

Welcome to WOSCx1

First Workshop on Serverless Computing Online
Experience/Exchange

<https://www.serverlesscomputing.org/woscx1/>

Why WOSCx1?

Serverless technologies are now at least eight years old. Serverless now is more than Function-as-a-Service and it is gaining in popularity:

- Serverless Resource Management (data-driven, workload-driven, cost engineering, AI optimizations),
- novel horizontal services and middleware (like AWS EMR, IBM Code Engine, Google Cloud Run, Azure Container Instances, CloudFlare Workers)
- Serverless Vertical Domains (Serverless Genomics, Serverless MetaVerse, Serverless Personal Computing, Serverless Edge Computing, Serverless DataSpaces).
- And many more

How do we work together? Academia and industry? We need an open online forum for discussing the future of Serverless technologies?

How to create an open online forum?

WOSCx1 is our attempt to answer that question.

We start with talks but we would like to have a place where there is an ongoing exchange of ideas, links, demos, prototypes, etc.

Then when there is enough content we organize online workshop to showcase what is happening using the best format: short talks, lightning talks with topics like:

- Short talks about what you are doing in serverless computing space
- Serverless Visions - Blue Sky proposals about Serverless technologies
- Serverless Prototypes - Demonstration and tutorials of new Serverless technologies
- Serverless PhDs - PhD Elevator Pitch on Serverless technologies
- Panel discussions

Your voice, your content, we exchange idea, we make serverless future better

WOSCx1: past and future

Previous workshops: <https://www.serverlesscomputing.org/workshops/>

This is online workshop: we want you to participate

Slack channel #woscx1 (46 users in Slack server)

Mailing list: <https://groups.google.com/g/future-compute> (42 members)

Post your questions, share prototypes/demos, discuss anything related to serverless in Slack and post to mailing list

Future events:

WoSC8: <https://www.serverlesscomputing.org/wosc8/>

Paper Submission: August 31, 2022

WOSCx2: send us your ideas

Time

12:00pm-12:10pm **Welcome, organization schedule, breaks, how to ask questions etc.**

12:10pm-12:50pm **Talks (4x10min)**

[#1 - Serverless Computing in the Continuum -OR- When I'll Stop Worrying and Learn to Love Serverless](#)

[#2 - Elastic Data Streams in Pravega for Serverless Computing](#)

[#3 - Federated FaaS for Flexible Scientific Computing](#)

[#4 - Beyond Serverless Computing With Kalix](#)

12:50-1pm **Break: hangout in Zoom, open mic**

1pm-1:40pm **Talks (4x10min)**

[#5 - Support Architecture for Serverless computing: model considerations and potential trends](#)

[#6 - Serverless Bomberman: RTMPG PoC based on Durable Functions](#)

[#7 - Netherite: Efficient Execution of Serverless Workflows](#)

[#8 - Serverless Computing: Challenges, Opportunities, and Beyond](#)

1:40pm-1:45pm **Break: hangout in Zoom, open mic**

1:45pm-2pm **Panel with presenters answering questions from audience about their presentations.**

We asked all panel presenters following questions:

- How do you see Serverless Computing in five years ?
- Propose a technical challenge to solve in this field in the next years
- What question would you want to ask another participant?

Ending with final question: How can we make future WOSCx better?

First session

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