

SystemC Summer of Code 2025



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- SystemC/C++ programming experience of 12 weeks during the summer period
 - Contribute to the advancements of the SystemC ecosystem
 - Collaboration with the SystemC standardization experts in Accellera
- Invited audience: Students active in college or university
- Program timeline
 - April 4: Application deadline
 - May – August: Coding period
 - September – October: Wrap-up and hand-over to the Accellera working groups

Project suggestions made by Accellera

- Advancing the SystemC build and test flow using (CI)
 - Improving the automation and quality of Accellera's reference implementations
- Thread-safe SystemC reference implementation
 - Modernize SystemC, upgrading codebase to C++17 and make it thread-safe
- SystemC Control Interface
 - Develop an interactive API to control the simulator incl parameters access
- Federated Simulation including SystemC
 - Setup of a distributed and orchestrated simulation framework incl SystemC

Note: Students are encouraged to propose alternative / better proposals

Submission process

Submit your application to ssoc@lists.accelera.org including

- Your project proposal
- Your resume/CV
- Evidence that you are a student at an accredited college or university
- A signed [Contributor Agreement](#)

Students are notified not later than April 7

Note: Limited seats available (4)

Required and preferred qualifications

Programming skills

- Experience with C++ programming (C++17 or above preferred)
- Knowledgeable in Object Oriented Programming
- Experience with SystemC modeling and simulation concepts
- Familiar with SW development ecosystem (e.g., GitHub)

Personal skills

- Eager to learn and willing cooperate in an international setting
- Passionate in learning to apply C++ and SystemC in the real world
- Able to work independently and remotely

Recognition and rewards

- As recognition scheme, stipends will be paid per month, for a maximum of three (3) months
 - The maximum amount* of stipends is 1,000 USD/month, depending on project difficulty and actual allocation
 - Based on successful evaluations of the (intermediate) deliverables
- *The exact amount of stipends will be communicated at the start of each project
 - Accellera will do an assessment of each project, duration, and allocated time in close collaboration with the student

More information

- SystemC Summer of Code Program at systemc.org
 - <https://systemc.org/events/ssoc2025/>
- Questions and submissions
 - ssoc@lists.accelera.org

