An ITEA Smart engineering project

BUMBLE

25 years ITEA4
1998–2023

Next Generation Model-Driven Engineering across all domains

Project summary

Through the automatic generation and management of blended modelling environments from Domain-Specific Modelling Languages, BUMBLE (Blended Modelling for Enhanced Software and Systems Engineering) will enable seamless textual and graphical collaborative modelling, improving the development of complex multi-domain systems in intricate system evolution.

Consortium

The Netherlands
Canon
MODELING VALUE GROUP SOFTWARE FACTORIES
SIOUX TECHNOLOGIES
VU VRIJE UNIVERSITEIT AMSTERDAM

Sweden
ALTEN
HCL
MDU Mälardalen University
Pictor Consulting
SAAB
UNIBAP
UNIVERSITY OF GOTHENBURG
VOLVO

Austria
AVL
EclipseSource
JKU JOHANNES KEPLER UNIVERSITÄT LINZ
TU WIEN TECHNISCHE UNIVERSITÄT WIEN

Turkey
FORD OTOSAN
HERMES
Mantis Software Company
TURKCELL
UNIT

Project duration

November 2019 - May 2023

Key results / Unique advantages

> Technology-agnostic engine for providing a cross-platform and language-independent real-time collaborative capabilities for already existing language and modeling workbenches

> HoTs for generation of synchronization/ migration transformations

> DclareForMPS - Improved Dclare with BUMBLE functionalities in terms of collaboration features and blending capabilities.

Bumble technology with XTEXT and Safety Automotive CPS development
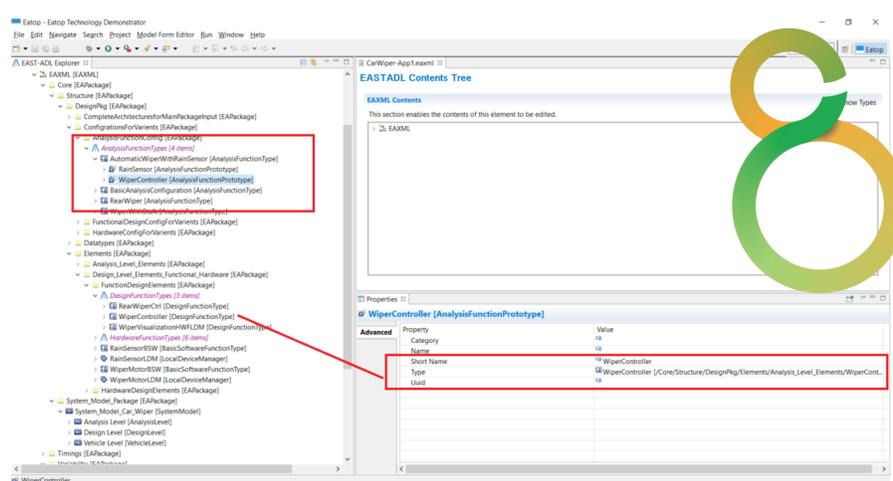

BUMBLE project webstie

SCAN ME

https://bit.ly/3P8ILMD

BUMBLE demo

SCAN ME

https://bit.ly/3YK07mp

Contact

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