6th OMNeT++ Community Summit 2019

Hamburg University of Technology, Germany – September 04-06, 2019

CALL FOR HACKATHON CONTRIBUTIONS

http://summit.omnetpp.org/2019

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.

After the great success of the first hackathon in Pisa last year, a similar hackathon will also be organized together 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++ and INET 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:

- port an existing codebase to recent versions of OMNeT++ / INET
- introduce 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
- discuss interoperability and OMNeT++ development roadmaps

- include new features of INET 4.x
- hands-on problem solving (e.g., improving scalability)
- set up continuous integration (e.g., Travis)
- improve certain aspects of existing simulation models
- improve 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:

<omnetsummit2019@easychair.org>

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

DATES and DEADLINES

Submission Deadline:	August 10, 2019	**Hackathon Dates:**	September 04-05, 2019
		Summit Dates:	September 05-06, 2019

ORGANIZERS

Local Summit Organizers

Koojana Kuladinithi, Zeynep Vatandas and Andreas Timm-Giel
(Hamburg University of Technology)

Hackathon Organizers

Asanga Udugama, Sebastian Lindner and Vladimír Veselý
(University of Bremen, Hamburg University of Technology, Brno University)

Technical Program Organizers

Anna Förster, Antonio Virdis
(University of Bremen, University of Pisa)

Publicity Organizers

Kyeong Soo Kim, Minette Zongo Meyo, Florian Meyer
(Xi'an Jiaotong–Liverpool University, University of Ngaoundéré, Hamburg University of Technology)