

ITEA PO Days 2025

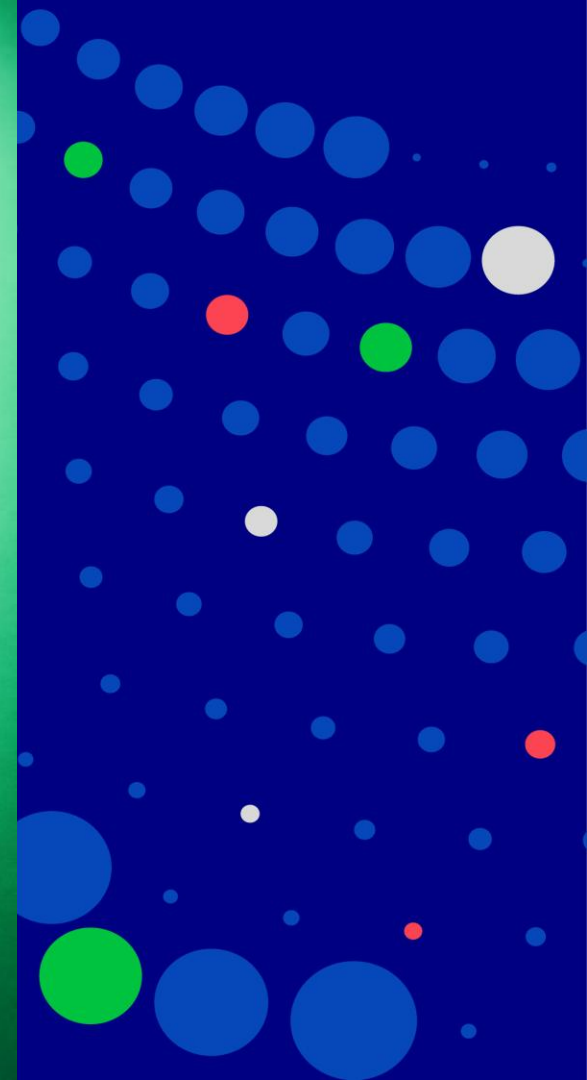
Opening keynote

Prof. Dr.-Ing. Dirk Elias
ITEA Chairman



Welcome
Great to be with you!

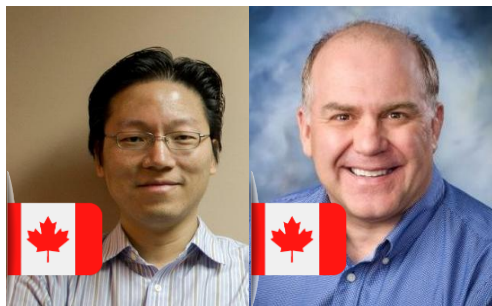
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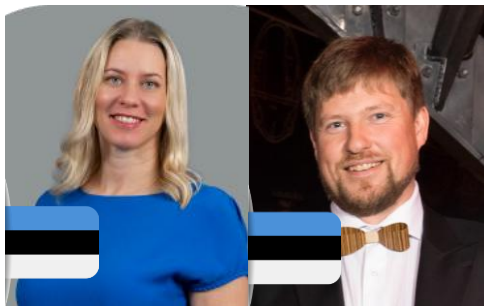
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Frederik De Vusser
Belgium



Vance Pan & Jean Leger
Canada



Kersti Vaarmets & Martin Karner
Estonia



Irene Gerharz
Germany



Jacob Jan de Boer
The Netherlands



Rita Silva
Portugal



Youngji Tak
South Korea



Juana Sánchez
Spain



Pontus von Bahr & Susanne Liljeblad
Sweden



Contact points Public Authorities
present in Estoril

They are here to support you!



Seda Nur Budak
Türkiye

Meet the ITEA Office team

We are here to support you!

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Special thanks!

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Σ eureka

CONGRATULATIONS!



And speaking about Eureka,
we have other great news to share!

