

## Application for a Modelica Association Project – Part 1 - Bylaws

### Project name

Functional Mockup Interface

### Project purpose

Development, standardization and promoting the Functional Mockup Interface (FMI) definition, one result of the ITEA2 project MODELISAR. The intention is that dynamic system models of different software systems can be used together for software/model/hardware-in-the-loop simulation and for embedded systems.

### License of project results

The FMI specifications are published under the CC-BY-SA (Creative Common Attribution ShareAlike 3.0 Unported) 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/3.0/>

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

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.

Project members are divided into two groups that have different rights:

#### Group 1: Steering Committee

1. Consists of organizational members that have voting rights (one vote for one organization, details see below).
  2. Defines FMI policy, strategy, feature roadmap, and future FMI releases.
  3. Members are organizations that actively support FMI. For the matter of clarity: A member need not to be a member of the Modelica Association.
  4. Members elect a project leader for 2 years with qualified majority (see below). The project leader must be an individual member of the Modelica Association, or must be the liaison member of an organizational member of the Modelica Association.
  5. The Steering Committee is open for additional members that proofed to actively support FMI.
- Requirements:

Must have (a) participated at least at two FMI meetings in the last 24 months, (b) must either provided the FMI standard or part of it in a commercial or open source tool, and/or must actively use FMI in industrial projects, (c) the members agree with qualified majority (see below).

#### Group 2: Advisory Committee

1. Consists of organizational members that have no voting rights.
2. Contribute to the design of FMI.
3. Have access to the internal infrastructure of the FMI design (svn, trac, mailing lists, meeting minutes, etc.).
4. The Advisory Committee is open for additional members that proofed to actively support FMI.  
Requirement:  
Must have participated at least at two FMI meetings in the last 24 months. No voting is necessary for becoming Advisory Board member.

#### **Visitors**

The FMI meetings are open to the public. Participants that are neither in Group 1 or 2 are called "Visitors". Visitors do not have access to the internal infrastructure of the FMI design (svn, trac, mailing lists, etc.).

#### **Voting**

Voting is performed by the Steering Committee members according to § 14 of the MA Bylaws but with a quorum of four organizations. If explicitly decided by the Steering Committee members, every voting can be performed electronically according to § 14 of the MA Bylaws.

New releases of the FMI specification and accompanying source code (like C-header or xml schema files) shall be approved by the Steering Committee members with a qualified majority of the number of votes submitted.

## Application for a Modelica Association Project - Part 2 – Initial member

### Initial project members

#### Initial members of the Steering Committee

MODELISAR and OPENPROD project partners that contributed to the FMI design and either have released software with FMI support, or evaluated FMI in industrial use cases, and are interested to further contribute to FMI in the future. The initial members will pay the trademark cost for the “Functional Mockup Interface” in Europe and in U.S.A (about 20000 – 30000 €). Proposal for initial members (list from FMI 1.0 contributors that fulfill the rules above):

Atego, Daimler, Dassault Systèmes, ITI, LMS, Modelon, QTronic, SIMPACK

#### Initial members of the Advisory Committee

MODELISAR and OPENPROD project partners that contributed to the FMI design or evaluated FMI in industrial use cases, and are interested to further contribute to FMI in the future. Proposal for initial members (list from FMI 1.0 contributors that fulfill the rules above):

DLR, Fraunhofer IIS/EAS, Fraunhofer SCAI, IFP, Open Modelica Consortium,  
TWT, University of Halle

### Initial project leader

Proposal for the initial project leader: Torsten Blochwitz from ITI (he has successfully headed the FMI 1.0 for Co-Simulation and together with DLR headed the FMI 2.0 for Model Exchange and Co-Simulation development).