



Sioux Technologies | Hot-or-Not

The Future of System Engineering

Servitization technologies & trends

Wednesday April 14, 2021

16:30 hrs opening by Arend-Jan Beltman, Sioux



WELCOME



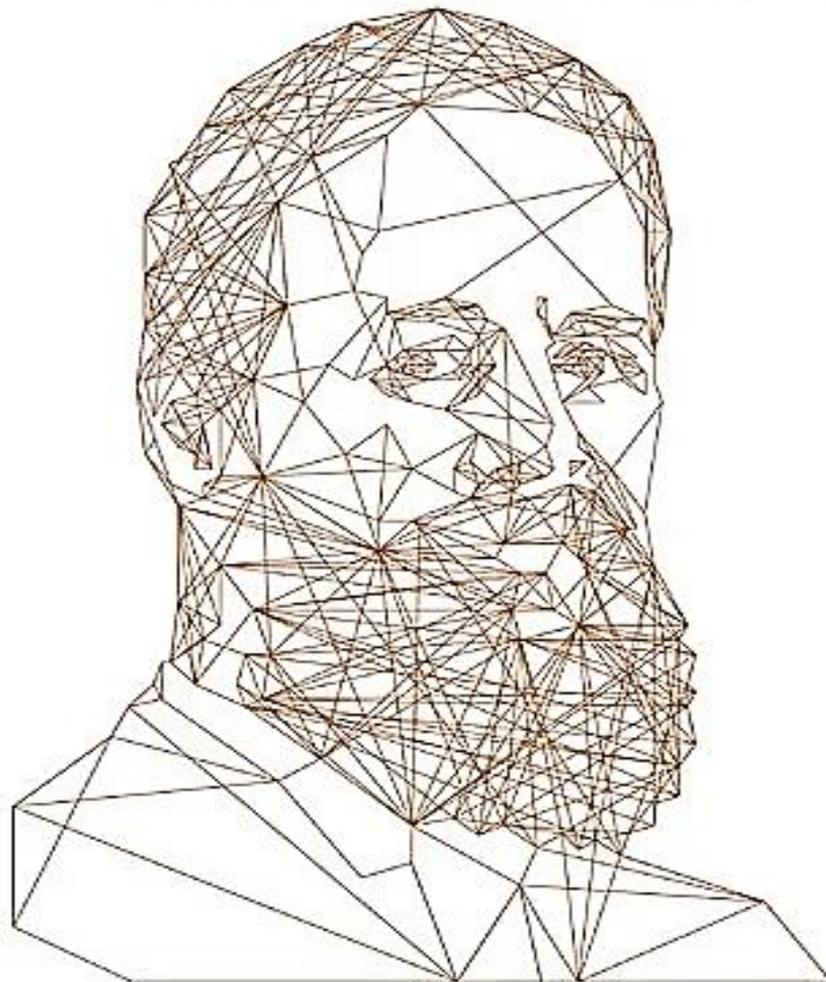
Please use the **chat** to inform us with your question.
We will call you to be present in the live stream.

Programme

- 16:30 - 16:45 hrs Opening by Arend-Jan Beltman, Sioux Technologies
- 16:45 - 17:30 hrs Keynote by Prof. E.J. Nijssen, Innovation,
Technology Entrepreneurship & Marketing, TU/e
- 17:30 - 18:00 hrs Dialogue session

