual coaching group leaders in trusted context
- Platform for discussing common concerns
 - Joint proposals
 - Getting good PhD candidates
 - Internal organization/communication CWI
 - (CWI and general) funding for computer science
- Social platform

SEN: Social Event (June 24)



Naarden (City rights since 1300)



CWI

SEN: Social Event (June 24)



Further Background

- www.cwi.nl/sen1
- www.cwi.nl/sen3
- www.cwi.nl/sen4
- www.cwi.nl/sen5

