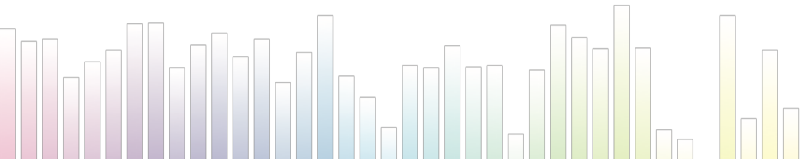# allinea

Transform the potential of your HPC applications

Increase the output of your system

Analyze and tune with Allinea Performance Reports
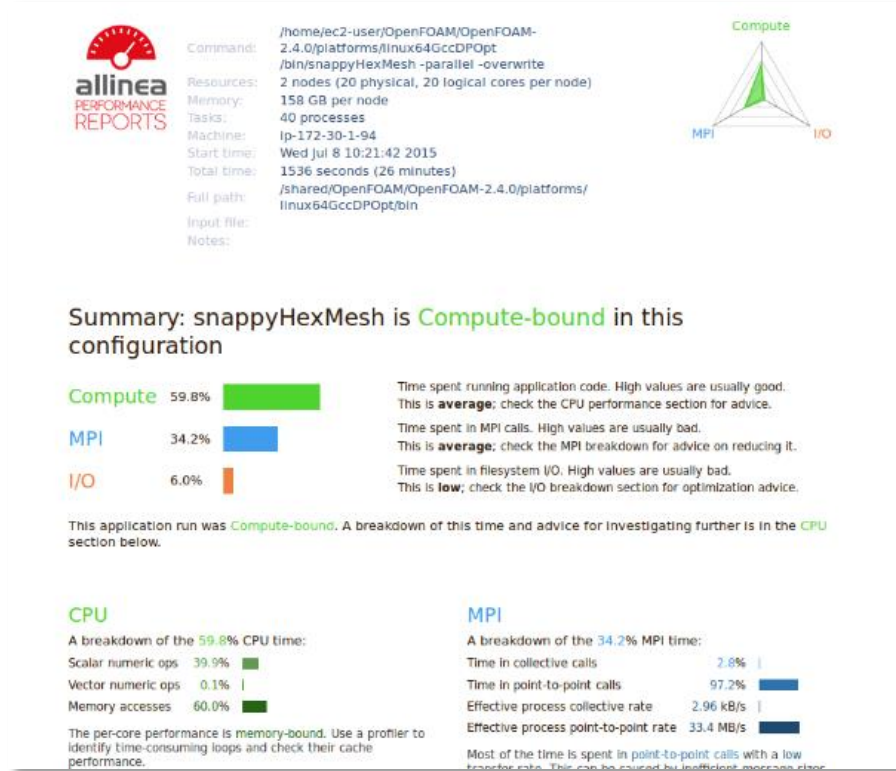
Develop, profile and debug applications with Allinea Forge

With professional support when you need it most

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Allinea Performance Reports

- Increase the output of your systems

- Fast, clear analysis of application performance on HPC systems
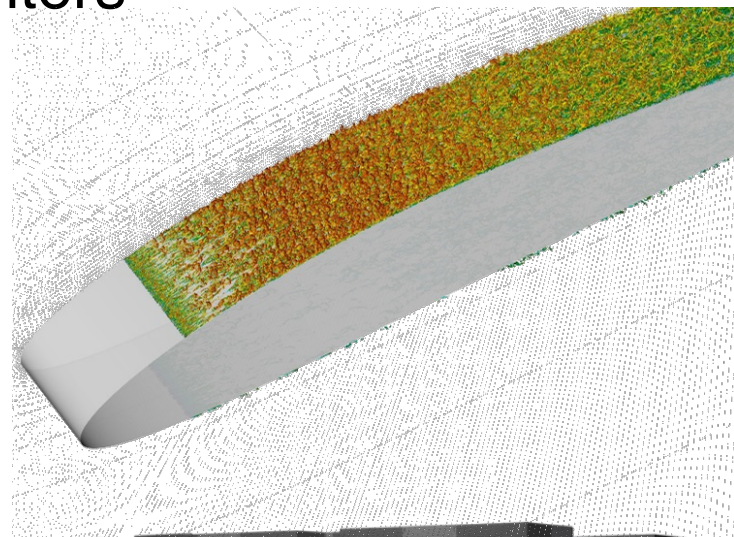
- Tuning guidance to direct improvement
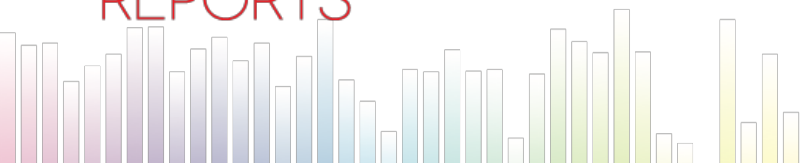
Transforming throughput for HPC centers

"We need to make sure our resources are used efficiently, so that we can support more users."