Jim Stolze

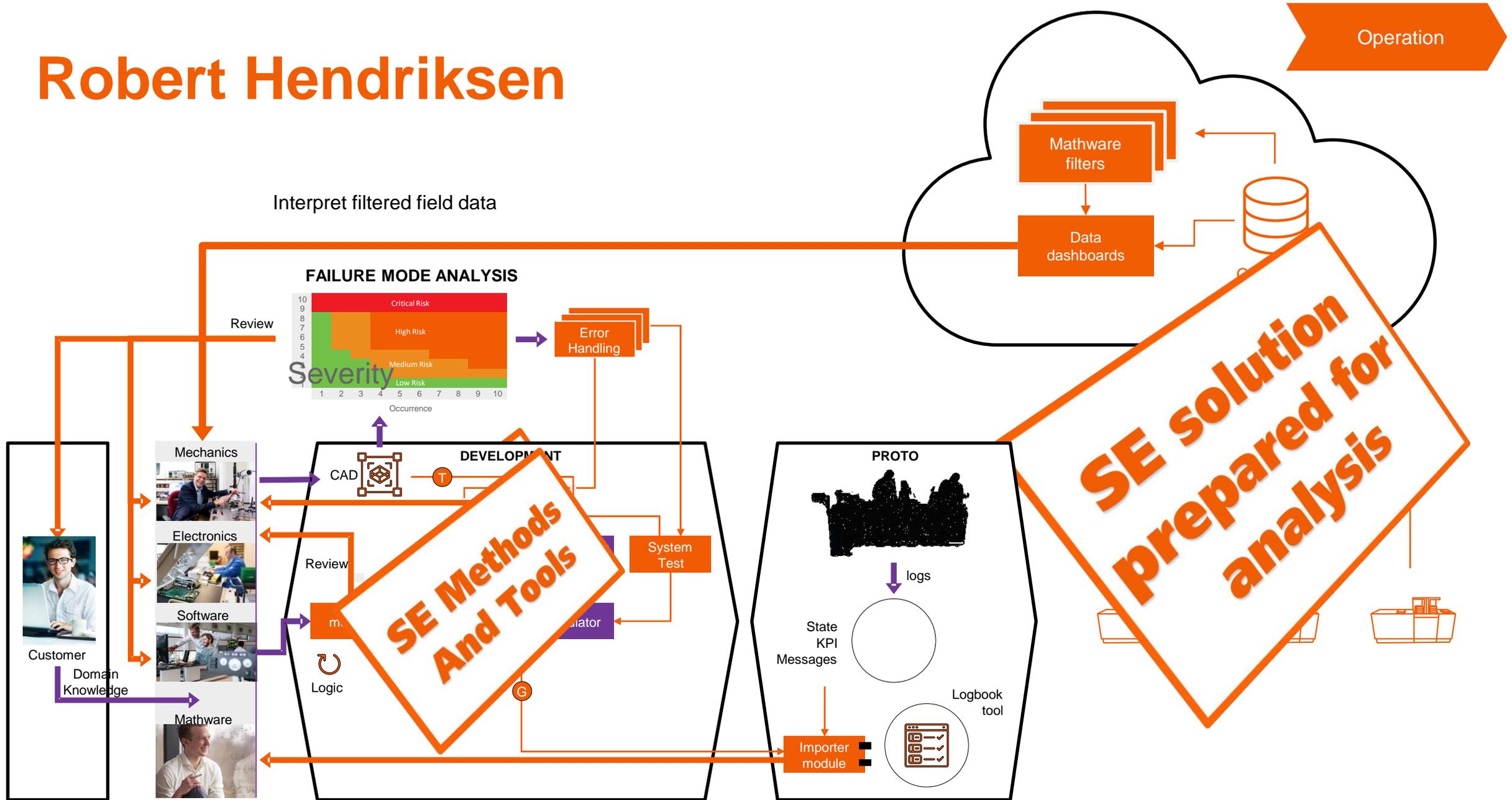
Algoritmisering,
wen er maar aan!



Leven, werken en geld verdienen
met kunstmatige intelligentie

Robert Hendriksen

Operation



Prof. Jan Bosch

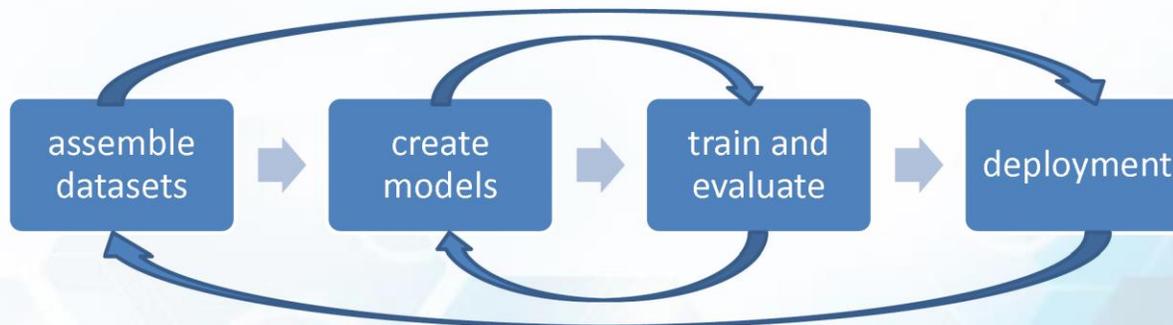
Business Evolution

Where The Effort Goes ...

