



Sioux Technologies | Hot-or-Not

# The Future of System Engineering Methods & Skills

Wednesday November 11, 2020

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





please turn your camera **OFF**



please **MUTE** your microphone, to prevent background noise



please **OPEN** the chat, so that if you have any questions during the presentation you can write your question in the chat, and we get back to you.



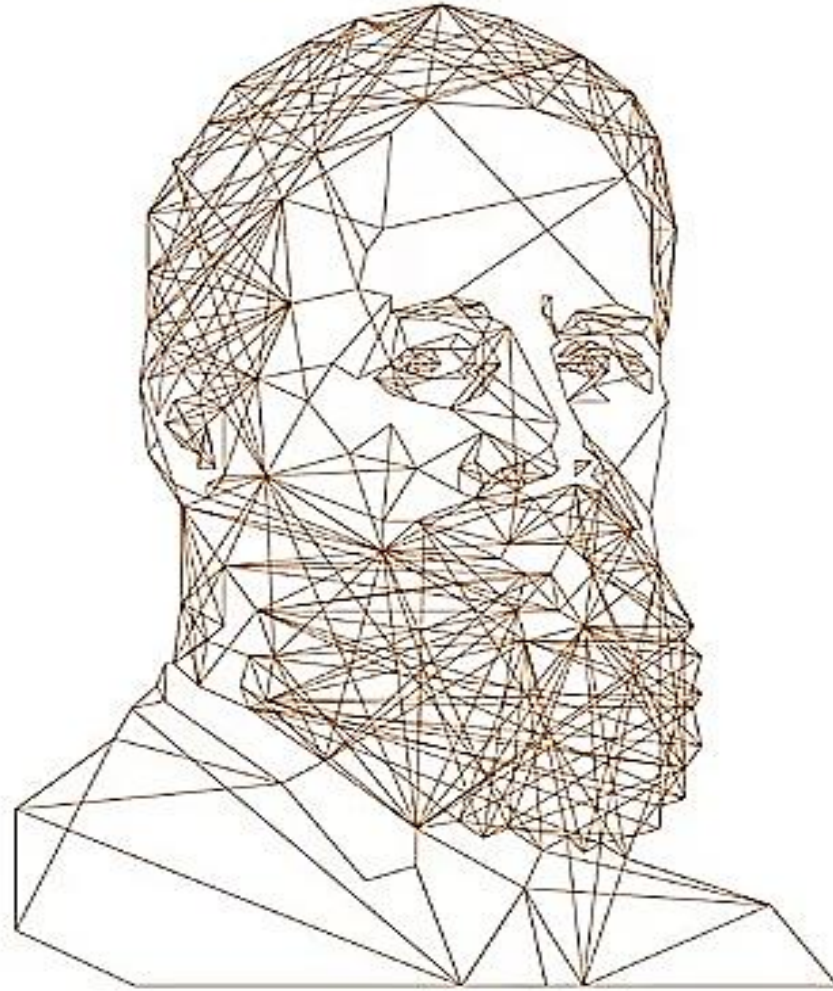
Or **raise your hand** if you have any questions during the presentation, and we will give you the stage!

