

Modelica Association Project Application

Project name

System Structure and Parameterization of Components for Virtual System Design
(abbreviated as SSP)

Project purpose

In many applications there is the need to design, simulate and execute a network of components (simulation models, software, hardware etc.). In order to be able to do this tool independently and seamlessly, the purposes of this project are:

- Define a standardized way to store and apply parameters to these components.
- Define a standardized format for the connection structure for a network of components.
- The developed standard / APIs should be usable in all stages of development process (architecture definition, integration, simulation, test in MiL, SiL, HiL).

The work in this project shall be coordinated with other standards and organizations (FMI, ASAM, OMG).

License of project results

The specifications are published under the CC-BY-SA (Creative Common Attribution Attribution-ShareAlike 4.0 International) license, i.e., the license used by Wikipedia. A human-readable summary of the license text is available from <http://creativecommons.org/licenses/by-sa/4.0/>

Source code, such as C-header and XML-schema files, that accompany the specification documents are provided under the BSD license (<http://www.opensource.org/licenses/bsd-license.html>) with the extension that modifications must be also provided under the BSD license.

Project rules

Project meetings

Project meetings are open to the public. The project members decide which documents of the project progress are published.

The project rules are according to the rules of the Modelica Association Bylaws. In particular:

Project members

Membership in this project is open to companies, institutes, universities and other organizations, which agree to support the purpose of this project and follow the project rules. There is no individual membership for this project. An organizational member has to appoint an individual person affiliated to the organization to represent the organization in all matters related to this project. This person is the organization's liaison member.

- Every member has one vote.
- Voting is performed by the members according to § 14 of the MA Bylaws but with a quorum of four members.
- An organization applying for project membership must have already actively contributed to this project. This requires usually to have attended at least two project meetings (face to face or online) in the last 12 months.
- Membership is approved at a project meeting with a simple majority of the votes submitted (according to § 14 of the MA Bylaws).
- Membership resignation from this project has to be done in a written form to the project leader and applies immediately.

- The project leader is elected for two years. The election is performed with the same rules as for a MA board member.

Project results

New releases of project results (documents, libraries, code) must be approved by the project members with a qualified majority of the number of votes submitted, according to § 14 of the MA Bylaws. Voting can take place at a project meeting, or it can be performed electronically. Electronic voting is performed according to § 14 of the MA Bylaws where the term “MA members” is replaced by the term “project members” and the regulations regarding “Chairperson” and “Vice-Chairperson” do not apply.

New releases are to be sent to MA for approval according to § 2 of MA Bylaws.

Initial project members (alphabetically ordered)

Name	First Name	Organization
Belmon	Lionel	Global Crown
Beuter	Volker	VI-Grade
Blochwitz	Torsten	ITI GmbH
Deppe	Markus	DSpace
Dion	Bernard	Esterel Technologies
Ellgoth	Hubert	Airbus
Elmqvist	Hilding	Dassault
Friedrich	Markus	Simpack
Fritzson	Peter	Open Source Modelica Consortium
Heinkel	Hans-Martin	Bosch GmbH
Junghanns	Andreas	QTronic
Köhler	Jochen	ZF Friedrichshafen AG
Krasser	Jürgen	AVL
Mai	Pierre	PMSF
Mitrohin	Corina	ETAS
Mühlbauer	Monika	Siemens
Nagasawa	Mikio	Cybernet
Nishimiya	Kenji	Honda
Nöding	Michael	TU Braunschweig
Otter	Martin	DLR
Pfeil	Markus	TWT-GmbH
Schmitke	Chad	Maplesoft
Schneider	Stefan-Alexander	BMW
Smith	David	Synopsis
Sommer	Torsten	Modelon GmbH
Soppa	Andreas	Volkswagen
Tummescheit	Hubertus	Modelon AB

Initial project leader

Jochen Köhler (ZF)