1.

2.

3.



Amount of effort 

Amount of attention 

**Speed, data
and
ecosystems!**

What is Systems Engineering?

Definition of Competence:

“Demonstrates **skills**¹ **methods**² to handle **technology**³ and **manage**⁴ the **domain(s)** specific **complexity** with appropriate **tools**”

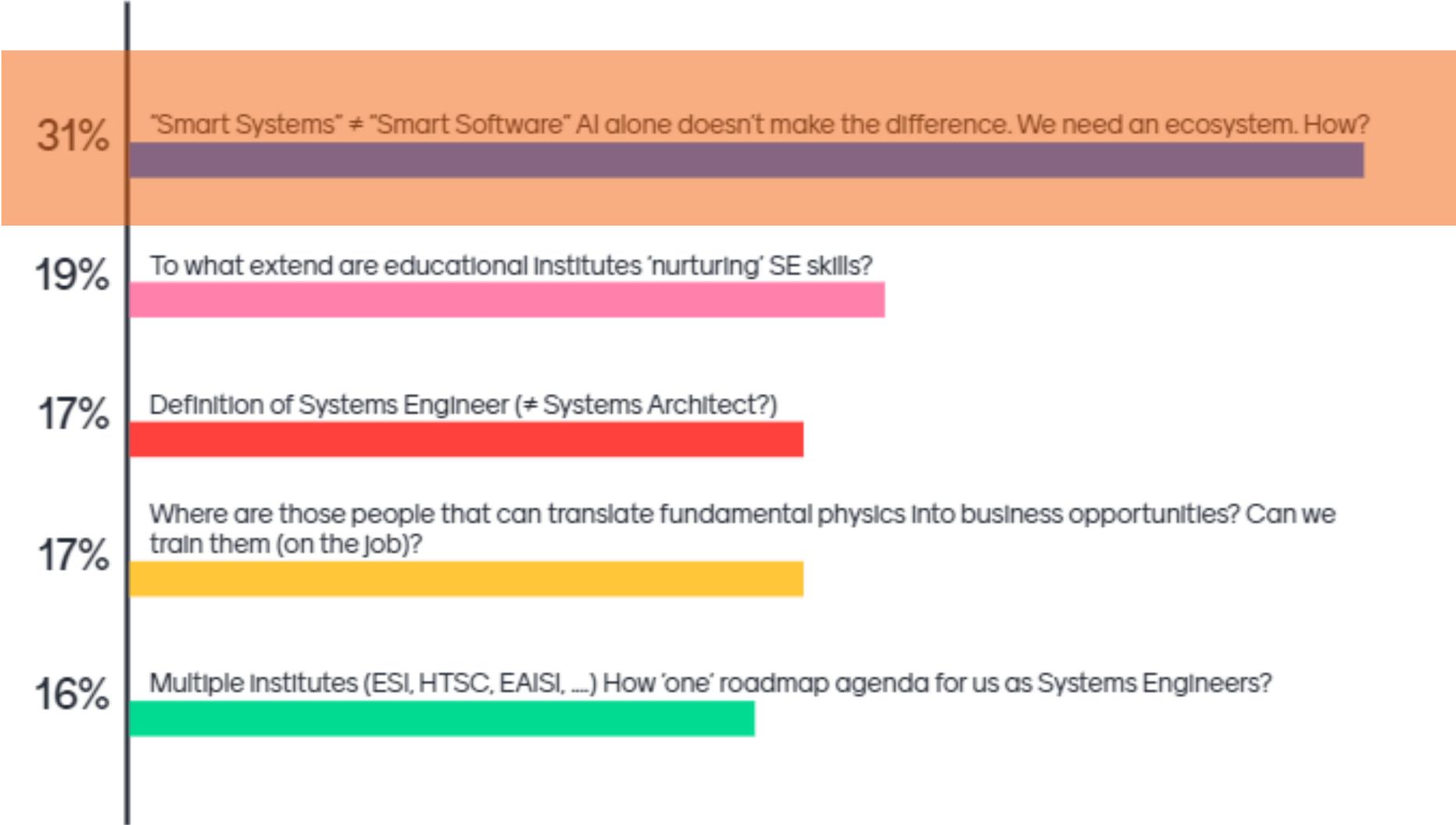


Nov. 2020 episode on:

