

SystemC Evolution Fika – 12 September 2023

Introduction

Mark Burton

Martin Barnasconi

systemc.org

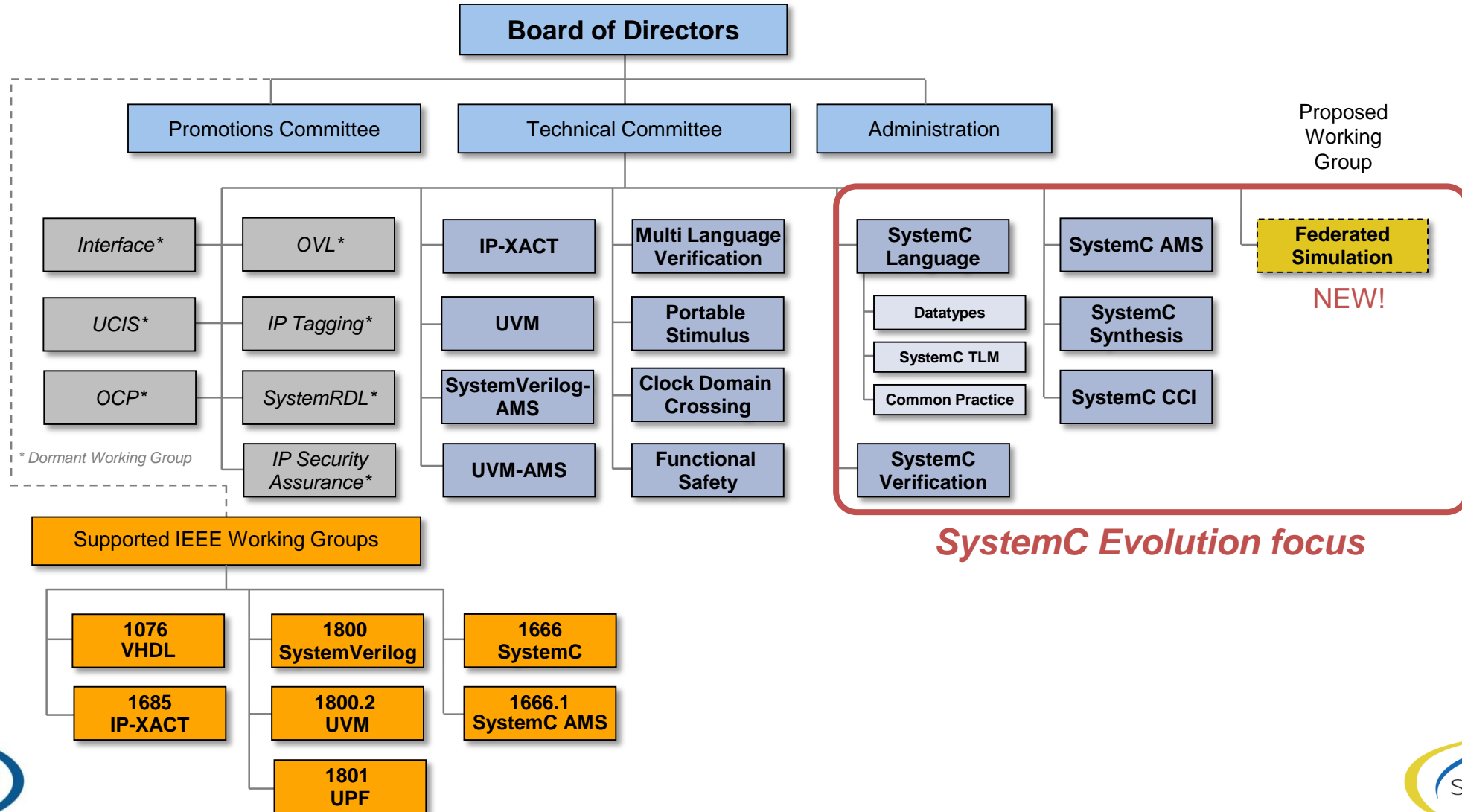
systemc-evolution-fika@lists.accellera.org



SystemC Evolution Fika - Agenda

Time (CEST)	Title	Presenter(s)	Affiliation(s)
16:00 - 16:10	Welcome & Introduction	Mark Burton ¹ , Martin Barnasconi ²	¹ Qualcomm, ² NXP
16:10 - 16:40	SystemC IEEE 1666 update	Jérôme Cornet	STMicroelectronics, IEEE P1666 Chair
16:40 - 17:10	Tracing in SystemC	Lukas Jünger ¹ , Eyck Jentzsch ² , Rocco Jonack ²	¹ MachineWare GmbH, ² MINRES Technologies
17:10 - 17:30	Q&A		

