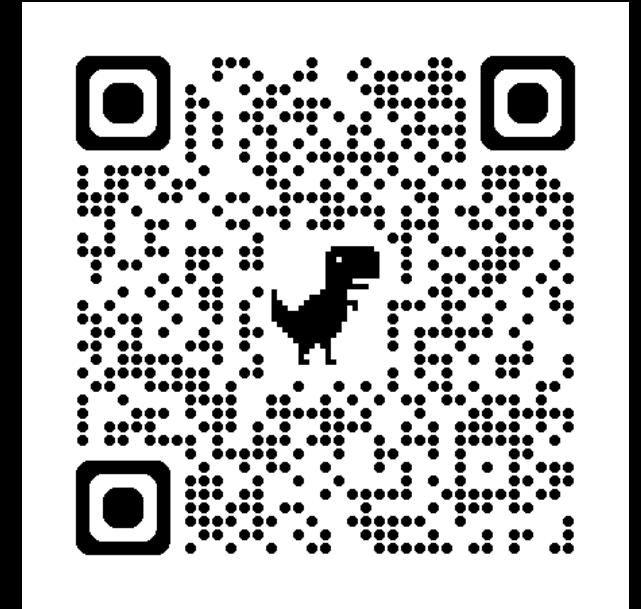


CHEOPS WORKSHOP AT EUROSYS 2026
WORKSHOP ON CHALLENGES AND
OPPORTUNITIES OF EFFICIENT AND
PERFORMANT STORAGE SYSTEMS



Link to the conference website

Monday, April 27th, 2026

Edinburgh, UK

General chair

- ✓ Amelie Chi Zhou - Hong Kong Baptist University, Hong Kong

PC chairs

- ✓ Jalil Boukhobza - National Institute of Advanced Technologies (ENSTA), Institut Polytechnique de Paris, Lab-STICC, France
- ✓ Radu Stoica - IBM Research Europe - Zurich, Switzerland

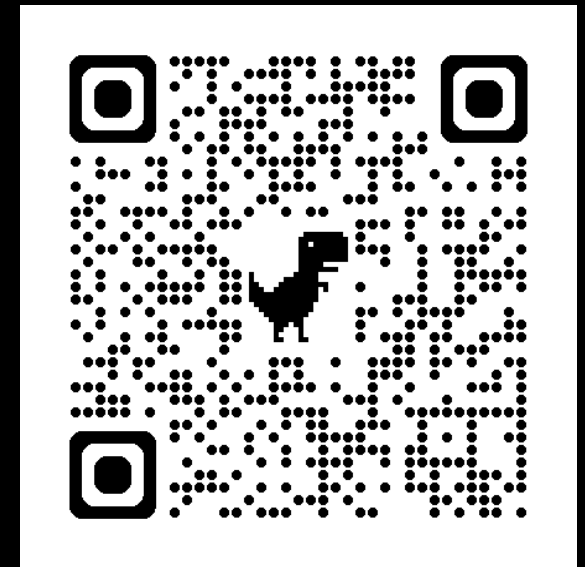
WELCOME TO THIS 6TH EDITION !

The main objective of CHEOPS is to provide a forum for researchers, developers of scientific applications, and engineers to discuss state-of-the-art R&D, innovative ideas, and experiences that focus on the design and implementation of storage systems.

PROGRAM HIGHLIGHTS

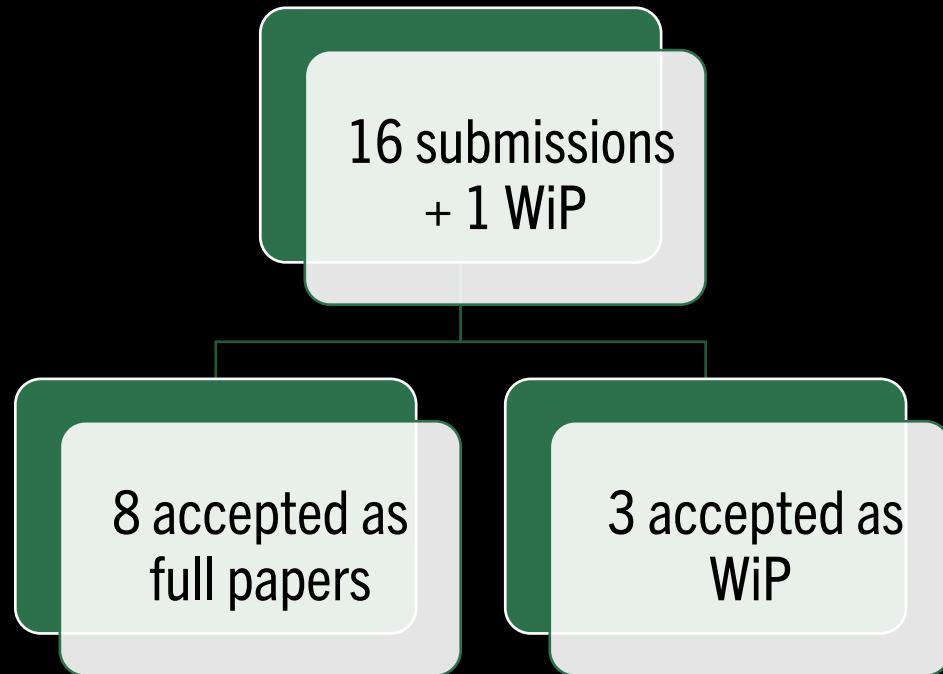
- ✓ Keynote speech
 - ✓ Professor Jason Chun Xue (MBZUAI, United Arab Emirates)
- ✓ 3 full sessions:
 - ✓ Optimizing storage systems
 - ✓ Understanding the I/O stack
 - ✓ Meta data management
- ✓ ACM Proceedings

<https://dl.acm.org/doi/proceedings/10.1145/3805687>



ACM Proceedings

SUBMISSIONS



Contributions from:

- Greece
- France
- Canada
- US
- UK
- Singapour
- China
- ...

