# HiPEAC needs you: help define the future of computing systems



**What will computing systems look like in 10 years' time? Join the HiPEAC community in defining the future.**

HiPEAC has launched a call for contributions to the 2017 edition of the HiPEAC Vision, which will set out the way forward for computing systems over the next ten years. The BSC research community can provide invaluable input to this document, ensuring that it provides guidance to help tackle the most pressing challenges in this area.

During the HiPEAC spring Computing Systems Week in Porto, Marc Duranton of the French Alternative Energies and Atomic Energy Commission (CEA) gathered views from top computer scientists from all over Europe on the HiPEAC Vision. Published every two years, HiPEAC's definitive roadmap provides guidance for policy makers and technologists on key issues in the area of computing systems, such as security, reliability and energy efficiency.

'Is this the end of the world as we know it for computing systems?' asked Duranton. 'For the first time the community is really looking for disruptive solutions: incrementally improving current technologies is not considered adequate to address the challenges the computing community faces.'

The increasingly complex nature of computing systems, and the increasing pervasion of computing in every area of our lives, makes this biennial document increasingly relevant. With cyber-physical systems and the Internet of Things, the physical and virtual worlds are becoming increasingly entangled. Non-specialists are facing the need to design their own information systems, and need tools and models to help them do so. Meanwhile, new paradigms such as cognitive computing, declarative programming and new technologies (quantum, spintronic, photonic) are opening up intriguing new directions and possible responses to the technical challenges ahead.

Already used as a guide for policy makers, the draft of the next HiPEAC Vision, due by the end of 2016, will provides input for forthcoming Horizon2020 calls and has set the challenge of discovering the computing systems and applications which will be important 10 years from now.

Join the HiPEAC community in defining the future of computing system by completing the survey:

www.surveymonkey.com/r/hipeacvision2025

Barcelona Supercomputing Center - Centro Nacional de Supercomputación