PROPOSAL TO OPENPASS SC IMPROVING OPENPASS WEBPAGE

HTTPS://OPENPASS.ECLIPSE.ORG

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openPASS
Different domains

▶ **main webpage** - https://openpass.eclipse.org/
(first entry by google search „openpass")

▶ Wiki - https://wiki.eclipse.org/OpenPASS-WG
(currently used as main openpass webpage)

▶ sim@openPASS - https://projects.eclipse.org/projects/technology.simopenpass

▶ Bugzilla - https://bugs.eclipse.org/bugs/describecomponents.cgi?product=Simopenpass

▶ Tuleap - https://tuleap.eclipse.org/projects/openpass

▶ Git - https://git.eclipse.org/c/simopenpass/simopenpass.git/

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openPASS
Webpage as 1ˢᵗ level of documentation

★ Added based on inputs from SC-Meeting Garching 23.07.2018

structure of „openPASS documentation"

1. Getting started — most relevant for each "newbie"
1. Where to get Information?
2. Where to get the sources?
3. How to build the application?

information already at least partly available

2. User Guide — most relevant for each user
1. Covered Use cases
2. How to use the application
3. Application output

divided in two Parts: General/Use Case specific

3. Tutorials — most relevant for each user
★
1. Setup of the Use Case
2. Options within the Use Case
3. Outputs of the Use Case

Use Case specific User Guide

4. Architecture Description — most relevant for AC-Members/developers
1. Structure of the application?
2. Description of Framework elements — Coding-guidlines
3. Description of the Modules

already at least partly available

5. Source Code Description — most relevant for developers
1. Description of classes
2. Description of attributes
3. Description of functions

already at least partly available

6. Appendix — most relevant for every user/member
★
1. Licenses
2. Wording / Global Definitions

information already at least partly available
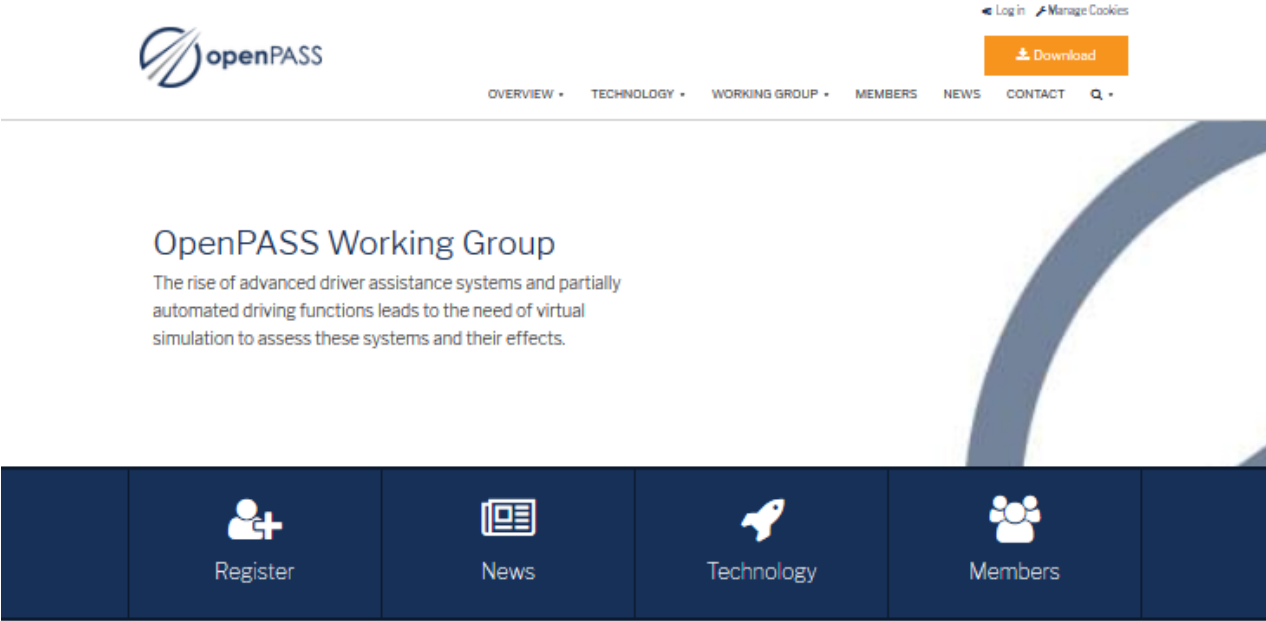
openPASS Doku

openPASS Webpage
https://openpass.eclipse.org/

openPASS Wiki
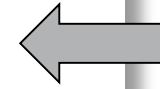
suggestions on
"1. Getting started"