"Performance Reports is simple, non-intrusive and quickly identifies potentially problematic applications."
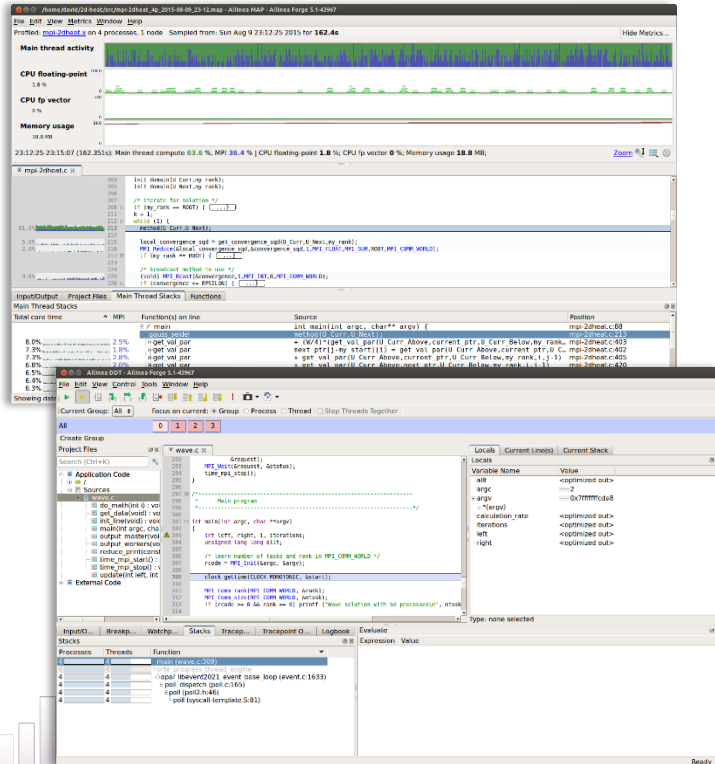
Erwin Laure, PDC KTH

Develop HPC software faster with Allinea Forge

- High-productivity: Profile, debug, edit, build and commit in one tool

- The market leading MAP profiler and DDT debugger
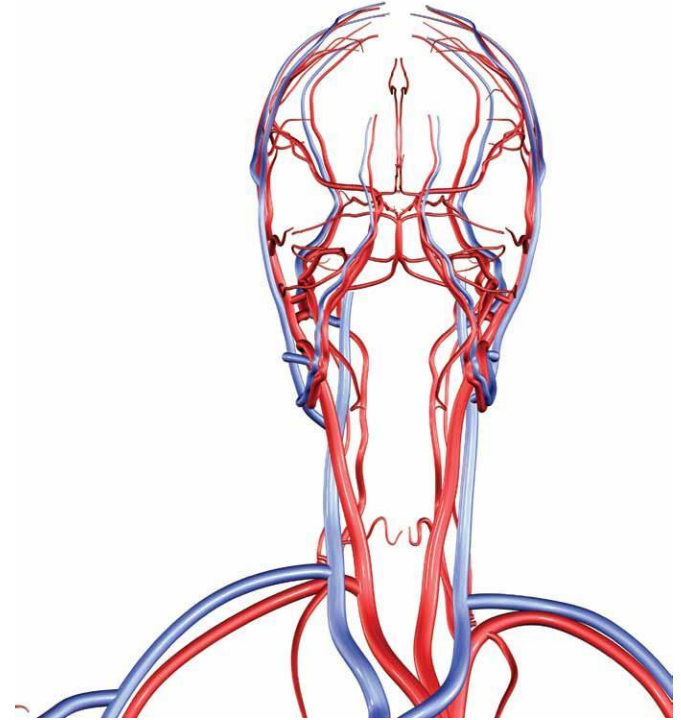
- Seamlessly work on remote and local systems

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Transforming the future of neurosurgery