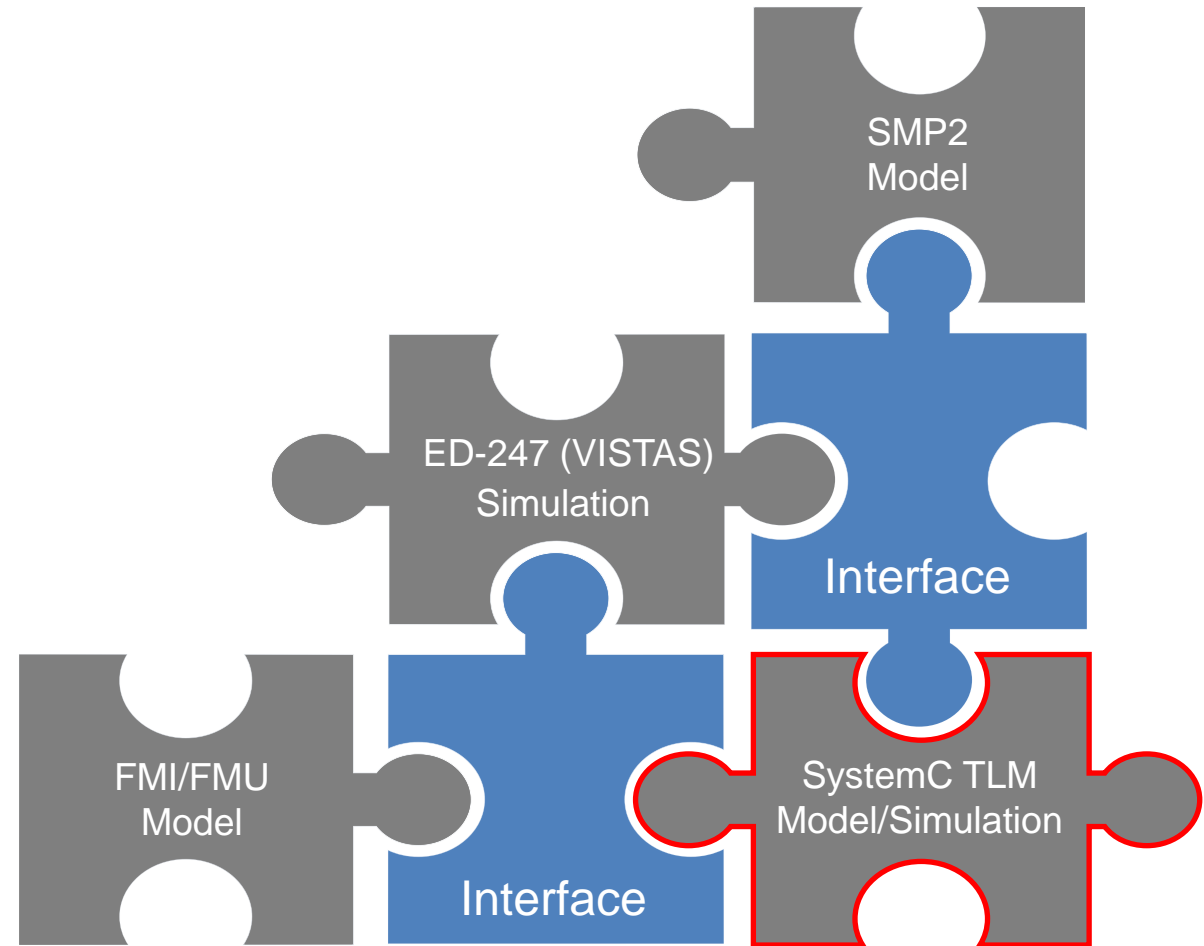
Accellera SystemC Working Groups



Federated Simulation Standard (FSS)

Enabling cross-industry interoperability of simulation frameworks

- Objective: Cross-industry collaboration to improve the interoperability of product and environment simulation
- Approach: Leveraging and connecting existing standards and industry formats
- Introduce standardized interfaces
- Targeting a scalable simulation and modeling ecosystem, covering different levels of the 'OSI stack'



FSS Proposed Working Group & First meeting

- **Call for Participation** is now open!
 - PWG is open for everyone – no Accellera membership required
 - More information and PWG registration:
<https://www.accelera.org/activities/proposed-working-groups>
- First in-person meeting **September 25+26, Toulouse, France**
 - Day 1 : Discuss industry use cases, requirements, applications
 - Day 2: Organizational aspects incl alignment with other initiatives or organizations
 - More information and event registration: <https://evenium.events/8jxrclxh>
- Feel free to contact the organization committee for questions and additional information
 - Martin Barnasconi, Mark Burton, Eric Jenn

Next up – SystemC Evolution Day 2023

- Mark your calendar
 - Date: **16 November 2023** (day after DVCon Europe 2023)
Time: 09:30 - 17:30 CET
Location: Holiday Inn Munich City Centre, Hochstrasse 3, 81669 Munich, Germany
- **Call for Presentations** still open
 - Submit your ideas and contributions for additions and improvements to SystemC and/or its extensions covering TLM, CCI, AMS, Synthesis and/or Verification
 - A contribution can be in the form of a finding, a result, or a proposal, but also a problem experienced that you feel needs attention and discussion in an Accellera and SystemC user-community context
- More information on the event and abstract submission process:
<https://systemc.org/events/sced2023/>

systemc.org

Welcome to the SystemC Community Portal

Your online reference for everything related to SystemC, the language for system-level design, high-level synthesis, modeling and verification.

[Overview](#)

[Downloads](#)

```
1  #include <systemc>
2  #include "fifo.h"
3  #include "producer.h"
4  #include "consumer.h"
5
6  class top : public sc_core::sc_module
7  {
8  public:
9      fifo fifo_inst{"Fifo1"};
10     producer prod_inst{"Producer1"};
11     consumer cons_inst{"Consumer1"};
12
13     top(sc_core::sc_module_name name)
14     : sc_core::sc_module(name)
15     {
16         prod_inst.out(fifo_inst);
17         cons_inst.in(fifo_inst);
18     }
19 };
20
21 int sc_main (int, char *[]) {
22     top top1("Top1");
23     sc_core::sc_start();
24     return 0;
25 }
```