Welcome to the

11th International Workshop on Polyhedral Compilation Techniques

IMPACT

https://acohen.gitlabpages.inria.fr/impact/impact2021
https://gather.town/app/HlZ4Ugq7KGSg5afH/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
  – Eun Jung Park, LANL, USA
  – Mahesh Ravishankar, Google, USA
  – 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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