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openPASS: main webpage – current status
https://openpass.eclipse.org

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openPASS: main webpage – suggestion
https://openpass.eclipse.org

list all members

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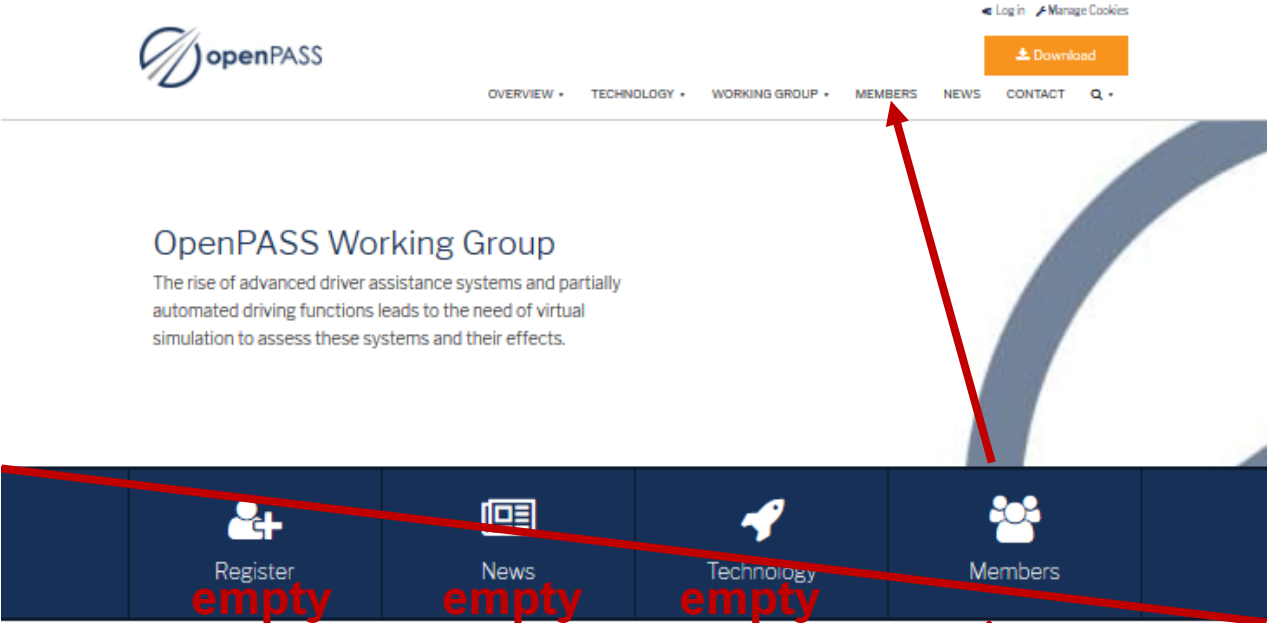
openPASS: main webpage – 1ˢᵗ suggestions
Overview
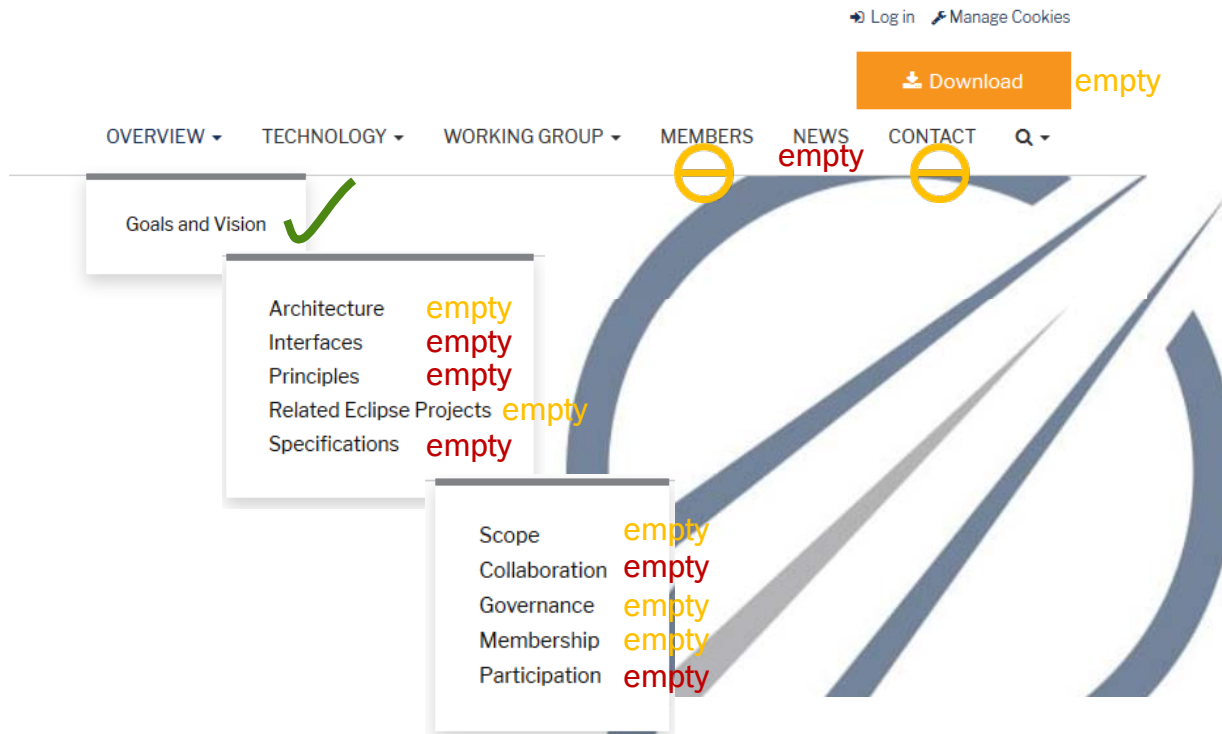
easy to improve:

