IWOCL 2024

The 12th International Workshop on OpenCL and SYCL

Welcome to IWOCL 2024

Tom Deakin, General Chair

University of Bristol, UK

APRIL 8-11, 2024 | CHICAGO, USA | IWOCL.ORG

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Cooperating Sponsors

OpenCL and SYCL Working Groups

Monday HackFest

Led by
Sri Ramkrishna
(Intel)

intel

codeplay

Tuesday Advanced SYCL tutorial

Led by
Hugh Delaney
(Codeplay)

Wednesday Khronos Presentation

- State of the Union Updates from OpenCL, SYCL, and SYCL-SC

Thursday Welcome

- Welcome from Argonne National Laboratory
- Brice Videau, ALCF, ANL

Wednesday Keynote

- OpenCL on Mobile
- Kévin Petit, Arm

Thursday Keynote

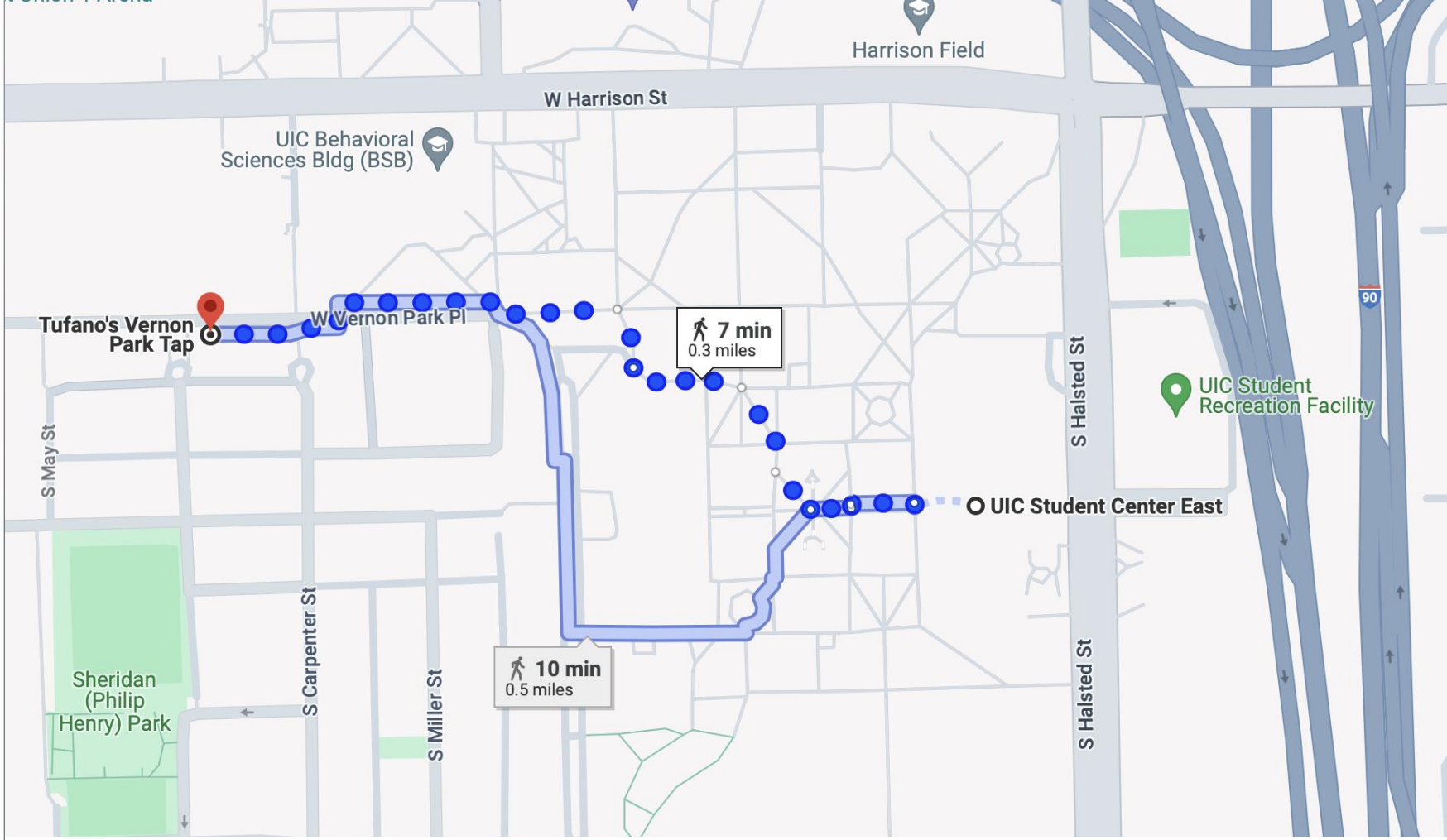
- Rusticl: Compute for the Linux desktop?
- Karol Herbst, Red Hat

