PDSW 2020

5th International Parallel Data Systems Workshop

Philip Carns, General Chair

Shadi Ibrahim, Program Chair

Kento Sato, Program Vice Chair

SC20

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Welcome!

- ***The goal of PDSW is to facilitate research that addresses the most critical challenges in scientific data storage and data processing.***

- PDSW brings together experts from several overlapping communities:

  - HPC

  - Big data

  - Analytics

We continue to build on the tradition established by previous Data Intensive Scalable Computing and Parallel Data Storage workshops dating back to 2006.

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PDSW 2020: 5th International Parallel Data Systems Workshop
https://www.pdsw.org

What's new?

- ► PDSW changes in 2020:
  - ► The workshop is completely virtual!
  - ► We've returned to the traditional "short paper" format to facilitate fresh ideas and discussion.
- ► PDSW constants over time:
  - ► A strong community
  - ► A positive, interactive culture
- ► How the audience can help:
  - ► Take advantage of opportunities to be interactive.
  - ► Give your program chairs a virtual pat on the back for adeptly navigating this year's challenges!

Program highlights
(Full program at pdsw.org)

► Keynote speech

  ► *Nitin Agrawal is a Principal Engineer at ThoughtSpot*

► 8 full paper presentations (3 sessions)

► 3 work in progress (WIP) presentations (1 session)

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This wouldn't be possible without the combined efforts of this year's workshop team:

Jay Lofstead:	Steering Committee Chair
Dean Hildebrand:	Steering Committee Vice Chair
Philip Carns:	General Chair
Shadi Ibrahim:	Program Chair
Kento Sato:	Program Vice Chair
Carlos Maltzahn and Ivo Jimenez:	Reproducibility Co-Chairs
Thomas Lambert:	Publicity Chair
Joan Digney:	Web and Publications Chair

And of course: thank you to everyone who contributed research papers and WIP presentations for sharing your work with the community!

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We also owe a big thanks to the program committee:

These subject matter experts are not just gatekeepers for PDSW. They provide constructive guidance to our community to help make our research stronger.

- Olivier Beaumont, Inria, France
- Jalil Boukhobza, University of Western Brittany, France
- Suren Byna, Lawrence Berkeley National Laboratory, USA
- Raghunath Raja Chandrasekar, Amazon Web Services, USA
- Yong Chen, Texas Tech University, USA
- Yue Cheng, George Mason University, USA
- Jason Cope, DDN Storage, USA
- Toni Cortes, Universitat Politècnica de Catalunya, Spain
- Matthieu Dorier, Argonne National Laboratory, USA
- Lisa Gerhardt, Lawrence Berkeley National Laboratory, USA
- Elsa Gonsiorowski, Lawrence Livermore National Laboratory, USA

- Bingsheng He, National University of Singapore, Singapore
- Johann Lombardi, Intel Corporation, France
- Xiaoyi Lu, Ohio State University, USA
- Xiaosong Ma, Qatar Computing Research Institute, Qatar
- Diana Moise, Hewlett Packard Enterprise, Switzerland
- Anna Queralt, Barcelona Supercomputing Center, Spain
- Brad Settlemyer, Los Alamos National Laboratory, USA
- Xuanhua Shi, Huazhong University of Science and Technology, China
- Vasily Tarasov, IBM Corporation, USA
- Osamu Tatebe, University of Tsukuba, Japan
- Amelie Chi Zhou, Shenzhen University, China

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We are also grateful for

Philip C. Roth: SC workshops Chair
Jackie Kern: SC20 Virtual Team
Leah Glick and Taylor Carr: Support team behind Linklings
Manish Parashar and Siva Rajamanickam: IEEE TCHPC committee
Patrick Kellenberger: IEEE Computer Society

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Logistics for speakers and Audience

► PDSW 2020 includes 5 sessions: Keynote speech, 3 sessions for paper presentations and 1 session for work in progress (WIP) presentations

► Talk's Organization:

  ► Pre-recorded presentation

  ► Live Q&A session

    ► The speaker and session chair can use audio and video during q&a

    ► Attendees will be asking questions

      ► Chat box

      ► Question box (this one lets attendees vote too)

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Keynote Talk

Session chair
Kento Sato

5th International Parallel Data Systems Workshop

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Keynote Talk

Session chair
Kento Sato

Nitin Agrawal
Principal Engineer at ThoughtSpot

Sink or Swim: How Not to Drown in Colossal Streams of Data?

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