- delete all empty links

- members: list all members

- contact: additional simopenpass-dev@eclipse.org mailing list

- Download: link to https://git.eclipse.org/c/simopenpass/simopenpass.git/

- Architecture: copy&paste from https://projects.eclipse.org/projects/technology.simopenpass

- Related Eclipse Projects:
  link to sim@openpass
  https://projects.eclipse.org/projects/technology.simopenpass

- Scope: copy&paste from https://projects.eclipse.org/projects/technology.simopenpass/governance

- Governance:
  o SC & AC members

- Membership
  o How to apply to WG
  o WG charter & WG Participation Agreement

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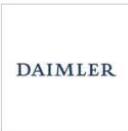# openPASS: main webpage – 1st suggestions
Members

+ logo

+ link to company webpages

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openPASS: main webpage – 1ˢᵗ suggestions
Contact

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Contact

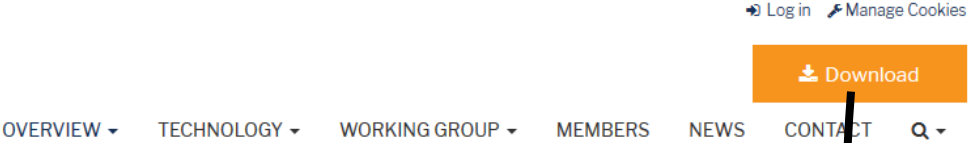For more information, contact or subscribe to the public WG mailing list.

