PIMT 2021 NSF WORKSHOP ON PROCESSING-IN-MEMORY TECHNOLOGY

March 2021, George Mason University, Fairfax, VA

Introduction

PIMT will provide a forum for leading experts in the relevant research thrusts of Processing-In-Memory technology, specifically circuit, architecture, systems, and applications. This will enable researchers to brainstorm the latest research progress and discuss their visions of the critical challenges that need to be addressed in the near future.

Workshop Committees


Ulf Schlichtmann
Technical University of Munich


Partha Pande
Washington State Univ.


Yiran Chen
Duke Univ.


Sharon Hu
University of Notre Dame

Important Dates

- Pilot Talks (Online)
  Sept. 2020~Mar. 2021
- Workshop Application
  Jan. 2021, Notification: Mid-Feb.
- In-Person Workshop
  Mar. 2021

Workshop Schedule

Phase 1: Pilot Talks (Online)

To boost the community vitality during the pandemic, the workshop will hold pilot talks online to the public.

Phase 2: In-Person Participated Workshop

The workshop will be held at George Mason University, which is structured with Invited Talks, Invited Expert Panels, Group Discussions, and Report Synthesis.

PIMT Call for Participation

Pilot Talks (Online)

1st Pilot Talk
Dr. Kaushik Roy Purdue Univ.
Sept. 18th, 2020
In-Memory Computing based Machine Learning Accelerators: Opportunities and Challenges

2nd Pilot Talk
Dr. Onur Mutlu ETH Zurich
Oct. 26th, 2020
Intelligent Architectures for Intelligent Machines

3rd Pilot Talk
Mr. Stephen S. Pawlowski
Micron Technology Dec. 10th, 2020
The Challenges and Opportunities of Processing-in-Memory

4th Pilot Talk
Dr. Xian-He Sun
Illinois Institute of Technology Jan. 7th, 2021
The Challenges and Opportunities of Processing-in-Memory: A Performance Point of View

5th Pilot Talk

Dr. Ram Krishnamurthy
Intel Labs
Feb. 5th, 2021 10AM~11PM EST

High Performance and Energy Efficient Circuit Technologies for sub-7nm AI Accelerators and In-Memory/ Near-Memory Computing

* Please visit our YouTube channel for the previous talks' video recording.

INFORMATION

http://www.nsf-pim.com/

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*The workshop organization team is carefully monitoring the situation of COVID-19. The exact date of the workshop will be timely updated online.