

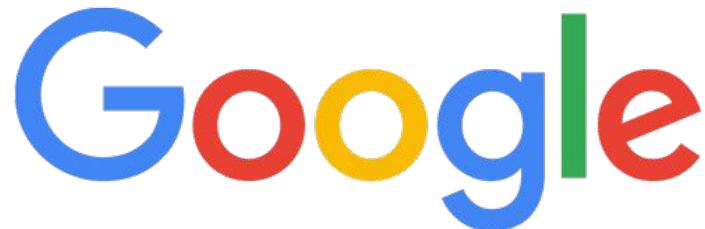
2nd Microarchitecture Security Conference (uASC 2026)

Opening and Welcome

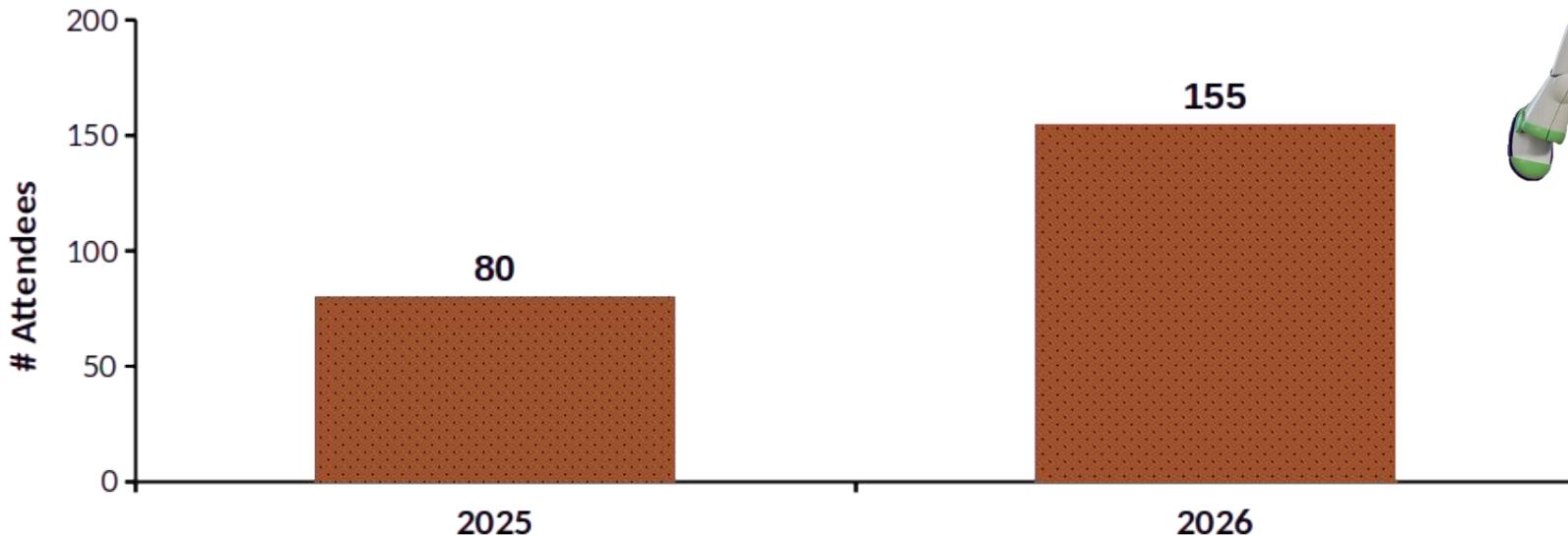
Jo Van Bulck (General Chair), Kaveh Razavi (Program Chair)