For the Eclipse Foundation:
Ralph Mueller
Managing Director
Office: +49 6251 8606413
Mail: ralph.mueller@eclipse.org

add
      simopenpass-dev@eclipse.org
mailing list

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openPASS: main webpage – 1st suggestions
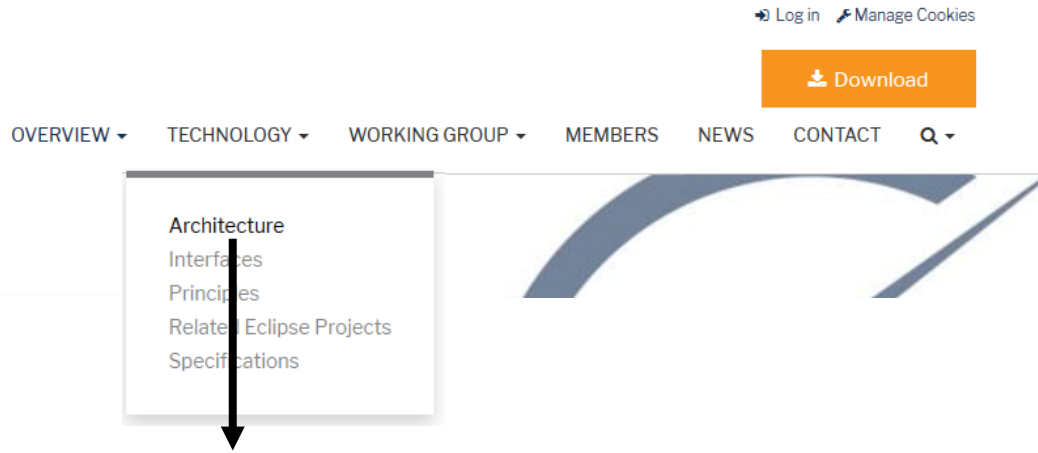## Download

link to:

https://www.eclipse.org/downloads/

add link to

https://git.eclipse.org/c/simopenpass/simopenpass.git/

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openPASS: main webpage – 1ˢᵗ suggestions
Architecture

copy&paste from
https://projects.eclipse.org/projects/technology.simopenpass

Eclipse sim@openPASS

Overview | Downloads | Who's Involved | Developer Resources | Governance | Contact Us

The Eclipse sim@openPASS platform mainly consists of a GUI and a simulation core interacting with openPASS modules as well as external programs for post-processing
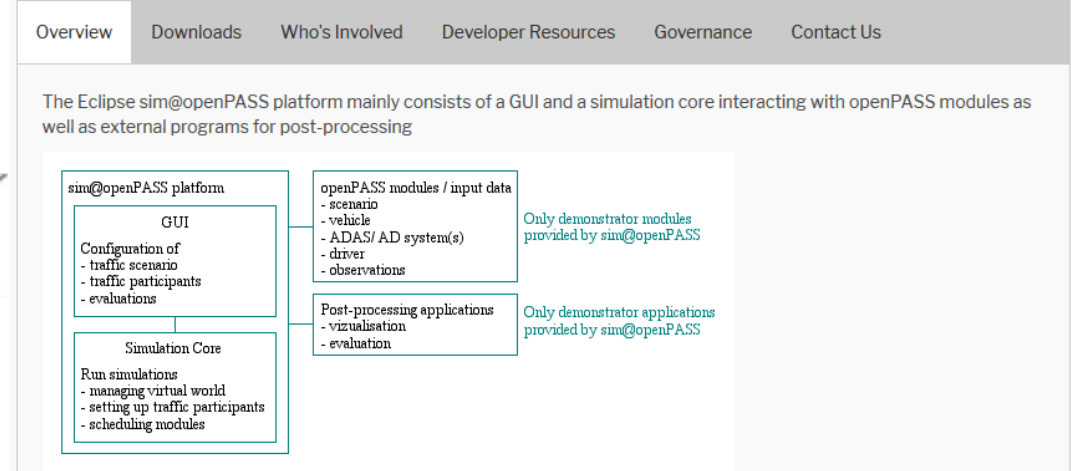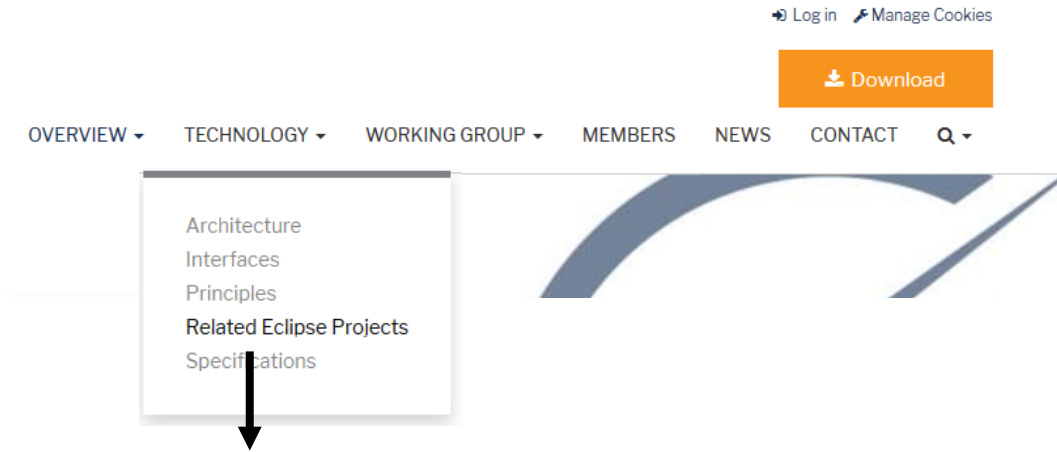
Figure 1: sim@openPASS top-level architecture