# Agenda

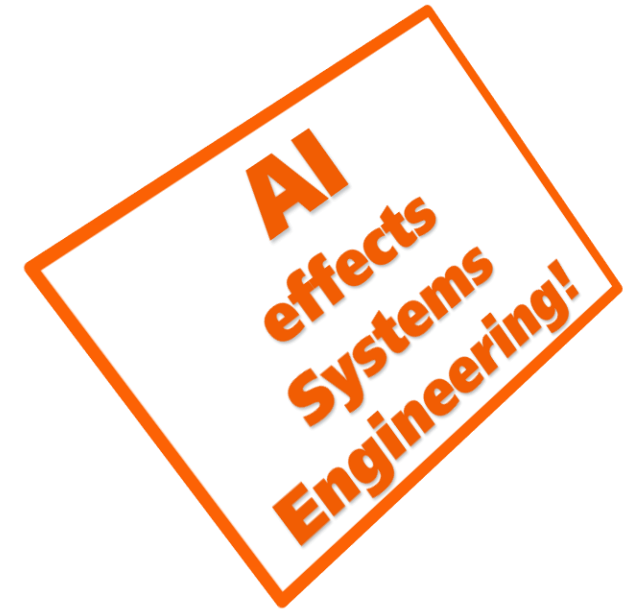
- 16:30 - 16:45 hrs Opening by Arend-Jan Beltman, Sioux Technologies
- 16:45 - 17:30 hrs Keynote by Georgo Angelis, TU/e EAISI
- 17:30 - 18:00 hrs Dialogue session

# Jim Stolze

Algoritmisering,  
wen er maar aan!



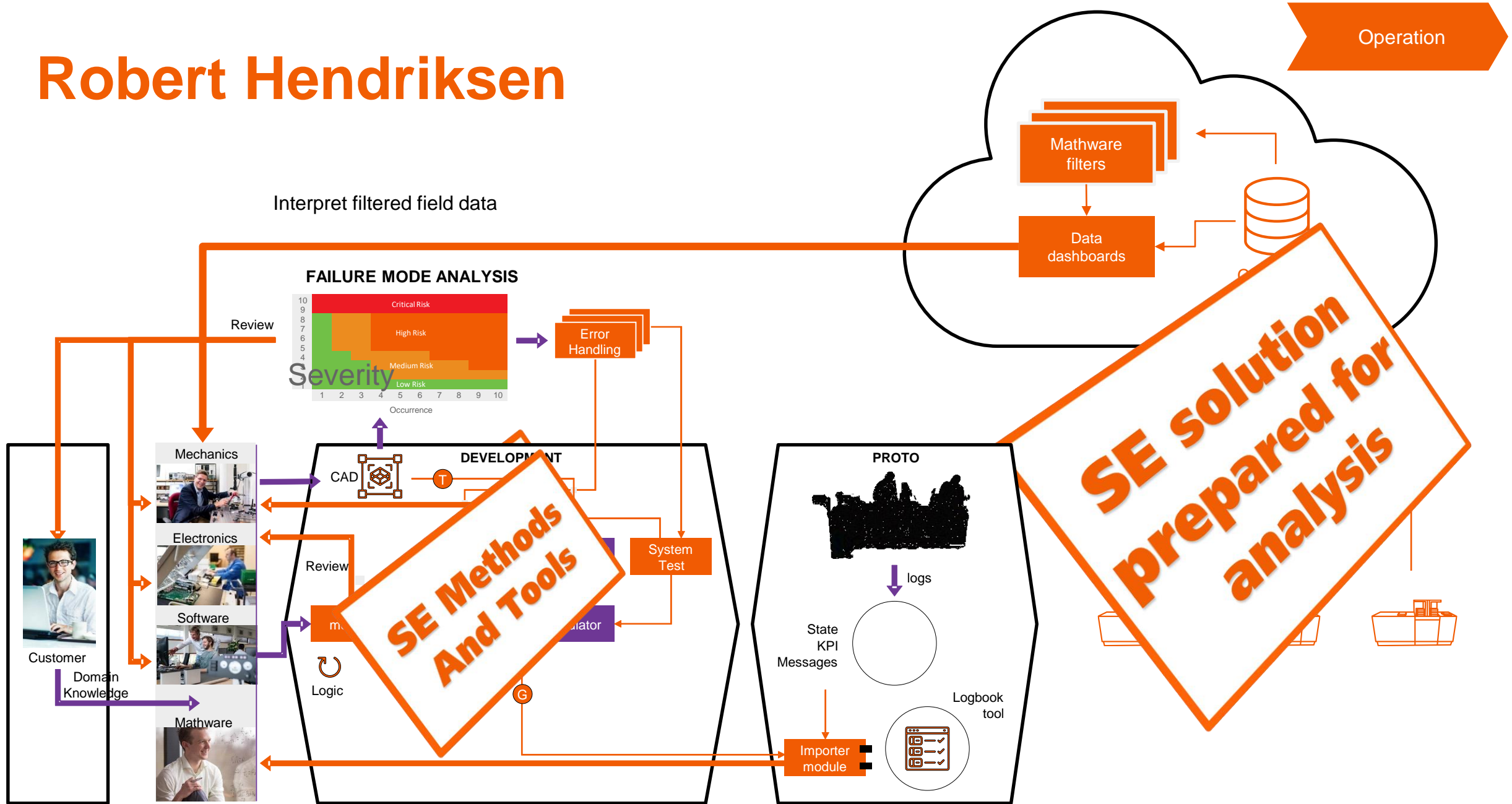
Leven, werken en geld verdienen  
met kunstmatige intelligentie





