



47th International Conference on Parallel Processing

ICPP 2018 – Call for Papers

Eugene, OR, Aug 13-16, 2018

<http://www.icpp-conf.org>

ICPP, the International Conference on Parallel Processing, provides a forum for engineers and scientists in academia, industry and government to present their latest research findings in all aspects of parallel and distributed computing. ICPP 2018 will be held at the University of Oregon, Eugene, Oregon, in the heart of the Willamette Valley, USA.

ICPP is one of the oldest computer science conferences, and is a premier venue for presenting latest research on all aspects of parallel processing. Papers are solicited in all aspects of the research, development, and application of large-scale high-performance experimental and commercial systems. ICPP 2018 will be organized around five tracks: Architecture, Algorithms, Applications, Software, and Performance.

Algorithms, including combinatorial and numerical; scheduling; power- aware/energy-efficient; machine learning; modeling & analysis.

Applications, including big data; data analytics; computational science & engineering (e.g., aerospace, arts; biology, finance, geology).

Architecture, including processor; memory; I/O; network; instruction-, thread- and data-level parallelism; accelerators & other special-purpose hardware; power-aware/energy-efficient.

Software, including systems software; middleware; programming models, languages, and environments; compilers; operating systems; run-time systems; resource management.

Performance, including scalability; modeling; evaluation of hardware & algorithms; visualization; tools.

Paper Submission

Papers should not exceed 10 pages. Up to two additional pages may be purchased for the camera ready copy if required based on reviewer feedback. The review process is

single-blind so please include author information in your submission. Use the ACM format located at: <https://www.acm.org/publications/proceedings-template>

Poster Submission

Extended abstract (no more than 2-pages in the ACM) format and poster draft (4ft.w x 3ft.h size) should be submitted. All submissions should be made at: <https://ssl.linklings.net/conferences/icpp>

Conference Timeline

	<u>Paper</u>	<u>Poster</u>
Submission deadline (AOE)	9 April 30 March	21 May 11 May
Author notification (AOE)	14 May 3 May	28 May 18 May
Final manuscript due (AOE)	31 May	31 May

Proposals for New Workshops

New ICPP workshop are encouraged. The deadline for workshop proposals is 19 February. Notifications for these workshops will be sent by 23 February.

AOE (Anywhere on Earth) dates shown above mean the deadlines are at 11:59pm UTC-12:00. The above dates are tentative and subject to change. Consult the conference website for the most up-to-date scheduling information.

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