In the sim@openPASS GUI, the users will conveniently select traffic scenarios, traffic participants (including vehicles, drivers and systems to be tested) as well as post-processing of the simulation results. The GUI will access module information and enables the parametrization and linking of the comprised models. Furthermore, scenarios available in the OpenDrive format or OpenScenario format can be loaded. The entire configuration of the simulation will be saved in an xml-format which allows re-simulation or batch processing.

The simulation core will import the configuration, load the configured modules and run the specified number of multi-agent simulations. This mainly consists of managing the virtual world, setting up the traffic participants by instantiating their modules as well as scheduling and calling the module interface functions. Additionally, the distribution of simulations over network will be available; this is important if a high number of stochastically varied situations should be simulated, e.g. in a Monte-Carlo simulation.

The openPASS modules will contain the entire functionality of the traffic participants. SpawnPoint modules are responsible for the creation of new traffic participants. Component modules comprise models assigned to the traffic participants, hence including the human behavior and/or system behavior. A general wrapper module to incorporate models using the FMI standard will be provided as one of the demonstrator modules. Observation modules observe the traffic scenario and log general or specific simulation results.

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Related Eclipse Projects

only one openPASS-WG related project: sim@openPASS

link to sim@openpass

https://projects.eclipse.org/projects/technology.simopenpass

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Scope

- copy&paste from
  https://projects.eclipse.org/projects/
  technology.simopenpass/governance

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Scope
Collaboration
Governance
Membership
Participation

Steering Committee

Speaker of the Steering Committee: Jan Dobberstein

- BMW Group, Lei Wang
- Daimler AG, Jan Dobberstein
- ITK-Engineering GmbH, Alexander Prahl
- Robert Bosch GmbH, Daniel Schmidt
- TÜV Süd AG, Dr. Houssem Abdellatif
- Volkswagen Group of America, Inc., Jason Gainey

Architecture Committee

Speaker of the Architecture Committee: Katharina Findling

- BMW Group, Katharina Findling
- Daimler AG, Jan Dobberstein
- Robert Bosch GmbH, Daniel Schmidt
- TÜV Süd AG, Christian Gnandt
- Volkswagen Group of America, Inc., Jason Gainey
- ITK-Engineering GmbH, Alexander Prahl (as project Leader of sim@OpenPASS)

- list SC and AC members
- to contact SC write to openpass-sc-bounces@eclipse.org

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openPASS: main webpage – 1st suggestions
Governance

o How to apply to WG?
➔ copy&paste from

https://wiki.eclipse.org/OpenPASS-WG#How_to_participate

o WG charter & WG Participation Agreement

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