# Robert Hendriksen

Operation



# Prof. Jan Bosch

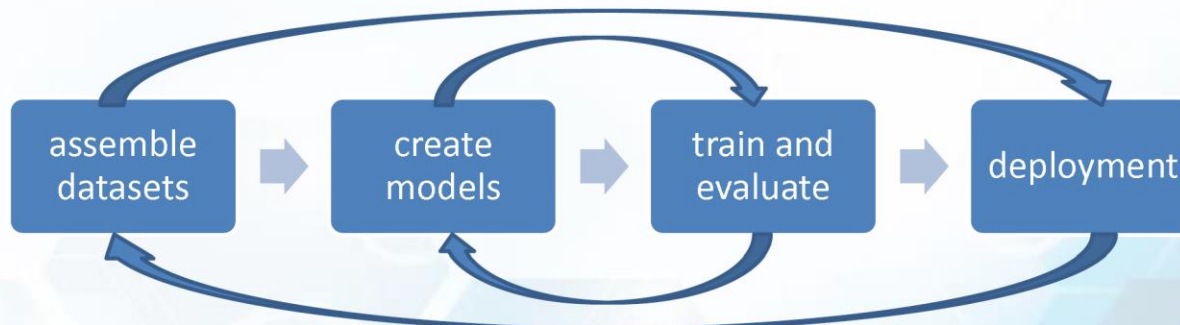
## Business Evolution


### 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**<sup>1</sup> **methods**<sup>2</sup> to handle **technology**<sup>3</sup> and **manage**<sup>4</sup> the **domain(s)** specific **complexity** with appropriate **tools**”



Session on:

