

International Supercomputing Conference 2024 (ISC) in Hamburg

HPCQS Workshop – 16 May 2024; Hall Y1, Floor 2

Time	Title	Content
09:00 - 09:15	Introduction by organisers	Welcome to participants. Introduce agenda and format. Survey attendees expectations. Speaker: Venkatesh Kannan, ICHEC
09:15 - 09:30	Introduction of HPCQS project	Background, European positioning, technical and strategic significance of HPCQS project. Speaker: Kristel Michielsen, FZJ
09:30 - 10:05	HPCQS Infrastructure Software	Presentation and demonstration of HPCQS system software for resource management and scheduling. Speaker: Carsten Clauss, ParTec AG
10:05 - 10:40	HPCQS Programming Framework	Presentation and demonstration of AQPU interface and analogue QS programming language framework developed in HPCQS. Speaker: Cyril Allouche, Eviden
10:40 - 11:00	Panel	Q&A with open floor discussion with presenters about design decisions and approaches for HPCQS system software. Moderator: (TBC)
11:00 - 11:30	Break	Break
11:30 - 12:15	Hybrid Use-Cases and Applications	Outline of pilot HPCQS use-case applications. Speaker: Venkatesh Kannan, ICHEC Presentation and demonstration of graph colouring hybrid application. Speaker: Krisztian Benyo, Pasqal SAS
12:15 - 12:40	World Café	Structured conversation process about importance, challenges and opportunities for identifying and developing additional hybrid use-cases and application workflows for HPCQS systems. Aimed at knowledge sharing among attendees through discussion of topics based on questions from organisers to guide conversation. Moderator: (TBC)
12:40 - 13:00	Engagement with HPCQS	Indicative timelines and process for access to HPCQS systems. Methodology for stakeholder engagement. Next steps and farewell. Speakers: Kristel Michielsen, Venkatesh Kannan



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