February 3, 2026, Leuven

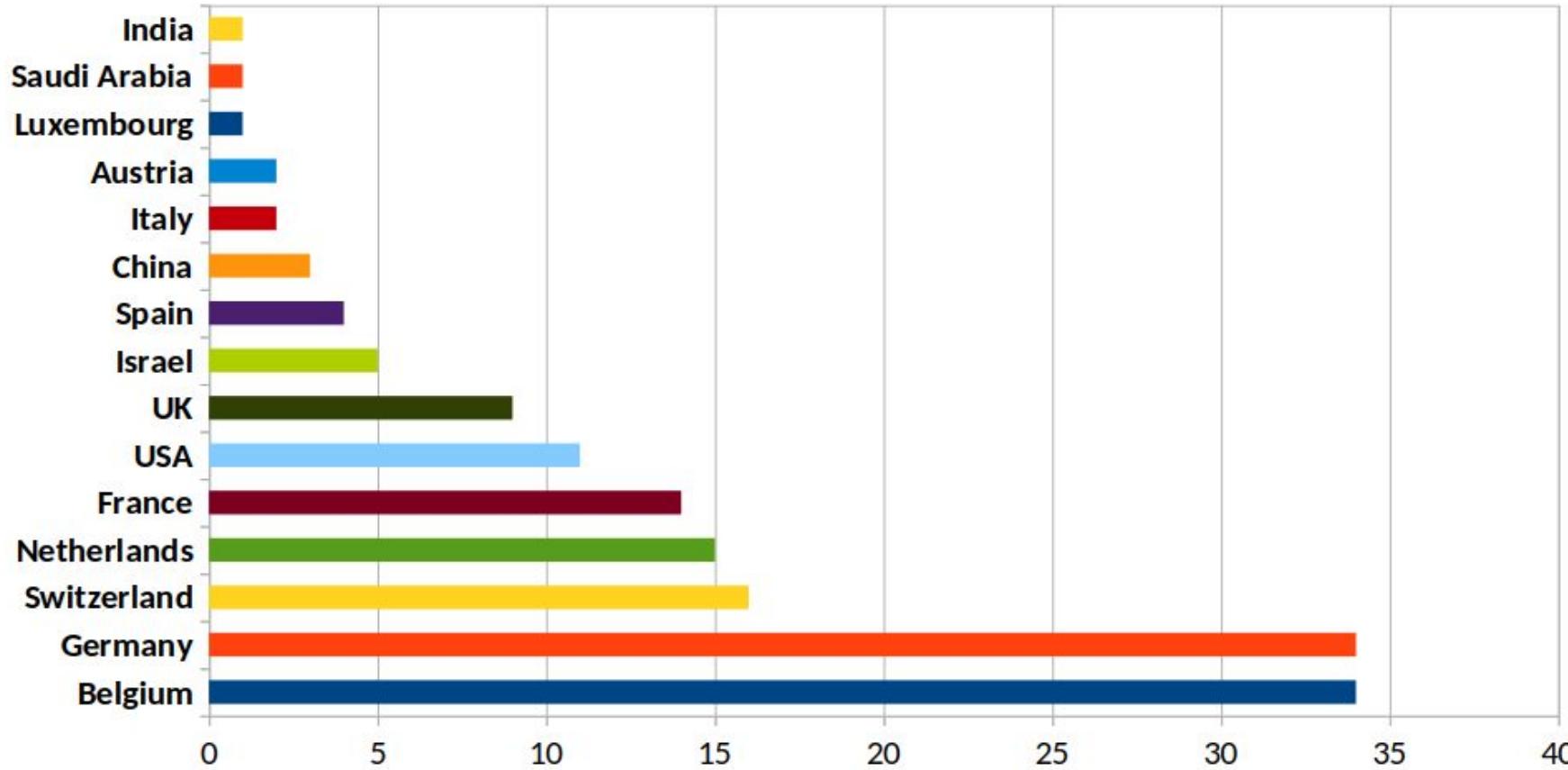
Sponsors: Thank You!