# Methods & Skills

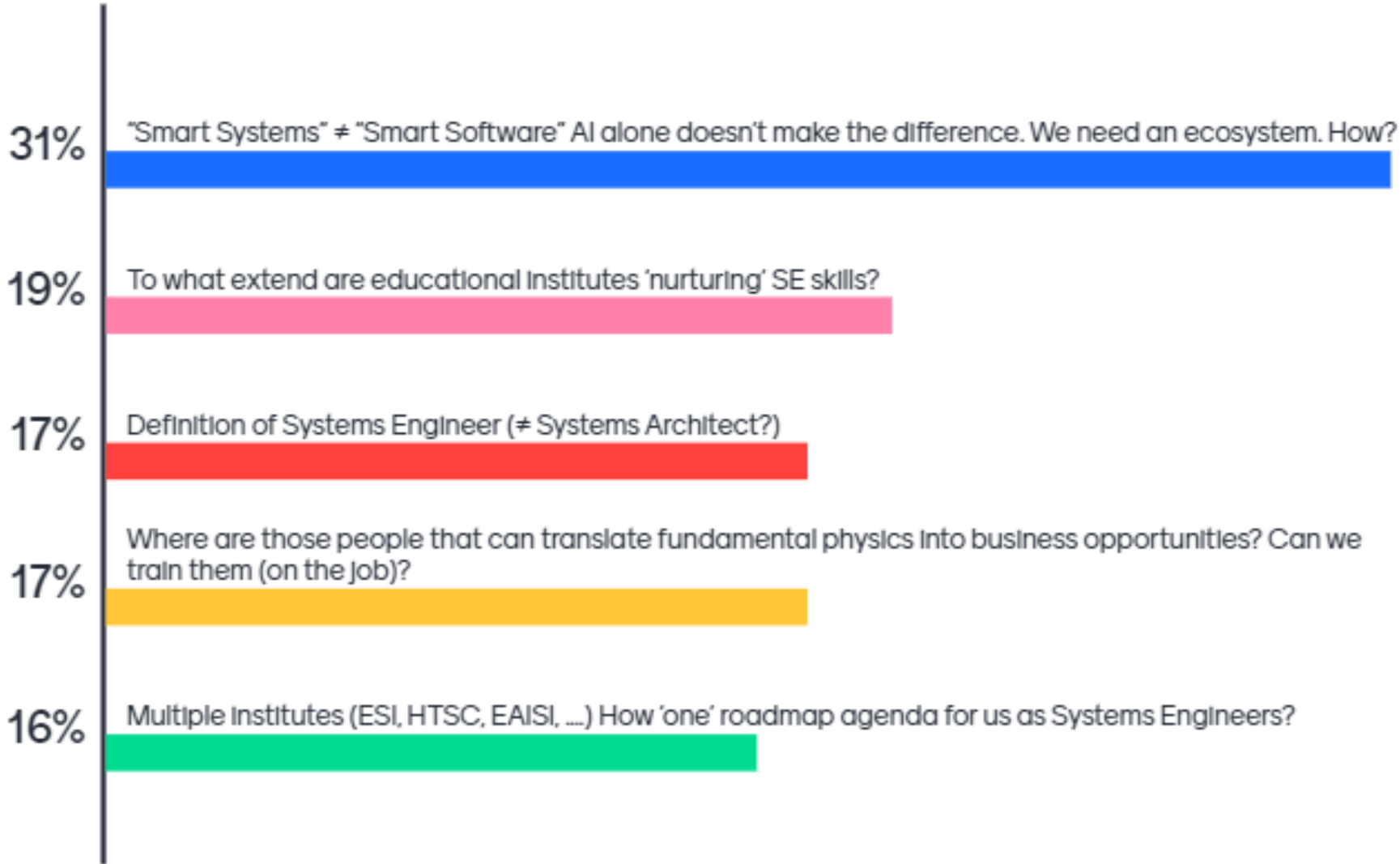




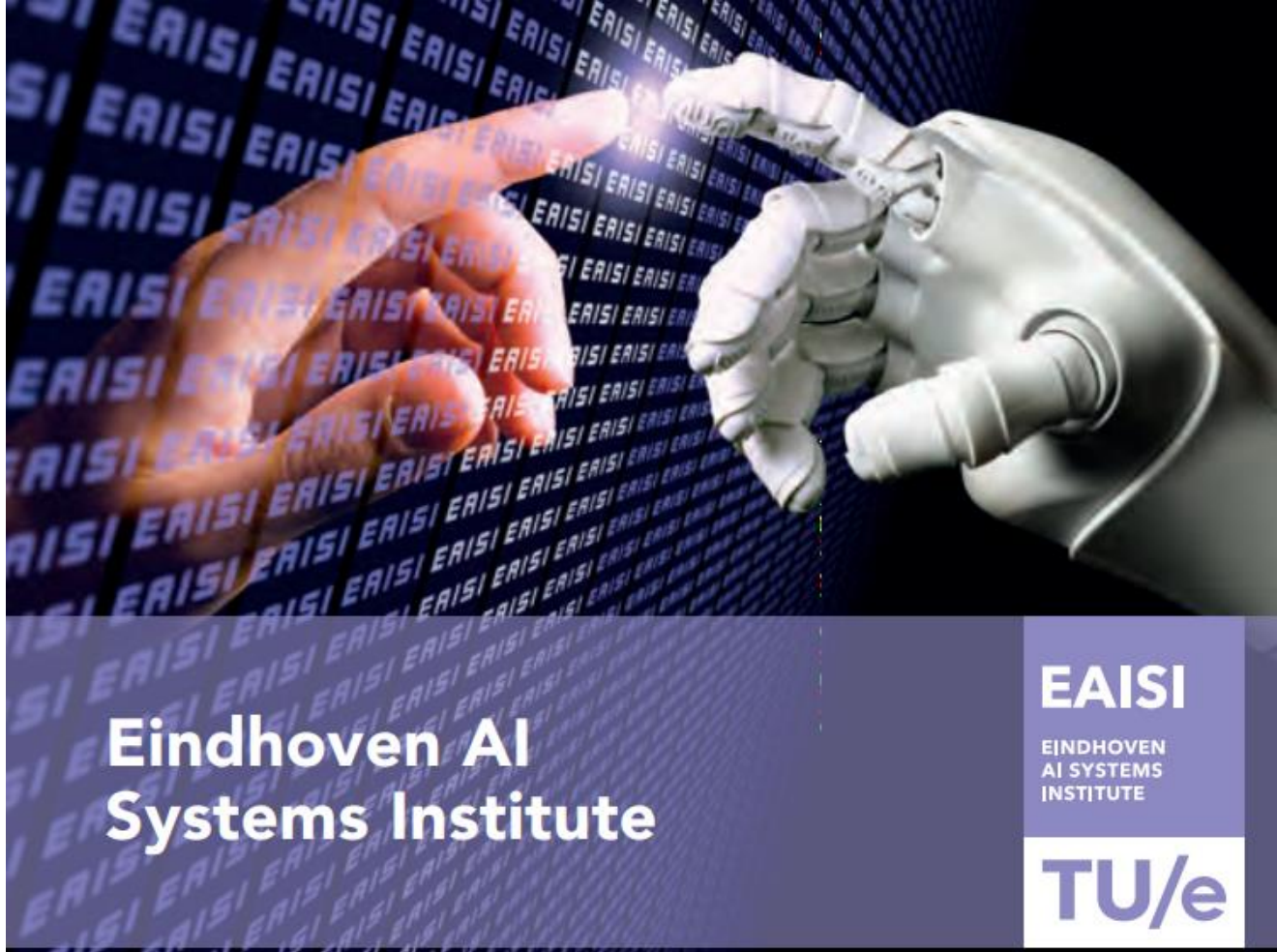
# Topics for session on Methods & Skills

1. Definition of Systems Engineer (≠ Systems Architect?)
2. To what extent are educational institutes 'nurturing' SE skills?
3. Where are those people that can translate fundamental physics into **business** opportunities? Can we train them (on the job)?
4. "Smart Systems" ≠ "Smart Software" AI alone doesn't make the difference. We need an ecosystem. How?
5. Multiple institutes (ESI, HTSC, EAISI, ....) How 'one' roadmap agenda for us as Systems Engineers?
6. ??