CFD simulations of cerebral blood-flow can predict risk of aneurysm burst …

… but clinical decisions need fast and high quality results

***Allinea Forge** debugs crash at 50,000 cores*

.. and finds 25% extra performance at scale

Full Petascale achieved - a 16.8x capability increase
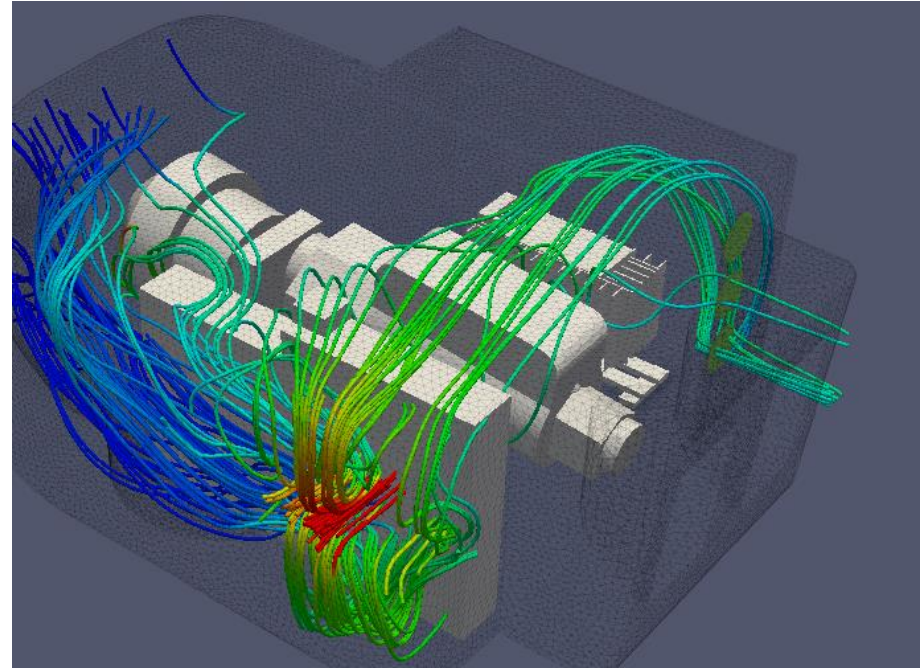
Transforming results for leadership systems

"Resources like Mira give developers like us the power to go further

*… but to handle more complex problems, finer resolutions and achieve new frontiers, you'll need **Allinea DDT** to do it."*

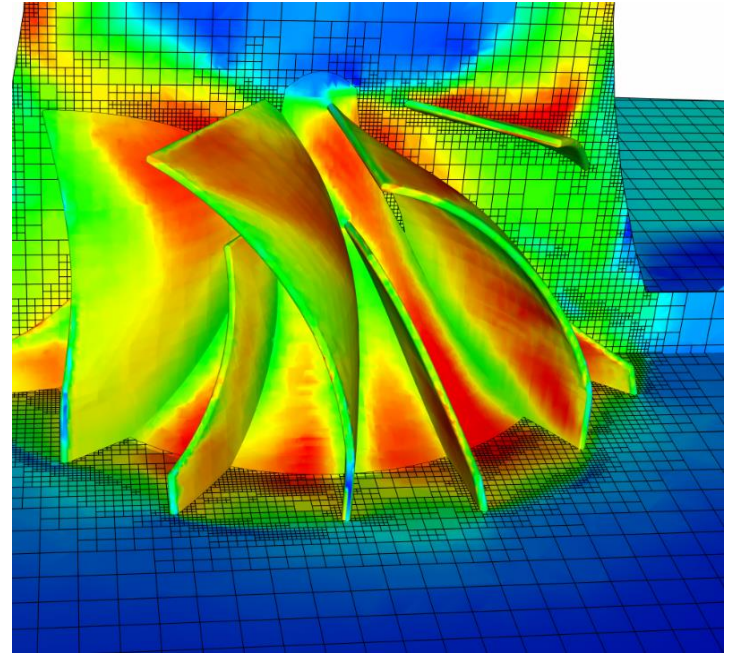*Ricard Borrell, Termofluids developer and Argonne Mira user*

Transforming the competitive edge in the marketplace

*"**Allinea Forge** unveiled performance bottlenecks in our code that have been there for years - that we didn't know were there, and never would have found without it!"*

Josh Strodtbeck, Convergent Science

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FORGE
DDT + MAP

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Transforming the pace of weather experts

*"**Allinea DDT** does what a good debugger is supposed to do, it does it fast and it does it in a very intuitive way"*
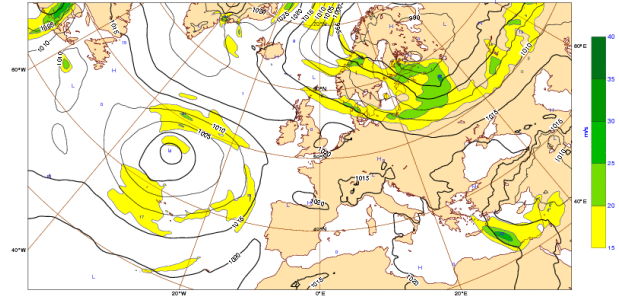
Mike Hawkins, ECMWF

".. It has found a number of problems relatively quickly, which has enabled those bugs to be fixed equally as fast"

Paul Selwood, UK Met Office