IWOCL 2024 Programme

- 45 submissions, accepted:
  - 8 full papers
  - 2 short papers
  - 13 technical talks
  - 12 as posters
- Proceedings: http://dl.acm.org/citation.cfm?id=3648115
- Topics include OpenCL for LLMs, FPGAs, performance and application studies and benchmarking, standard C++, SYCL extensions and implementations, and much more
- Conference ends with panel discussion on interaction of SYCL and OpenCL with ISO C++ for heterogeneous compute

TUFANOS

VERNON PARK TAP
CHICAGO



Wednesday, 19:30 – 22:00

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IWOCL 2024 Closing

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Thanks to our local hosts, Argonne National Laboratory at the University of Illinois, Chicago

- Yasaman Ghadar, Nevin Liber, and Brice Videau (Argonne National Laboratory), Local Arrangements Chairs
- University hosted by Argonne National Laboratory at the University of Illinois, Chicago, USA
- Tim Lewis (Khronos Group), Organising Chair

Thanks to our Programme Committee and PC Chairs:
Aksel Alpay (Heidelberg University)
Brice Videau (ANL)

Baris Aktemur - Intel – Germany

Andrey Alekseenko – KTH Royal Institute of Technology – Sweden

Aksel Alpay – University of Heidelberg – Germany

Hartwig Anzt – University of Tennessee – USA

Thomas Applencourt – Argonne National Laboratory – USA

Ben Ashbaugh – Intel – US

Alex Bourd – QUALCOMM

Marcel Breyer – University of Stuttgart – Germany

James Brodman – Intel – USA

Biagio Consenza – University of Salerno – Italy

Tom Deakin – University of Bristol – UK

Proceedings and Recordings

- Thanks to our Proceedings Chair, Wei-Chen (Tom) Lin (University of Bristol)
- ACM proceedings: http://dl.acm.org/citation.cfm?id=3648115
- Slides and recordings of talks at https://iwocl.org

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OpenCL and SYCL Working Groups

See you again at IWOCL'2

2013: Georgia Tech., USA
120 North Ave, Atlanta, GA 30332, United States of America

2014: University of Bristol, UK
Merchant Venturers Building, 75 Woodland Road, Bristol, BS8 1UB, United Kingdom

2015: Stanford University, USA
Stanford University, 408 Panama Mall, Stanford, CA 94305, United States of America

2016: TU Wien, Austria
TU Wien, Favoritenstraße 9, 1040 Vienna, Austria

2017: Toronto, Canada
Toronto, ON, Canada

2018: Oxford University, UK
St Catherine's College, Manor Road, Oxford, OX1 3UJ, United Kingdom

2019: Northeastern University, Boston, USA
Northeastern University, 360 Huntington Avenue, Boston, MA 02115, United States of America

2023: University of Cambridge, UK
Sidney Sussex College (University of Cambridge), Sidney Street, Cambridge, CB2 3HU, United Kingdom

2024: Argonne National Lab at University of Illinois Chicago
Student Center East (SCE), 750 South Halsted Street, Chicago, IL 60607, United States of America

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