Eureka Clusters
Relicensed for 7 more years!

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Congratulations to
all Eureka Clusters!

Eureka Clusters relicensing

ITEA will continue to serve YOU!

- We will continue to work hard with Public Authorities, the Eureka Secretariat and the other Clusters to reduce the time from idea to the start of projects.
- Eureka also expanded to Brazil, and we are looking very much forward to grow our Community in this highly innovative environment (and that of other countries) as well!

ITEA Call 2024 and ITEA PO Days 2025

Some facts

ITEA Call 2024 and ITEA PO Days 2025

Some facts

- ITEA Call 2024
 - 320 ITEA PO Days participants → +10% vs 2023 (293)
 - 67 POs submitted → +80% vs 2023 (37)
 - 26 labelled projects → +37% vs 2023 (19)
- ITEA PO Days 2025
 - 339 registrants from 19 countries: a new record!

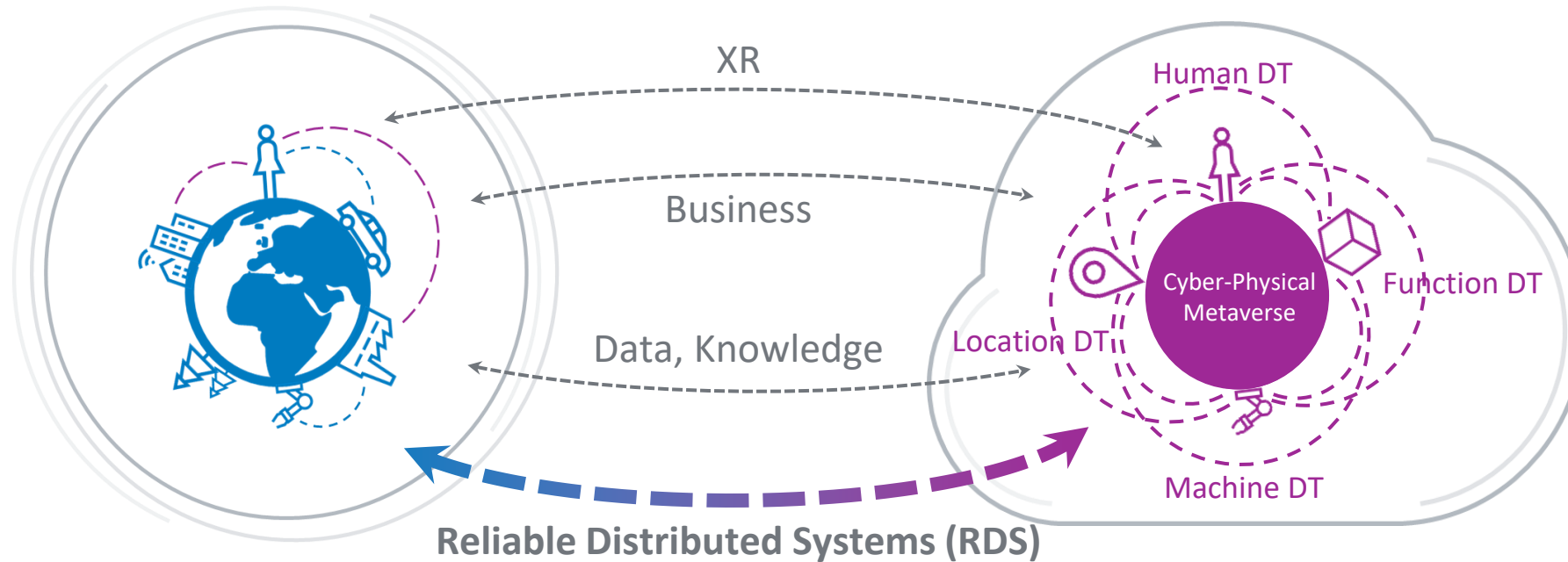
Food for thought

The CPM, Cyber-Health and AGI

Food for thought

Webinar on the Cyber-Physical-Metaverse

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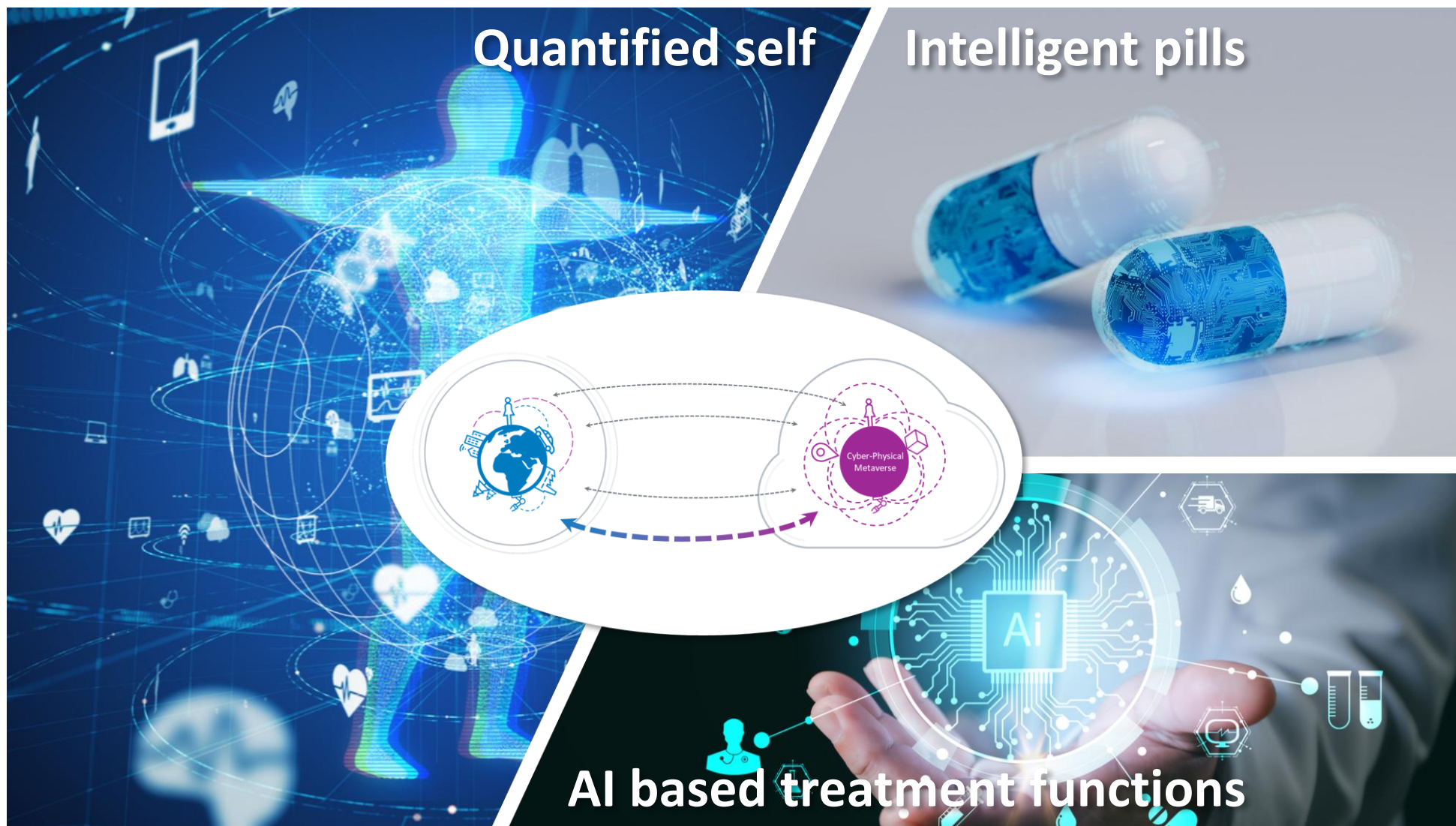


No question if, only when!

