37th International Conference on Scalable Scientific Data Management

June 23–25, 2025 — Columbus, Ohio

Opening Remarks

Suren Byna

The Ohio State University

Venue & Sponsors

- THE Ohio State University
- Founded in 1870
- Among the top 5 public universities
  - 16 colleges
  - 400 degree programs
- Home of the Buckeyes
- Pomerene Hall
  - Built in 1922 as the first women's center and recreational facility

- Organizing partners
  - Department of Computer Science and Engineering
  - Translational Data Analytics Institute TDAI
  - NSF StoreHub project, a collaboration between The Ohio State University and Illinois Institute of Technology, Chicago
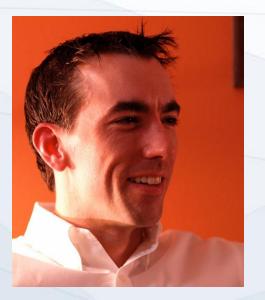
Paper & Registration Statistics

- Refereed submissions
  - 24 papers submissions
    - Accepted 12 as full papers and 1 as short paper
  - 15 short & demo paper submissions
    - 10 accepted
- Referred poster submissions
  - 19 accepted posters
- Papers from
  - 12 countries (USA, Canada, France, Germany, Greece, Morocco, Japan, South Korea, India, Vietnam, China, and Taiwan)
- Proceedings
  - https://dl.acm.org/doi/proceedings/10.1145/3733723
  - Short URL: go.osu.edu/ssdbm25-acm

Program Highlights - Keynotes

**Manish Parashar
University of Utah**

Catalyzing the Transformative Impact of Open Science Data

June 23rd, (9:15 am)

**Rob Ross,
Argonne National Laboratory**

Supporting Science Through Data Management Software

June 24th (9:05 am)

**Xian-He Sun
Illinois Institute of Technology**

The Data-Centric Imperative: from Hermes to StoreHub

June 24th (1:30 pm)

**Laura Biven
Jefferson Lab**

Trends and research challenges for data and computing ecosystems

June 25th (9:05 am)

Program Highlights

- https://ssdbm.org/2025/program

- Regular papers – 4 sessions
- 2 Best papers – Jun 23rd, 3:30 to 5:00 pm session
- Short papers – 3 sessions
- StoreHub community discussion
- Poster Introductions and Poster Reception on Jun 24th
- Awards and SSDBM 2026 Announcements on Jun 25th, at noon
- Panel discussion on Vector Databases

SSDBM Program

Social Event

- Welcome Reception
  - Jun 23rd, Day 1 at 6:00 pm to 9:00 pm
  - Center of Science and Industry (COSI),
    - Progress exhibit
    - COSI located at 333 West Broad St. Columbus, OH 43215
    - https://cosi.org/exhibits/classic-exhibits/progress
  - Carpool: https://go.osu.edu/cosi-carpool
  - Public transportation: COTA buses (Route 1, 2, or 8, Free from Jun 22nd to 24th due to heatwave)
  - Parking
    - LAZ Parking @ 52 Belle St, Columbus, OH 43215
    - Validated parking for free. Take the ticket and bring it with you

- Posters reception
  - Jun 24th, Day 2 at 5 pm
  - Conference attendee photo before the poster session
  - Hors d'oeuvres served during the session

Columbus attractions

- OSU Campus
  - The Oval, Mirror Lake, etc.
  - **Billy Ireland Cartoon Library & Museum**
- Short North Arts District
  - Dining and Arts
- Franklin Park Conservatory
  - Permanent collection of glass artwork by Dale Chihuly
- German Village
  - 1800s historic neighborhood

Organizing Committee

General Chair

- **Suren Byna**, The Ohio State University

General Vice Chair

- **Anthony Kougkas**, Illinois Institute of Technology, Chicago

Program Chairs

- Sarah Neuwirth, Johannes Gutenberg University Mainz

- Venkat Vishwanath, Argonne National Laboratory

Short and Demo papers – co-chairs

- Jalil Boukhobza, ENSTA-Bretagne

- **Alfredo Cuzzocrea**, University of Calabria

- Dong Dai, University of Delaware

Student Posters Competition chairs

- Karly Harrod, Oak Ridge National Laboratory

- **Jay Lofstead**, Sandia National Laboratory

Local Event Coordinators

- **Hanqi Guo**, The Ohio State University

- **Amanda Jovanovich**, TDAI, The Ohio State University

Proceedings Chair

- Jean Luca Bez, Lawrence Berkeley National Laboratory, USA

Web Chairs

- **Houjun Tang**, Lawrence Berkeley National Laboratory

Thanks to program committee members

Full papers PC:

- Philippe Deniel, CEA
- **Hari Devarajan**, Lawrence Livermore National Laboratory
- Hasan Jamil, University of Idaho
- Verena Kantere, University of Ottawa
- Olga Kuchar, Oak Ridge National Laboratory
- Michael Kuhn, Otto von Guericke University Magdeburg
- Chuan-Ming Liu, National Taipei University of Technology
- Ricardo Macedo, INESC TEC
- Preeti Malakar, IIT-Kanpur, India
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- Varuni Sastry, Argonne National Laboratory
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- Maximilian Schüle, University of Bamberg
- Galen Shipman, Los Alamos National Laboratory
- **Houjun Tang**, Lawrence Berkeley National Laboratory
- Kaushik Veluswamy, Argonne National Laboratory
- Lipeng Wan, Georgia State University
- **Kesheng Wu**, Lawrence Berkeley National Laboratory

Short & Demo papers PC

- Kamel Boukhalfa, USTHB
- Laurent D'Orazio, Univ. Rennes
- Bo Fang, Pacific Northwest National Lab
- Qian Gong, Oak Ridge National Laboratory
- Awais Khan, Oak Ridge National Laboratory
- Cheng-te Li, National Cheng Kung University
- Soror Sahri, Université Paris Cité
- Chao Wang, University of Science and Technology of China
- Jinzhen Wang, UNC-Charlotte

Posters PC

- Jean Luca Bez, Lawrence Berkeley National Laboratory
- Philip Carns, Argonne National Laboratory
- **Hariharan Devarajan**, Lawrence Livermore National Laboratory
- Dmitry Duplyakin, National Renewable Energy Laboratory
- Shadi Ibrahim, Inria, Rennes, France
- Jakob Luettgau, Inria, Rennes, France
- Kathryn Mohror, Lawrence Livermore National Laboratory
- Line C. Pouchard, Sandia National Laboratories

Thanks to ….

- All authors who submitted papers and all external reviewers

- All of you for attending

Accepted papers are available online:

go.osu.edu/ssdbm25-acm

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