



e-Seminar #15 Performance Optimisation and Productivity (POP) services for HPC application developers

13 April 2021 2pm CEST / 1pm BST (1h duration)

Register for free here: <https://register.gotowebinar.com/register/2887300356024426766>

Parallel applications in all scientific and engineering domains have always been prone to execution inefficiencies that limit their performance and scalability. While the need for the most effective use of scarce resources and their energy requirements becomes more urgent, growing application and computer system complexity make inefficiency identification and appropriate remedies ever more challenging.

The Performance Optimisation and Productivity (POP) Centre of Excellence [<https://www.pop-coe.eu>] was established in 2015 by the EU Horizon2020 programme to support the broad European community of application developers in academic and industry, including the other Centres of Excellence focussed on application sectors. POP services based on impartial application performance assessments of parallel application execution efficiency and scaling using a solid methodology analysing measurements with widely-deployed open-source performance tools are supplemented with proof-of-concept investigations of proposed remedies and associated training.

This e-Seminar introduces the POP Centre of Excellence and reviews its successes, with particular focus on services provided to the CompBioMed CoE and its flagship codes preparing for upcoming exascale computer systems.

This is the 15th of a series of online e-Seminars organised by CompBioMed.
Watch the full series on www.compbioimed.eu/training!



Brian J. N. Wylie has been a scientific researcher in Juelich Supercomputing Centre since 2004, in the group developing the Scalasca toolset for scalable performance analysis of large-scale parallel applications and providing associated support for application developers. He established and continues to contribute to tools training activities of the Virtual Institute -- High Productivity Supercomputing (VI-HPS). His current focus is the assessment of exascale readiness of applications comprising very large numbers of processes and threads within the Performance Optimisation and Productivity (POP) EU Centre of Excellence in HPC.

Moderated by Tim Weaving, UCL

