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## Trends in HPC System Architectures: Towards 'The Machine' and Beyond

*Friday, September 2, 2016 9:40 AM (40 minutes)*

The talk will address trends in system architecture for HPC and will include related aspects of Big Data and IoT. A specific focus will be on innovative components like next generation memory interconnects, non-volatile memory and silicon photonics that play a key role in future system designs. HPE's 'The Machine' will be used to bring those components into the context of an actual system implementation. Related options and challenges at the level of system software, middleware and programming paradigms will also be addressed.

**Presenter:** Dr BAETKE, Frank (Hewlett Packard Enterprise)

**Session Classification:** Plenary Talks