Automotive@Eclipse Community Day
Meet the Automotive@Eclipse Community

1. Welcome, Agenda  5 min  Andy  (15:00)
2. Introduction to openMobility  15 min  Robert
3. Introduction to openPASS  15 min  Tuan
4. Introduction to openMDM  15 min  Christian
5. Introduction to OpenADx  15 min  Andy
# Meet the Automotive@Eclipse Community

6. **Automotive Top Level Project**
   - PMC
   - Project Overview
   - Landing Page
   - 15 min
   - Harald

7. **Introduction to OpenMCx (incl. Demo)**
   - 30 min
   - Josko

8. **Walk-In topics**
   - 10 min

9. **Break**
   - 30 min
   - (17:00)
Automotive@Eclipse Community Day – We continue at 5:30pm!
# The Future of Automotive@Eclipse – News, Strategy, Outlook

<table>
<thead>
<tr>
<th>Topic</th>
<th>Duration</th>
<th>Speaker</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indy Autonomous Challenge</td>
<td>25 min</td>
<td>Joe Speed</td>
<td>(17:30)</td>
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<tr>
<td>Software defined vehicle</td>
<td>25 min</td>
<td>Joe Speed</td>
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<tr>
<td>Automotive Edge Computing Consortium AECC (maybe, timing to be adjusted)</td>
<td>25 min</td>
<td>Said Tabet</td>
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<tr>
<td>What will come next?</td>
<td>5 min</td>
<td>Andy</td>
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<tr>
<td>Walk-In topics</td>
<td>10 min</td>
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What will come next?

From Automobiles to Software Defined Vehicles

Thursday, October 28, 2021 3:30 PM to 4:00 PM
Room 2
IoT & Edge
Beginner

Information

Automotive software is facing a step change – where on top of the established hardware-driven value chains, software is becoming an unfiltered field of innovation. This offers an opportunity for establishing cross-brand software ecosystems for in-vehicle software, and a chance to re-think large parts of how this software is created, managed, and operated.

We believe that the only way to succeed at scale is to build the core software stacks in the open source space, in an industry-spanning collaboration between major players from both IT and automotive segments. This is the goal of the Software-defined Car initiative, which aims to become a focal point for skilled attention on creating the next generation of vehicle software.

Speakers

Daniel Krippner
Enterprise Architect
Robert Bosch GmbH
What will come next?

- **openGADES** is a customizable, lightweight toolchain for systems and software engineering. It can support you in fulfilling process requirements such as arising from ASPICE and ISO26262.

- openGADES stands for:
  - open
  - Generic
  - Ascii-based
  - Documentation and
  - Engineering
  - System
What will come next?

Hybrid System Simulation

- Simulations are at the core of the development process
  - Simulation through product life cycle
  - System to Environment simulation
  - Systems of Systems
  - Virtual and Real System synchronization

- Each industry (aerospace, automotive, defense,...) is developing its own system simulator environment and coupling mechanisms to simulate and model complete systems.

- Simulations may be heterogeneous, involving multiple abstraction levels, mixing ‘real’ and ‘virtual’, devices systems and the environment (MIL, SIL, PIL, HIL,...)
What will come next?

Hybrid System Simulation

- Simulations and model’s cross multiple enterprises and are reused in different contexts.
- Existing standards:
  - are often domain- or industry-specific
  - cannot be combined easily.
  - do not address multi-disciplinary aspect of system simulation and modeling: hardware, software, mechanics, electronics
- There is a need for rationalization/Alignment
  - Select standards for the various abstraction levels and the various activities involved in the PLM
  - Define appropriate interfaces between the selected standards
  - Match MBSE abstraction with simulation models

Discussions ongoing – possible homebase for further activities not decided, could be Eclipse / OpenADx
What will come next?

Birds of a Feather (BoF): Discuss about the Mobility of the future, Automotive and the Software defined future

- Wednesday, October 27, 2021 6:15 PM to 7:15 PM
- Room 2

Information

Meet the Eclipse Automotive people in this interactive and informal session.

Discuss the future of:
- Mobility
- Automotive
- Software defined Vehicles

with us. Share your thoughts, ask technical questions, discuss and - most importantly - get to know the Automotive Community.

Speakers

Andy Rixinger
Business Development Manager Open Source
Robert Bosch GmbH
Evaluate the Sessions

- Please help by leaving feedback on the sessions you attend!
- To rate a session, you must be registered for it in Swapcard BEFORE the talk starts.
- Swapcard will prompt you to leave feedback after the end of each session.
- You may also rate a talk by locating the session from the “Agenda” or “My Event” buttons on the Event Home page. Click on the session and look for the “Give your feedback” box.
Thank you!

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