

## Registration &amp; breakfast

- 8:30 **Doors open**
- 8:30-9:00 **Registration in the lobby & breakfast at the networking area**

## Session 1

- 9:00-9:15 **Opening: The renewed SIX MWM cluster, Pekka Yli-Paunu**
  - SIX MWM and FIMA merged into one major cluster in the beginning of 2026
  - What are we building on – short retrospective of accomplishments and learnings
  - Key benefits and added value for cluster members and stakeholders
- 9:15-10:30 **“Mighty Machines” – National Growth Strategy and Its Implementation**

Implementation of the strategy at a concrete level: examples of actions already taken and upcoming actions that organizations can engage with

  - Overview of the implementation plan and follow-up, **Harri Nieminen**, VTT
  - Actions already taken
    - Centre of Research and Education Excellence, **Matti Vilkko**, Tampere University
    - Influencing the operational environment at national and EU level, **Erkki Ahola**, Technology Industries of Finland
  - Upcoming actions and opportunities
    - Possibilities in SIX MWM cluster collaboration, **Veli-Mikko Mäkelä**, Tamlink
    - Possibilities for individual organisations: Aligning with the Strategy, **Jari Saarinen**, GIM Robotics
- 10:30-11:00 **Break: Discussions at the networking area**

## Session 2

- 11:00-12:30 **Presentations on research themes 1-2**
  - **Theme 1: Control Systems**
    - **University of Turku:** Prof. **Wallace Moreira Bessa** – From Perception to Action: Intelligent Control and Situational Awareness in Autonomous Systems
    - **University of Oulu:** Prof. **Juho Könnö** – Simulation-Driven Systems Engineering for Software Defined Vehicles
  - **Break 5 mins**
  - **Theme 2: Autonomy & robotics, Human in the loop**
    - **Aalto University:** Prof. **Ville Kyrki** – Safety in assistive autonomy
    - **Tampere University:** Prof. **Reza Ghabcheloo** – 4mmWave Radar perception for off-road applications

## Lunch &amp; networking break

- 12:30-14:00 **Lunch & networking. Lunch at own cost at the restaurant Grill it! Paja.**

14:00–15:30

**Presentations on research themes 3-4**

- **Theme 3: Enabling new value from Data, Data intensive lifecycle services**
  - **University of Oulu:** Prof. **Emil Kurvinen** – Real-time Physics-Based Simulation for Understanding and Quantifying Machine Performance
  - **VTT Technical Research Centre of Finland:** **Markku Hentula** (VTT), **Emmi Saksala** (Sandvik), **Jari Kärkkäinen** (ITA Nordic) – Product Lense – Data follows the product in next generation value chains
- **Break 5 mins**
- **Theme 4: Sustainable Power Solutions**
  - **LUT University:** Prof. **Heikki Handroos** – More Electric Working Machine Booms - Challenges and Opportunities
  - **Tampere University:** Prof. **Tatiana Minav**, Dr. **Mikko Huova** – Enabling the sustainable electrification of mobile machinery

**Coffee & networking**

15:30–17:00

**Coffee & discussions at the networking area**

17:00

The event ends