# Methods & Skills



# Georgo Angelis

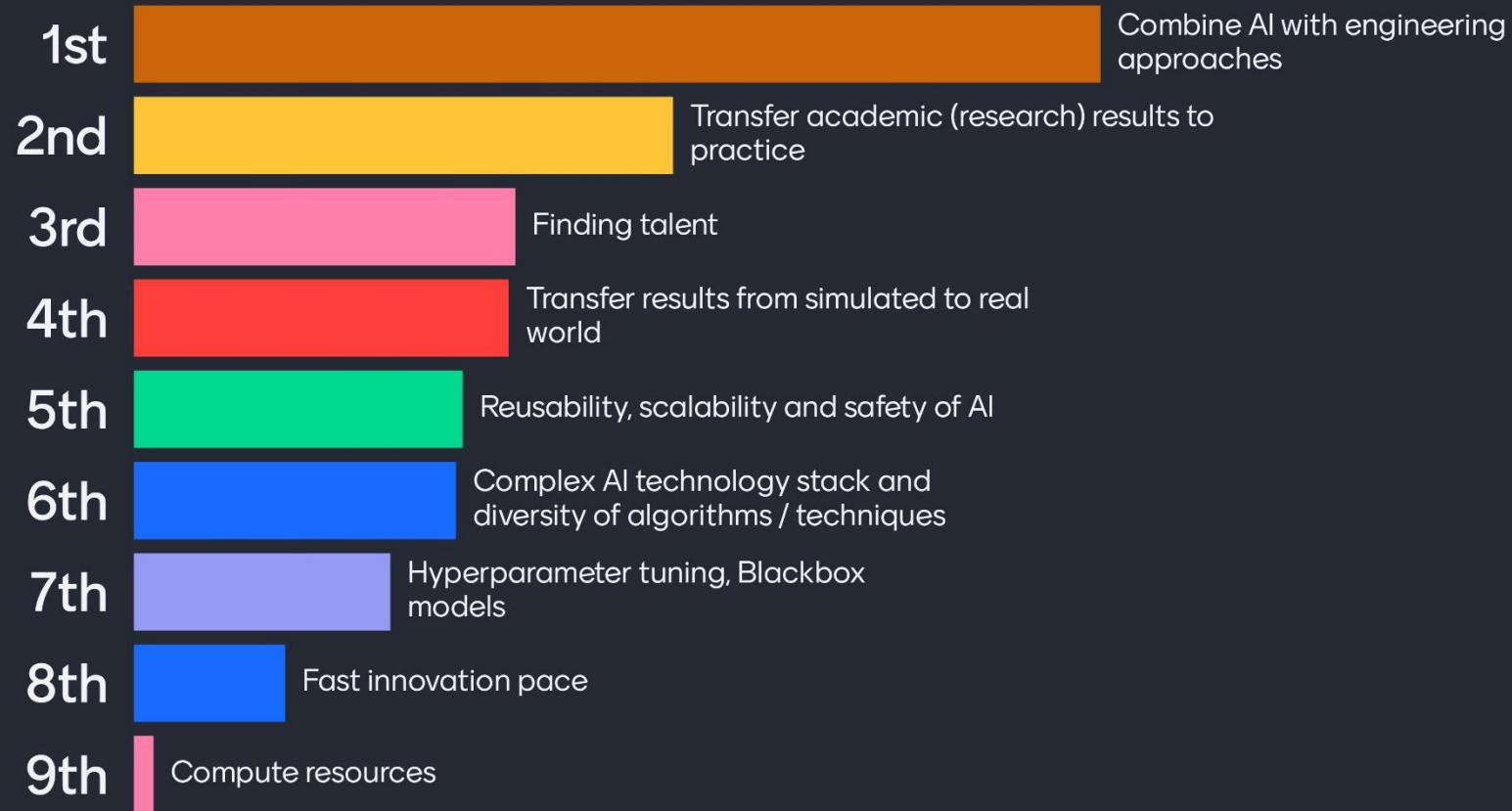


“AI FOR THE  
REAL WORLD”

