



EBCPSMegaModel

Requirements-
MegaModel-
Fragment

IRM-
Model

Design-
MegaModel-
Fragment

DEECODesign-
Model

SelfAdaptation-
MegaModel-
Fragment

IRMSA-
Model

Analysis-
MegaModel-
Fragment

Statistical-
Model

TimeSeries-
Model

ODE-
Model

Composition-
MegaModel-
Fragment

Boundary-
Model

Fitness-
Model

Runtime-
MegaModel-
Fragment

DEECORuntime-
Model

Simulation-
MegaModel-
Fragment

MATSim-
Simulation-
Model

ROS-
Simulation-
Model

OMNet++
Simulation-
Model

Stage-
Simulation-
Model

Requirements-
Capturing-
Operation

IRM-
To-
DEECODesign-
Transformation-
Operation

Instantiation-
Transformation-
Operation

IRMSA-
DEECORuntime-
Integration-
Operation

IRMSA-
ODE-
Integration-
Operation

IRMSA-
Statistical-
Integration-
Operation

IRMSA-
TimeSeries-
Integration-
Operation

Boundary-
DEECORuntime-
Integration-
Operation

Fitness-
DEECORuntime-
Integration-
Operation

DEECORuntime-
MATSim-
OMNet++
Integration-
Operation

DEECORuntime-
ROS-
Integration-
Operation

ROS-
OMNet++
Stage-
Integration-
Operation