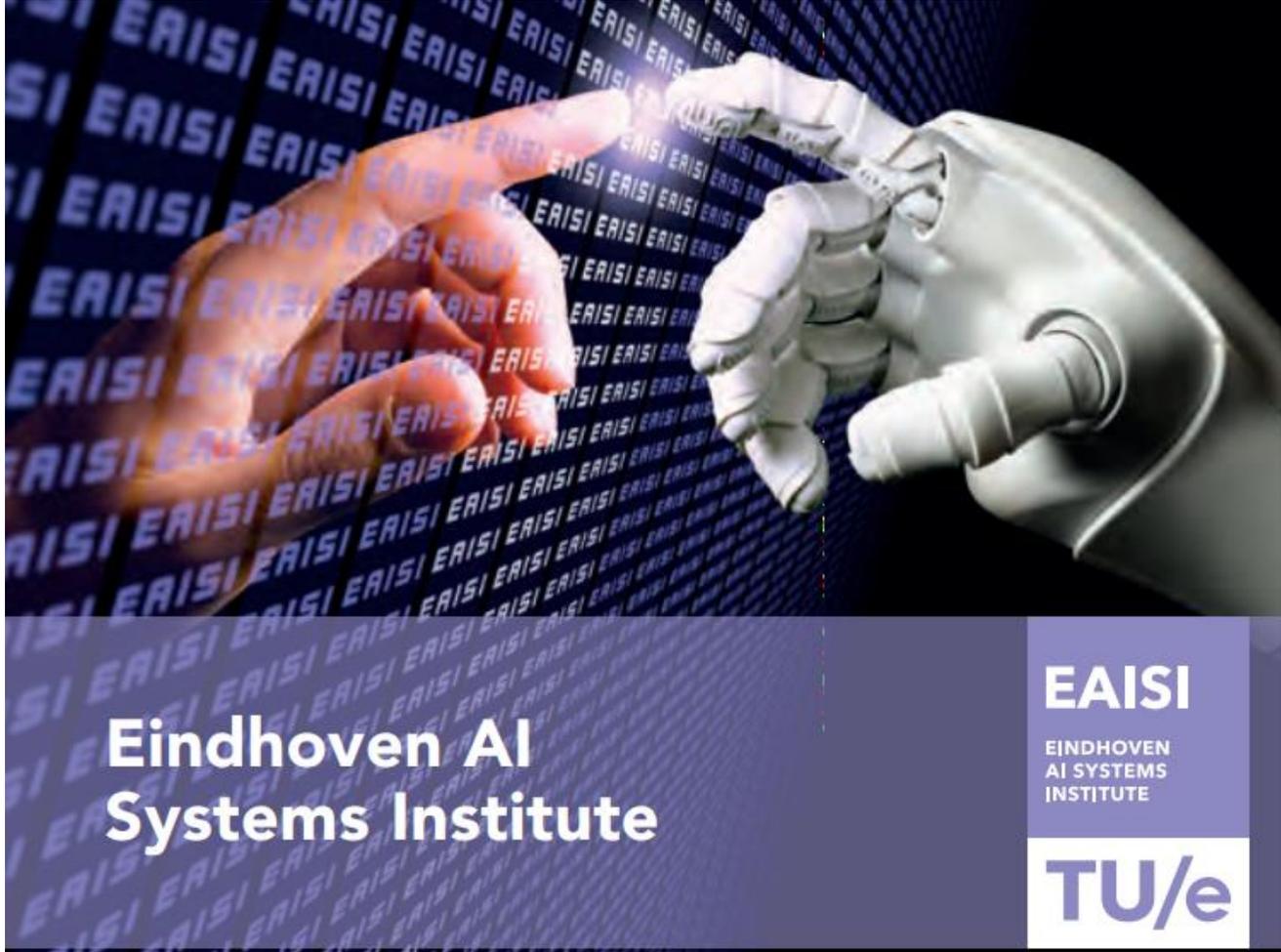
Skills & Methods



Methods & Skills



Georgo Angelis



“AI FOR THE REAL WORLD”

High-Tech

Feb. 2021 episode on:

Management



Management

10 February 2021



Wouter Leibbrandt



“EMBEDDING SYSTEMS THINKING”