# Dialogue session

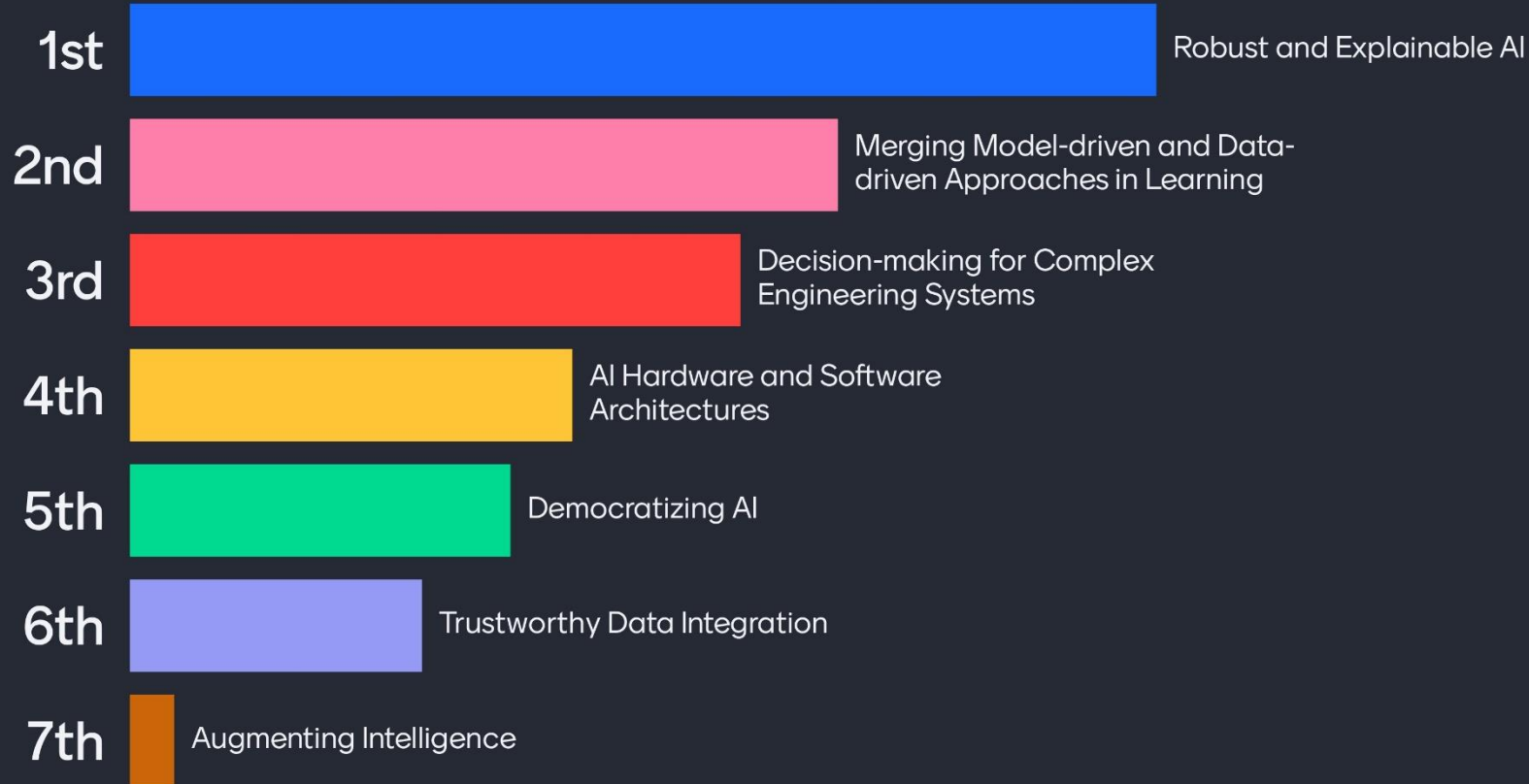
- Discussion about questions

# Which of the following AI adoption barriers do you consider the most important/relevant for your business?





# Which of the following research topics do you consider the most important/relevant for your business?



