EuroHPC Summit Week 2020 including PRACEdays20

Thursday 26 March 2020, 09:45 -10:30, Industrial Keynote Talk

Jorge Almeida, Critical Software

Abstract:
Big Science projects and their advances for the industry

Big science projects are seen many times by the common citizen as a consumption of tax payer money without much return to the society. The news often present them as big leaps in scientific advance but without immediate application in the improvement of life of the ordinary citizen. Industry, however, sees those big science projects in a different way. The scientific advance can be used by the industry to create new solutions and new products that will improve citizens life. With the advent of Big Data and Artificial Intelligence, HPC capabilities that are now being used more regularly in day to day applications, across different markets. The advances in technology coming from Big Science projects are expected with a lot of enthusiasm by the industry.

Bio

Jorge Almeida received the B.Sc. degree in Electrical and Computer Engineering with emphasis in Automation and Robotics from the University of Coimbra in 2004.

Jorge passed by several projects in embedded safety critical systems in the defence, aerospace and transports markets, dealing with High-Integrity Standards, e.g. DO-178B/C, MIL-STD-498, IEC61508, ISO 26262 and EN5012x.

He is currently the Chief Technology Officer for the High Integrity Systems division of Critical Software.