Check: <https://itea4.org/itea-technology-webinar-cyber-physical-metaverse-introduction.html>

Food for thought Cyber-Health [1/3]

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Food for thought

Cyber-Health [2/3]

- Giant step forward for early detection and prevention of serious diseases. Leading to higher life expectancy and quality, higher productivity as well as lower health care system cost.
- Many low hanging fruits allow for an immediate introduction, followed by incremental extension to more complex solutions.

➔ One example: Heart failure

Food for thought

Cyber-Health [3/3]

- In December 2024, EU has adopted Council Conclusions that will set a milestone for the continent's cardiovascular health.
 - Cardiovascular disease (CVD):
 - Is the leading cause of death globally, accounting for over 1.7 million deaths annually
 - Costs its economy an estimated €282 billion/year
 - Heart failure stands for 10+% of the total CVDs
- Comparably simple CPM solutions can be implemented
- Vast savings potential for health care systems and economy

NOTE

| | |
|----------|---------------------------------------------------------------------------------------------|
| From: | General Secretariat of the Council |
| To: | Council |
| Subject: | Conclusions on the improvement of cardiovascular health in the European Union - Approval |

1. On 28 August 2024, the Presidency submitted to the Working Party on Public Health a set of draft Council conclusions on the improvement of cardiovascular health in the European Union¹.
2. Among several events on this topic, the High-Level Conference on Cardiovascular Health on 3-4 July and the informal meeting of Ministers of Health on 24-25 July 2024 provided input to the draft Council conclusions.
3. The Working Party on Public Health examined the draft Council conclusions at its meetings on 9 September, 25 September and 10 October 2024.
4. Following an informal written consultation concluded on 23 October, the Working Party on Public Health has reached a preliminary agreement on the Presidency compromise text for the Council conclusions as set out in the Annex to document 14661/24.

¹ doc. 12790/24

5. On 6 November 2024, the Permanent Representatives Committee confirmed the agreement reached in the Working Party on Public Health and agreed to submit the text after adjustment of a reference to the EPSCO Council of 3 December 2024 for approval.
6. The Council is invited to approve, at its session on 3 December 2024, the Council conclusions on the improvement of cardiovascular health in the European Union, as set out in the Annex to this note.

Food for thought

CPM too complex?

- What about the complex scenarios, not only for cyber-health, but also other domains?
- Is the implementation of the CPM and the integration of the giant number of technologies and building blocks too complex to lead to a Reliable Distributed System?

Food for thought

Artificial General Intelligence (AGI)

- Eric Schmidt, former CEO Google, April 2025: *“Within three to five years we’ll have what is called [artificial] general intelligence, AGI, which can be defined as a system that is as smart as the smartest mathematician, physicist, artist, writer, thinker, politician... you get the idea,”* Schmidt said during a panel discussion being part of the Special Competitive Studies Project.
- Based on the idea of “**recursive self-improvement**,” in which AI algorithms are able to learn on their own and increase their capabilities.



Photo by Spencer Brown

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Food for thought
Artificial General Intelligence (AGI)

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Imagine AGI helps to build
the Cyber Physical Metaverse

Food for thought Artificial General Intelligence (AGI)

Imagine AGI helps to build the Cyber Physical Metaverse

Imagine AGI uses the Cyber Physical Metaverse!

Food for thought Artificial General Intelligence (AGI)

Imagine AGI helps to build the Cyber Physical Metaverse
Imagine AGI uses the Cyber Physical Metaverse!

Imagine how long it would take...

Food for thought

Mind Ray Kurzweil!

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<https://alphafold.ebi.ac.uk/>

https://en.wikipedia.org/wiki/Ray_Kurzweil

Wishing you inspiring
and creative days ahead!