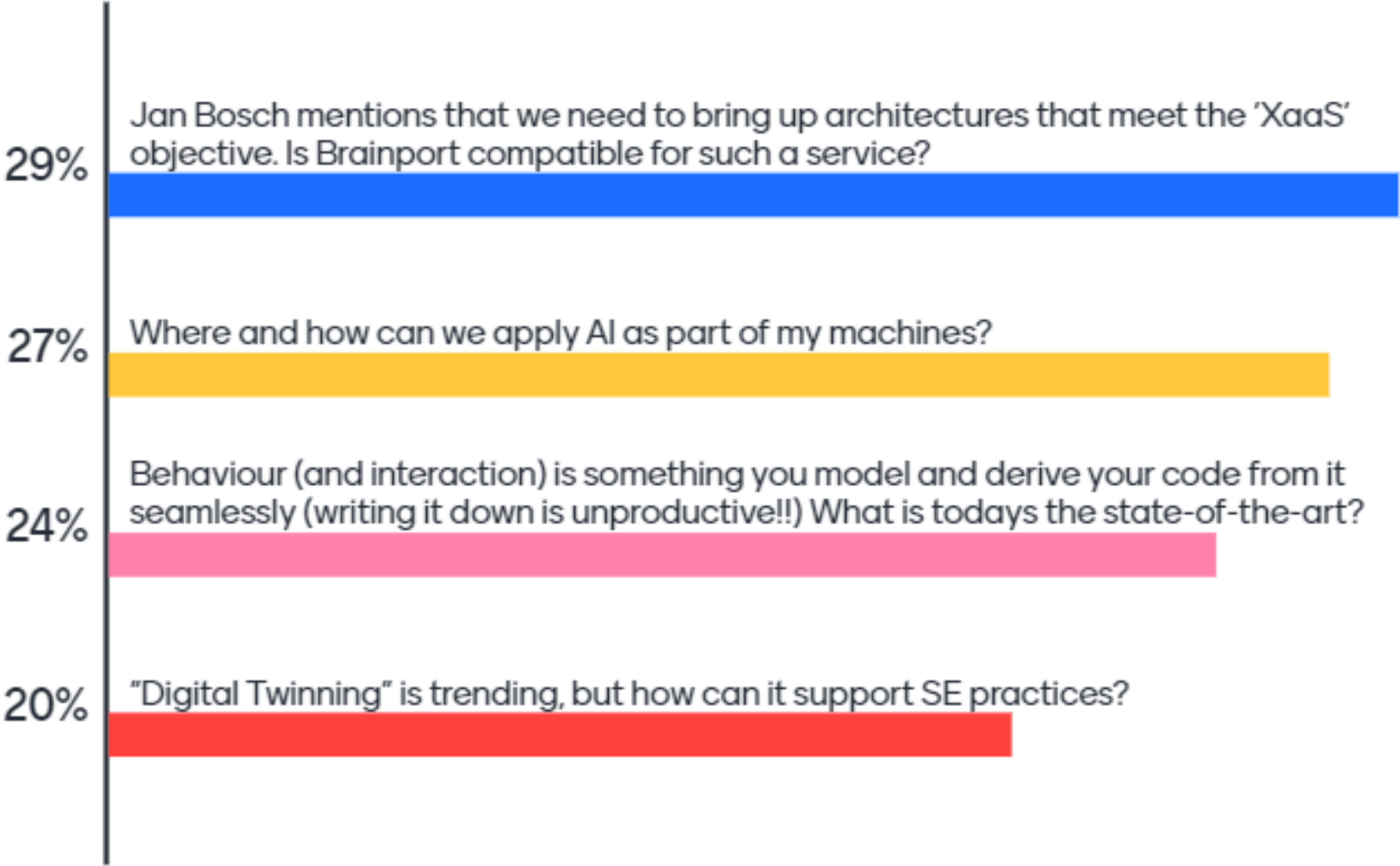
# Save the date theme session:

- ✓ 11 Nov 2020      Methods & Skills
- 10 Feb 2021      Technology & Trends
- 14 Apr 2021      Management
- 09 Jun 2021      Tools



# Technology & Trends

10 Feb 2021



# Source of your technology