

Welcome to the

**11th International Workshop on
Polyhedral Compilation Techniques**

IMPACT

<https://acohen.gitlabpages.inria.fr/impact/impact2021>
<https://gather.town/app/HIZ4Ugq7KGSg5afH/IMPACT2021>



January 20, 2021
Online Event

Program (CET/Brussels)



3:00 pm **Welcome!**

3:00 pm – 4:30 pm **Session 1**

- **Polygeist: Affine C in MLIR**

William Moses, Lorenzo Chelini, Ruizhe Zhao and Oleksandr Zinenko

- **A Templated C++ Interface for isl**

Sven Verdoolaege, Oleksandr Zinenko, Manjunath Kudlur, Ron Estrin, Tianjiao Sun and Harinath Kamepalli

- **Representing Non-Affine Parallel Algorithms by means of Recursive Polyhedral Equations**

Patrice Quinton and Tomofumi Yuki

4:30 pm – 5:00 pm **Coffee Break**

5:00 pm – 6:30 pm **Session 2**

- **Simplifying Dependent Reductions**

Sanjay Rajopadhye

- **Static Versioning in the Polyhedral Model**

Adithya Dattatri and Benoit Meister

- **Hardware Abstractions for targeting EDDO Architectures with the Polyhedral Model**

Angshuman Parashar, Prasanth Chatarasi and Po-An Tsai

6:30 pm **Closing remarks**

Networking/Break: Gather



“Gather” space open until 8pm (CET)

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Organizers

- **Chairs**

- Aravind Sukumaran Rajam, Washington State University, USA
- Albert Cohen, Google, France

- **Program Committee**

- Riyadh Baghdadi, MIT, USA
- Muthu M. Baskaran, Reservoir Labs, USA
- Sam Bayliss, Xilinx, USA
- Philippe Clauss, University of Strasbourg, France
- Paul Feautrier, ENS Lyon, France
- Guillaume Iooss, INRIA, France
- Louis Noel Pouchet, Colorado State University, USA
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- Michelle Strout, The University of Arizona, USA
- Adilla Susungi, Huawei, France
- Ramakrishna Upadrasta, IITH, India
- Tomofumi Yuki, INRIA, France
- Jie Zhao, State Key Laboratory of Mathematical Engineering and Advanced Computing, China

Sponsors



We are very grateful to **Reservoir** Labs for supporting the workshop and being a sponsor of the HiPEAC conference

Google supported us in providing a gather.town space for all participants

Break! 16:30 - 17:00

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Feedback and Questions
impact-chairs@lists.gforge.inria.fr

Thank you!

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