SystemC Community
GitHub, Forums, Websites

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Outline

• Todays SystemC Landscape
• SystemC repository – Accellera vs Public release
• Vision: Building a coherent SystemC ecosystem
• The role of systemc.org
• Tomorrows SystemC ecosystem
• Contribute to systems.org
• Q&A
Todays SystemC Landscape

Accellera SystemC Working Groups

- SystemC Language WG
- SystemC AMS WG
- SystemC Verification WG
- SystemC Synthesis WG
- SystemC CCI WG

Common practices

Data Types

Development Repositories

Accellera SystemC

News & Events

Community pages

GitHub regressions

systemc

accellera-official

PySyC

GitHub repositories

IEEE Xplore

IEEE-SA

LinkedIN Groups

Uploads/Downloads Area

Accellera Files

Vendor A

Vendor B

Vendor C

Accellera & DVCon Videos

Accellera Website

Downloads

Tar.gz Tar.gz

IEEE

SA

Vendor A

Vendor B

Vendor C

IEEEXplore

LinkedIn

Groups

IEEE - SA

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SystemC repository Accellera vs Public release

**Accellera SystemC Development Repository**
- Owned by SystemC Language Working Group (LWG)
- Standardization of SystemC, incl transfer to IEEE P1666
- IEEE Std. 1666 compatibility updates
- Bug fixes and enhancements
- Platform / OS compatibility
- Regression test suite
- Accellera members only

**SystemC GitHub Repository**
- Latest stable Accellera release (incl bug fixes)
- Community members can make local fork
- Incorporating bug fixes from community (pull requests*)
- Features & enhancement (pull requests*) moved to SystemC LWG for consideration

* Pull requests require signed-off contribution using Accellera Developer's Certificate of Origin
Vision: Building a coherent SystemC ecosystem

• Todays SystemC landscape is scattered
• Difficult to find or filter SystemC related content
  – As of today...only Google might help you
• Initial attempt: SystemC community pages on accellera.org
  – Challenges: Who to assign to keep these pages up-to-date?
    Where to highlight SystemC-related products and services?
• Next attempt: Community maintained SystemC portal!
  – Resulted in action to revitalize and restart systemc.org
The role of systemc.org

• Establish a SystemC Community Portal as **one-stop-shop** for all SystemC related developments, products and services

• [systemc.org](https://systemc.org) not considered as a *replacement* of the established infrastructure and existing websites, but positioned as a **community portal** to find information more easily

• Website sources hosted on [GitHub](https://github.com), enabling **direct integration** of community feedback, inputs and updates (based on pull requests)

• Let’s build the SystemC Community Portal together!
Common Practice: Bring your own ideas. Share and download code examples. Proven industry solutions, services, and technologies
Contribute to systemc.org

- New SystemC Community Portal
  - Download standards and reference implementations
  - Resources (Videos, Books, Tutorials, ...)
  - Upcoming and past events
  - Link to Discussion Forum (link)
  - Link to Accellera public GitHub repository
  - Common practices and community libraries
- YOU can help in adding content!
  - Submit your pull request to github.com/accellera-official/systemc.org

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Thank You

Q&A