Wouter Leibbrandt



We are talking complex systems here ...
Standard project management practices

Tensions

Analysis

Synthesis

System thinking managers

3. Daarius methodology

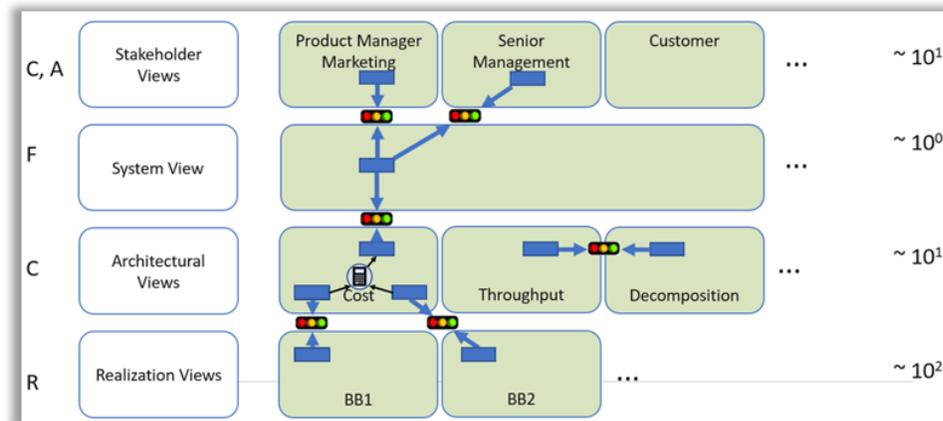
Daarius is a structured, scalable, and team-based system design methodology providing traceable underpinning for key design decisions and leveraging the abundance of simple executable models in systems engineering.

- Team-architecting (replacing super-hero architect)
- Dilemma handling
- Trade-off handling
- Communication across organization

CAFCR based solution space analysis

Allows to stepwise fill and track solution space

- First: criticals
- Then: essentials
- Finally: others



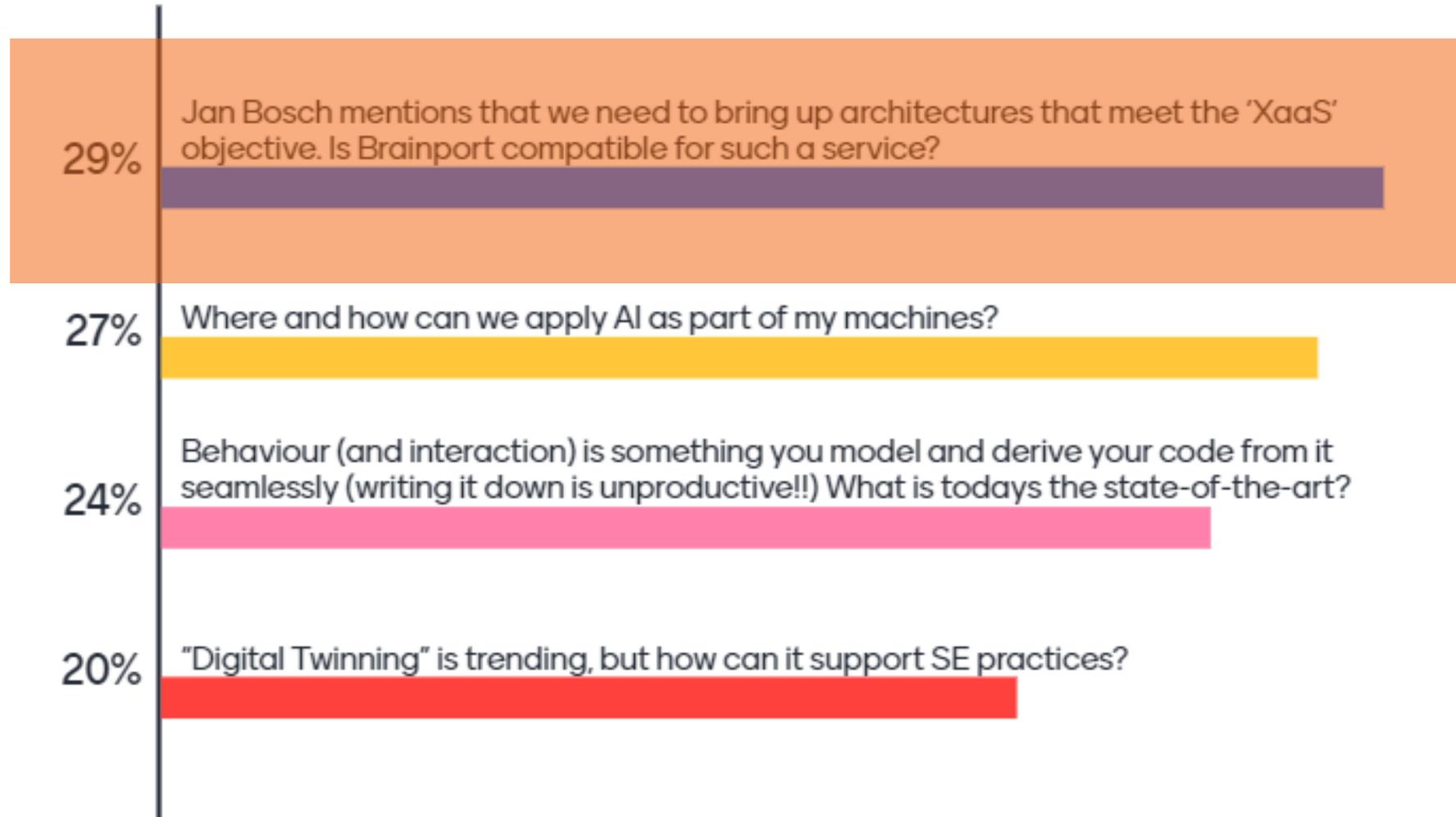
Apr. 2021 episode on:

