

SEN Symposium

December 3rd, 2014
Amsterdam

<http://www.sen-symposium.nl>

#sensym2014

What is Software
Engineering?

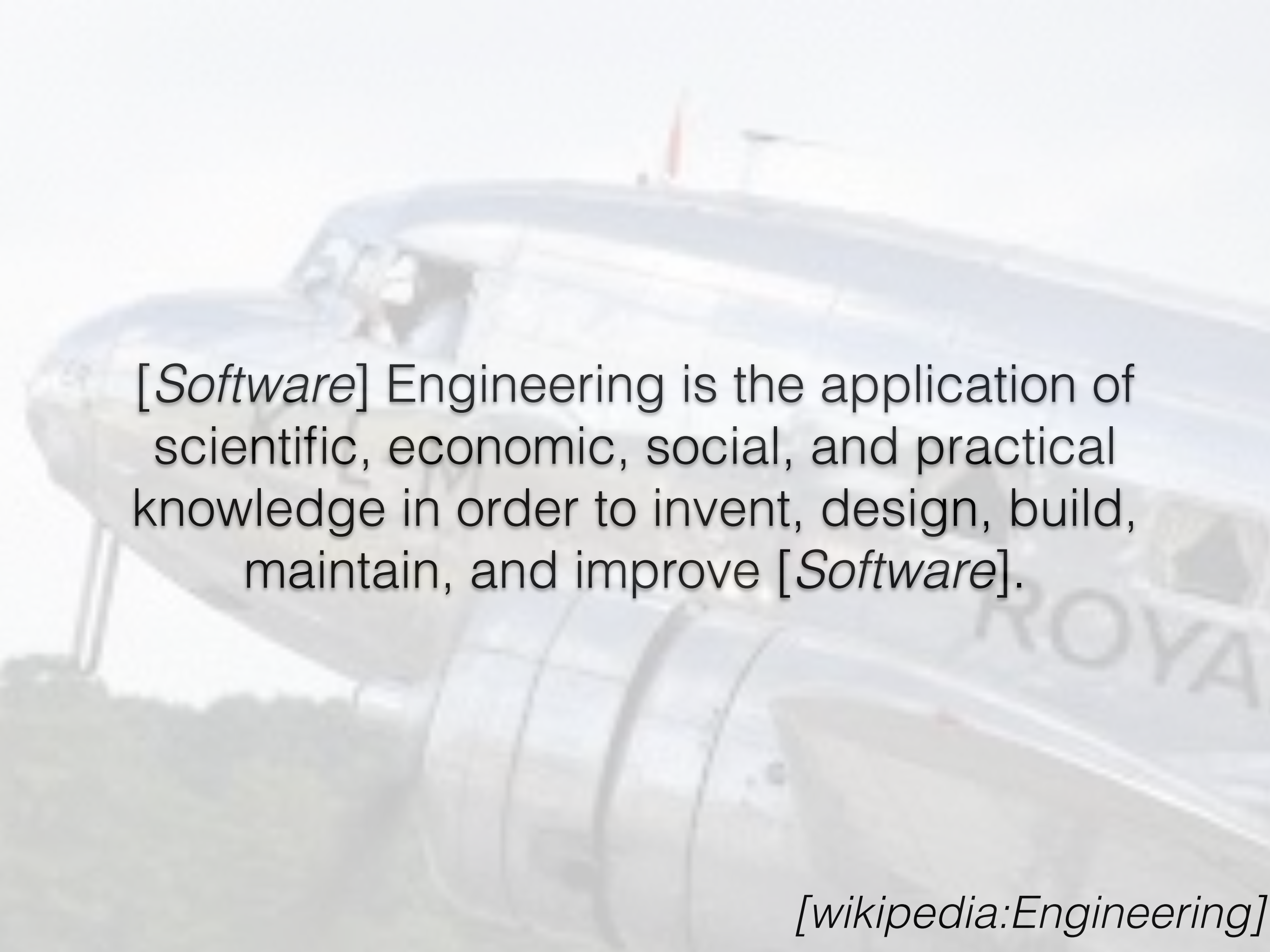
Normative Perspectives

- SE is **Engineering** - measurable, predictive, trusted
- SE is **Mathematics** - correct, fundamental, elegant
- SE is a **Science** - methodical, discovery, truth
- SE is a **Business** - economical, risk, value
- SE is a **Craft** - qualitative, ethical, pride
- SE is an **Art** - surprising, reflective, beautiful
- SE is a **Game** - complex, competitive, fun



Wicked Problem





[*Software*] Engineering is the application of scientific, economic, social, and practical knowledge in order to invent, design, build, maintain, and improve [*Software*].

[*wikipedia:Engineering*]

Why are we
together?

Software is not the supporting act (anymore)



Printing Press



Erasmus



Book



Internet



Tim Berners-Lee



Web

Computer



Dijkstra



Software



Software Society

- We have *impact*
 - but we need to be more visible
- We have *responsibility*
 - but we need to be heard more
- We have professional *networks*
 - but we need to work together more





SEN

Symposium

- **Yearly**
- **Inclusive**
- **Excellent speakers**
- **Topical posters**
- **Discussion**
- **Networking**

Agenda



- Speaker pairs entertain for 25 minutes each
- Audience + speakers discuss for 15 minutes
- Posters are presented during {breaks,lunch,reception}
- Twitter tag **#sensym2014**
- {**Red,green**} cards to signal {**disagreement, agreement**}



Program

Time	Speaker	Title
08:30-09:15		Doors open
09:15-09:30	Jos Baeten, Frank de Boer, Jurgen Vinju	Welcome
09:30-10:45	Paul Klint Paris Avgeriou	The Revenge of the Coroutines Technical Debt: looking for new solutions for an old problem
10:45-11:00		Coffee break
11:00-12:15	Jaco van de Pol Patricia Lago	Power optimisation for multi-processor dataflow applications Software with Energy
12:15-13:15		Lunch
13:15-14:30	Eelco Visser Sjaak Brinkkemper	A Language Designer's Workbench Software Production: fundamental research for the software society
14:30-14:45		Coffee break
14:45-16:00	Farhad Arbab Mark van den Brand	Composition of Concurrency Model Driven Engineering and Functional Safety
16:00-16:15		Coffee break
16:15-17:00	Erik Meijer	Contravariance is the Dual of Covariance Implies Iterable is the Dual of Observable (Making Money Using Math)
17:00-18:00		Reception