uASC Attendance: To Infinity and Beyond



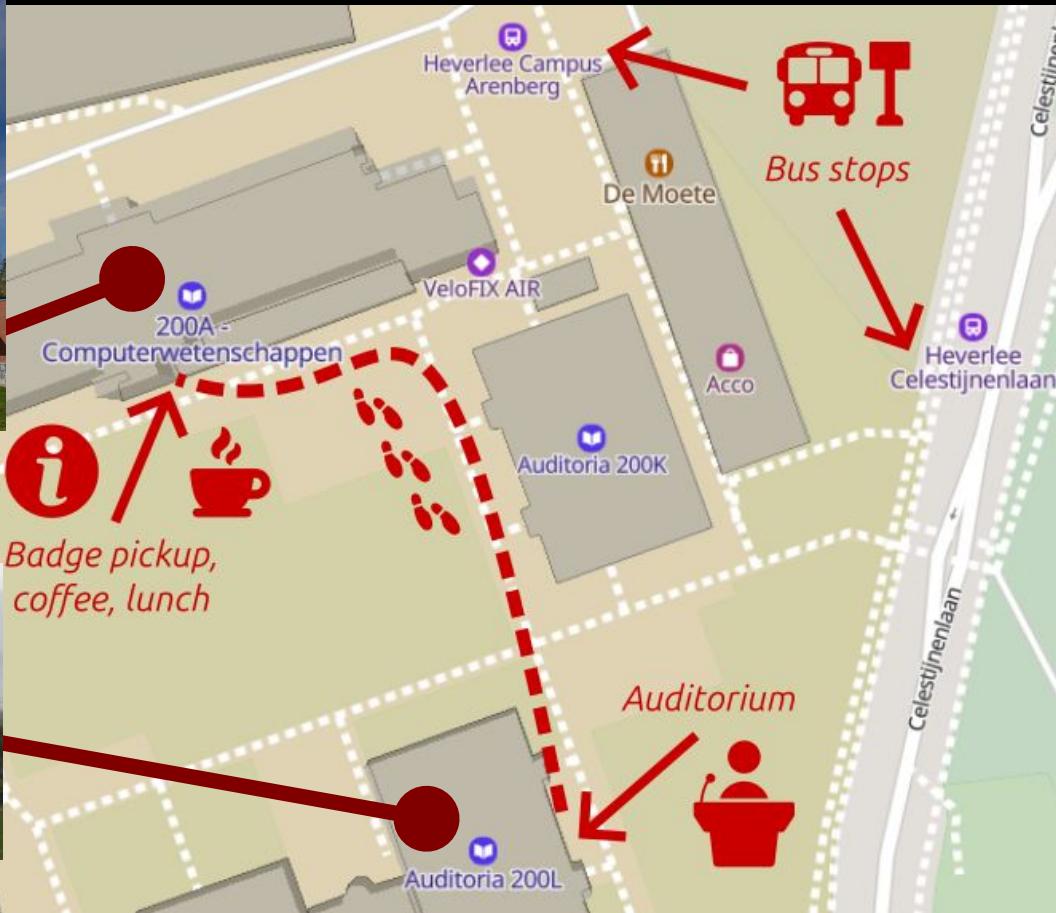
uASC: A Worldwide Community



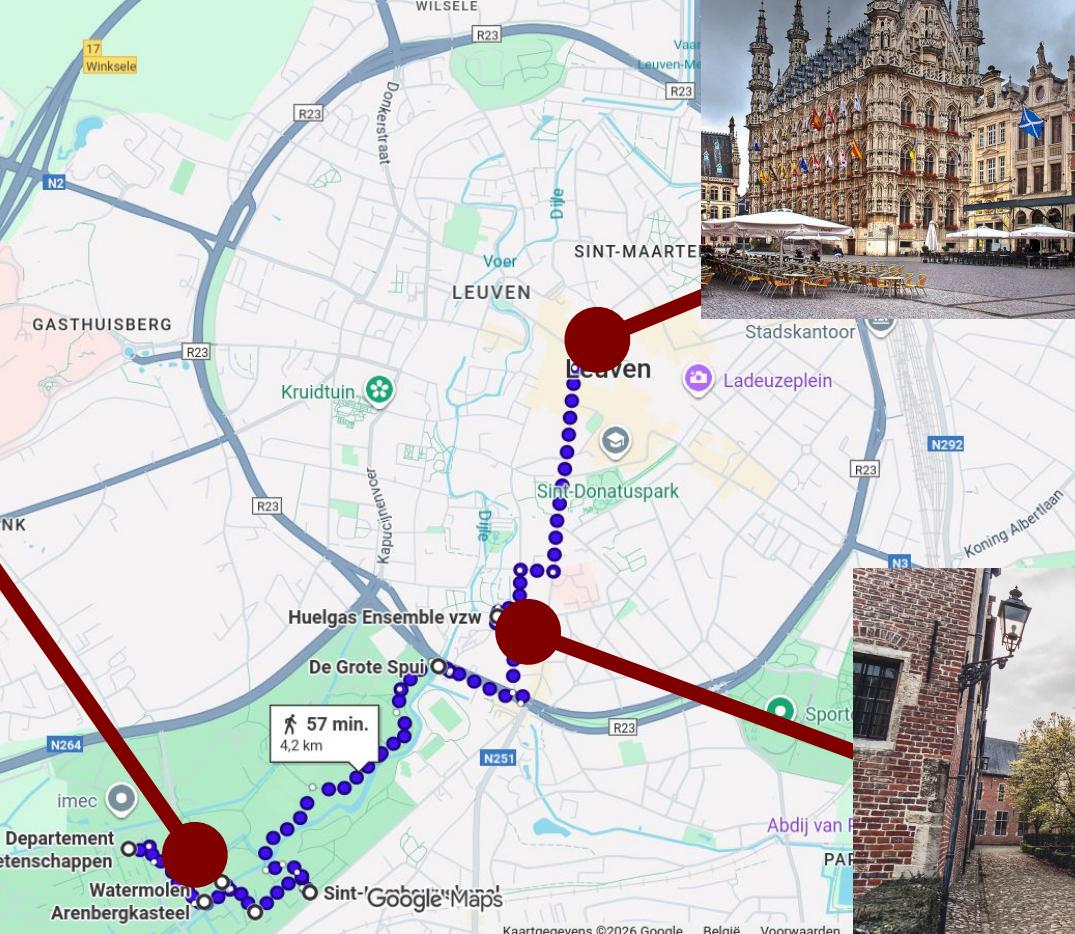
Getting Around the Campus



2001-Monitoraten



Social Event: Guided City Walk



© Frank Smout Images



2nd Microarchitecture Security Conference (uASC '26)

February 3, 2026 at KU Leuven, Belgium

All accepted full papers have gone through double-blind peer review. The conference proceedings of uASC will be published by Ruhr University Bochum in an issue of the Proceedings of the Microarchitecture Security Conference. With a Diamond Open Access status, all papers published in the proceedings are immediately and freely available on the day of the conference.

Conference Program

08:00 to 08:45

Registration

08:45 to 09:00

Welcome and awards

09:00 to 10:00

Keynote

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Keynote

Three main sessions with nine full papers

- *That confused core*
- *Brave new defense*
- *When memory serves not so well*

Two sessions for wip and talks

uASC 2026 Stats

Cycle 1: **6** submissions

Cycle 2: **11** submissions

Total: **17** submissions

uASC 2026 Stats

Cycle 1: **6** submissions **4** accepted as **full**

Cycle 2: **11** submissions **5** accepted as **full**

