Foundations of Cyber-Physical Systems

- a workshop organized by "Platforms4CPS"

www.platforms4cps.eu/

**Towards a longer term
effort on CPS foundations**

Co-arranged with CPSE-labs (www.cpse-labs.eu/) and
the ICES competence network (www.ices.kth.se)

Second *part*: Reconciling the topics, how to address them, and how to achieve a longer-term discussion

14:05-14.25: Initial inspirational short talks

- EC Initiatives and Priorities for Digitizing European Industry, Haydn Thompson

- Towards a longer term effort on CPS foundations, Martin Törngren
  - Needs? Strategies/mechanisms? Previous examples "good old NoEs"; industrial associations (AIOTI, Artemis- IA), and more

Towards a longer term effort on CPS foundations, <u>Martin Törngren</u>

Purpose: to elicit ideas and discuss how a longer-term discussion among experts to evolve our understanding of CPS foundations can be stimulated and maintained.

How would a community best be created?

Would there be enough momentum?

What would be suitable mechanisms?

Best previous practices?

Towards a longer term effort on CPS foundations, cont.

Best previous and existing practices?

- Good old Networks of Excellence a la Artist Design
- Industrial associations, AIOTI, Artemis- IA, …
- Newer instruments
    - Innovation projects?
    - Support actions?

Towards a longer term effort on CPS foundations, cont.

How would a community best be created?

- Experience people are very busy – therefore need to think about how to best engage them
- Should explicitly gather multiple related disciplines and industrial stakeholders

Would there be enough momentum?

- Probably … and especially if clear goals and a useful mechanism can be created

What would be suitable mechanisms?

- Our take – the "PlatForum"

PlatForum approach – tentative further strategies

Gather interesting material – existing and new

Blogs – on relevant topics or technology of importance to Platforum4CPS – promoting blogging and linking to external resources on the different topics.

PlatForum "scoreboard" (online or via email) of most active users and most promoted external resources (such as blogs)

Running polls and votes on blog and discussions topics, and focus each partners´ blogs and forum discussions on these.

Interviewing some active users each month