Time	Speaker / Authors	Content
09:00-09:10		Welcome from the PC chairs

09:15-10:15 **Keynote – Prof** **Session – Optimizing Storage Systems**
Chair: Pr. Pierre Olivier

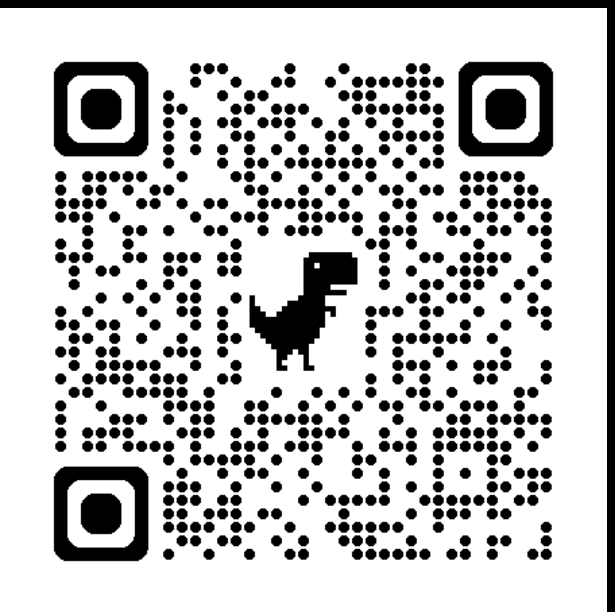
10:15-10:30 Xueze Kang, Gu Yuchu Fang, Yu Eliran Maman, M Bian, Shushu Ch Zheng, Chen Tia

Time	Sp	Content
11:00-11:30	I. M Pa	Session – Understanding the I/O Stack Chair: Pr. Suren Byna

11:30-12:00	R. Mi
12:00-12:30	K. Bil

Time	Content
14:00-14:30	Session – Metadata Management Chair: Pr. Shadi Ibrahim

Time	Speaker / Authors	Content
14:30-14:45		
14:45-15:15		
15:15-15:30		
16:00-16:30	A. Fuad, S. Vashisth, O. Balmau, B. Kemme	PostLearn: Towards A Learned Index For PostgreSQL
16:30-17:00	G. Xanthakis, A. Katsarakis, G. Saloustros, A. Bilas	Compaction Size and Tail Latency in LSM-based Key-Value Stores
17:00-17:30	M. Tranzer, S. Ibrahim	ROR: Using Reads for Fast and Efficient Data Repair in Erasure-Coded Storage Systems



THANKS TO THE COMBINED EFFORTS OF THE TEAM

Steering Committee

- Jean-Thomas Acquaviva - DDN, France
- Jalil Boukhobza - National Institute of Advanced Technologies (ENSTA), Institut Polytechnique de Paris, Lab-STICC, France
- Suren Byna - The Ohio State University, USA
- Konstantinos Chasapis - DDN, France
- Kira Duwe - Conseil européen pour la recherche nucléaire (CERN), Switzerland
- Shadi Ibrahim - Inria, France
- Michael Kuhn - Otto von Guericke University Magdeburg (OVGU), Germany

General Chair

- Amelie Chi Zhou - Hong Kong Baptist University, Hong Kong

Program Chairs

- Jalil Boukhobza - National Institute of Advanced Technologies (ENSTA), Institut Polytechnique de Paris, Lab-STICC, France
- Radu Stoica - IBM Research Europe - Zurich, Switzerland

BIG THANKS TO THE PROGRAM COMMITTEE

- Anastasios Papagiannis, Isovalent at Cisco
- Animesh Trivedi, IBM Research Europe, Zurich
- Christos Kozanitis, FORTH-ICS
- Diana Moise, Hewlett Packard Enterprise (HPE)
- Jay Lofstead, Sandia National Laboratories
- Jean Luca Bez, Lawrence Berkeley National Laboratory
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- Marcus Paradies, LMU Munich
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- Thomas Lambert, Université de Lorraine
- François Tessier, INRIA
- Ricardo Macedo, INESC TEC
- Vassily Tarasov, IBM

**BIG THANKS TO THE AUTHORS WHO ARE THE MAIN
CONTRIBUTORS TO THE SUCCESS OF CHEOPS**

KEYNOTE - PR. JASON CHUN XUE (MBZUAI)

UNLOCKING THE FULL POTENTIAL OF 3D NAND FLASH

- Bio: Chun Jason Xue is a Professor in the Department of Computer Science at the Mohamed bin Zayed University of Artificial Intelligence. He received his Ph.D. from the University of Texas at Dallas in 2007 and spent 16 years at the City University of Hong Kong before joining MBZUAI in 2024. Professor Xue was elected IEEE Fellow, Class of 2026, for his contributions to optimizing the performance of non-volatile memory storage systems, and is also an ACM Distinguished Member. His foundational research on non-volatile memories, addressing read/write asymmetry and write calibration, has influenced commercial products including Intel 3D X-point memory. He has received numerous awards including the ACM Euro Award (2024), IEEE NVMSA Best Paper Award (2023), and ACM HotStorage Best Paper Award (2021).