Total: **17** submissions **9** accepted as **full**

Acceptance rate: **53%**

uASC 2026 Stats

Cycle 1: **6** submissions **4** accepted as **full** **1** accepted as **wip**

Cycle 2: **11** submissions **5** accepted as **full** **2** accepted as **wip**

Total: **17** submissions **9** accepted as **full**

Acceptance rate: **53%**

Thanks to the Program Committee!

- **Shuwen Deng** (Tsinghua University)
- **Ben Gras** (Intel Corporation)
- **Ali Hajiabadi** (ETH Zurich)
- **Boris Köpf** (Microsoft Research)
- **Anil Kurmus** (IBM Research Europe)
- **Alyssa Milburn** (Intel Corporation)
- **Yossi Oren** (BGU)
- **Riccardo Paccagnella** (CMU)
- **Tamara Rezk** (INRIA)
- **Stefan Saroiu** (Microsoft Research)
- **Shweta Shinde** (ETH Zurich)
- **Eduardo Vela Nava** (Google)
- **Mengjia Yan** (MIT)
- **Yinqian Zhang** (SUSTech)

Backup chair: Yuval Yarom (3 submissions)

3-4 reviews per paper

195 comments

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Best reviewer award: Alyssa Milburn

Best Paper Award

Best Paper Award

WeMu: Effective and Scalable Emulation of Microarchitectural Weird Machines

Dries Vanspauwen (DistriNet, KU Leuven), Lesly-Ann Daniel (EURECOM and DistriNet, KU Leuven), Jo Van Bulck (DistriNet, KU Leuven)