



8th OMNeT++ Community Summit 2021

Virtual Summit – September 08-10, 2021

CALL FOR HACKATHON CONTRIBUTIONS

<http://summit.omnetpp.org/2021>

The OMNeT++ Community Summit is an open meeting with time and space for tutorials, discussions, coding sessions as well as presentations on recent developments and novel ideas in the broad area of modeling and simulation, with a focus on the OMNeT++ simulation framework. The OMNeT++ summit unites users, developers, and researchers to discuss applications, developments, and ideas on the topics of integrating simulation models, coupling different simulation tools and providing more accurate and more efficient modeling approaches and simulation models

Continuing the tradition of previous years, another hackathon will be co-located with this year's OMNeT++ Community Summit.

The hackathon gives developers of simulation models and simulation frameworks the chance to consult and team-up with the OMNeT++ core developer team and fellow framework developers, in order to improve the quality and interoperability of simulation models and frameworks and to work on topics proposed by the developers themselves. Participants and topics will be selected based on prior written project proposals.

Exemplary topics for hackathon projects:

- porting an existing codebase to recent versions of OMNeT++ and INET
- introducing regression tests (i.e., fingerprint testing)
- add "project features" support if needed (for large projects)
- add visualization (e.g., using figures, layers, 3D visualization)
- discuss the practice of simulation result collection and analysis
- discussion on interoperability and OMNeT++ development roadmaps
- making better use of INET 4.x features
- hands-on problem solving (e.g., improving scalability)
- set up continuous integration (e.g. Travis)
- improving certain aspects of existing simulation models
- improving interoperability with other frameworks

SUBMISSION AND PARTICIPATION

We invite researchers and users alike to submit their proposal for a hackathon project via e-mail to the organizers:

[<omnetsummit2021@easychair.org>](mailto:omnetsummit2021@easychair.org)

Participants can freely attend the OMNeT++ Community Summit. No registration fees required.

DATES and DEADLINES

Proposal Submission Deadline:	August 08, 2021	Hackathon Dates:	September 08-09, 2021
Proposal Author Notification:	August 13, 2021	Summit Dates:	September 08-10, 2021

ORGANIZERS

Virtual Summit Organizer

Rudolf Hornig (OpenSim Kft.)

Technical Program Organizers

Marcel Marek (Brno University of Technology)
Giovanni Nardini (University of Pisa)
Vladimir Vesely (Brno University of Technology)

Hackathon Organizer

Asanga Udugama (University of Bremen)