Technologies & Trends



Technology & Trends

14 April 2021



Bridging the gap between Tech, Market & People



DE VERBINDING
TUSSEN TECHNOLOGIE,
MARKT EN MENS

| ESCF-workshop: servitization sleutel tot versterking
concurrentiepositie

European Supply Chain Forum



[Home - ESCF \(europeansupplychainforum.nl\)](https://europeansupplychainforum.nl)

One of the initiators 'Servitization Community'



Ed J. Nijssen

prof.dr.

Hoogleraar, Industrial Engineering and Innovation Sciences, Innovation
Technology Entrepreneurship and Marketing

E-mail

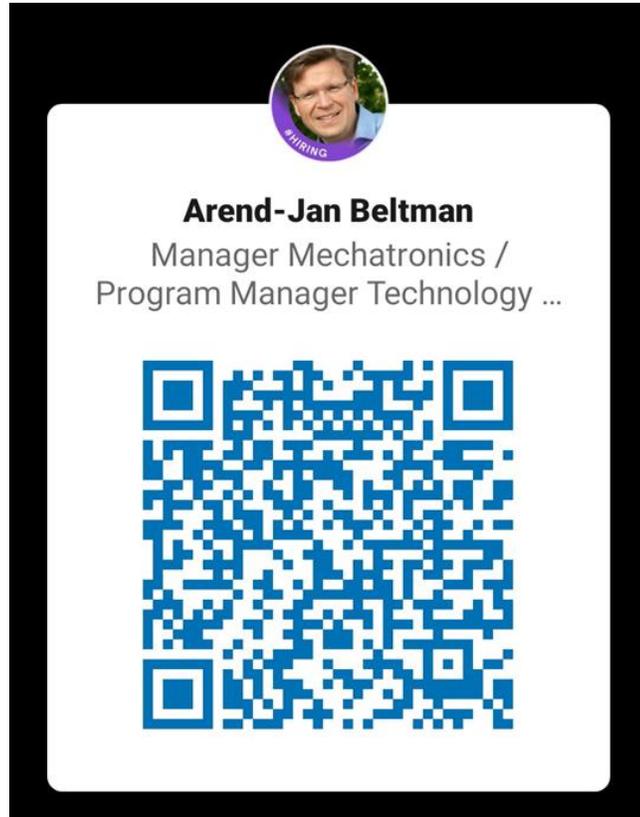
E.J.Nijssen@tue.nl

Save the date theme session:

- ✓ 11 Nov 2020 Ecosystem for AI (Methods & Skills)
- ✓ 10 Feb 2021 Systems Thinking (Management)
- ✓ 14 Apr 2021 Servitization (Technology & Trends)
- **09 Jun 2021** **Connectivity & Interoperability? (Tools)**



The future at Sioux Technologies?



Let's get connected!



**Thank you for being with us,
see you next time in June!**