

**Thirty Years, One Vision**  
**Scientific Colloquium**  
**High-Performance Computing Center Stuttgart**  
**Friday, October 9, 2026**

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| 9:00 – 9:30   | <b>Welcome and introduction</b><br>Prof. Dr. Michael Resch<br>Director, High-Performance Computing Center Stuttgart                                                                                                                                                                                                                                                 |
| 9:30 – 10:00  | <b>HPC, Data, AI over 30 Years: the Challenges for the Next Future</b><br>Prof. Dr. Wolfgang Nagel<br>Director, Center for Information Services and HPC<br>Technical University Dresden                                                                                                                                                                             |
| 10:00 – 10:30 | <b>A Few Snippets of European HPC since 25 Years</b><br>Dr. Jean-Philippe Nominé<br>Fellow, HPC Strategic Collaborations Manager<br>French Commission for Atomic Energy and Alternative Energies (CEA)                                                                                                                                                              |
| 10:30 – 11:00 | <b>Break</b>                                                                                                                                                                                                                                                                                                                                                        |
| 11:00 – 11:30 | <b>30 Years of Crunching Numbers @HLRS: Turning Electricity into Insight</b><br>Dr.-Ing. Matthias Meinke<br>Head, Numerical Department<br>Chair of Fluid Dynamics and Aerodynamics, RWTH Aachen University                                                                                                                                                          |
| 11:30 – 12:00 | <b>One Discretization, Three Computing Revolutions, and Lessons Learned: Seventeen Years of High-Order DG Methods for Turbulent Compressible Flows – from Petascale CPUs to Exascale GPUs</b><br>Prof. Dr.-Ing. Andrea Beck<br>Managing Director & Head, Numerical Methods in Fluid Dynamics<br>Institute of Aerodynamics and Gas Dynamics, University of Stuttgart |
| 12:00 – 13:30 | <b>Lunch</b>                                                                                                                                                                                                                                                                                                                                                        |
| 13:30 – 14:00 | <b>30 Years of HLRS: Changing Technologies, Lasting Connections</b><br>Prof. Dr. Hiroyuki Takizawa<br>Vice Director<br>Cyberscience Center, Tohoku University                                                                                                                                                                                                       |

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| 14:00 – 14:15 | <b>Three Decades of HPC: Reflections from Afar</b><br>Dr. Satoshi Sekiguchi<br>Special Emeritus Advisor<br>National Institute of Advanced Industrial Science and Technology,<br>Japan |
| 14:15 – 14:45 | <b>Dogs and Owners</b><br>Prof. Dr. Thomas Ludwig<br>Director, German Climate Computing Center                                                                                        |
| 14:45         | <b>First bus to downtown celebration</b>                                                                                                                                              |
| 14:45 – 15:00 | <b>Thanks and farewell</b><br>Prof. Dr. Michael Resch                                                                                                                                 |
| 15:00 – 15:30 | <b>Break</b>                                                                                                                                                                          |
| 15:30 – 16:30 | <b>Computer room and CAVE tours</b>                                                                                                                                                   |