

Bruce Blaho

HP Fellow & VP, Personal Systems – Advanced Compute & Solutions

Bruce is an HP Fellow and Chief Technologist for the Advanced Compute & Solutions Business Unit in HP Personal Systems, which includes the Workstation, Retail & Industry Solutions, VR, Data Science, and Edge Compute businesses. His focus is on innovation and the development of new growth opportunities. Blaho works closely with the CTO and Strategy offices, other HP business units, and industry partners to spur research, creating and harvesting new intellectual property and technologies that help define the industry's state-of-the-art.

Bruce joined HP in 1985 to work on the then-emerging field of 3D graphics acceleration. Most of his career has been in the Workstation business, from the early RISC-based days to current PC-based approach which he helped pioneer. Blaho has worked in a variety of technical areas. During his time in 3D graphics he architected and wrote the driver for the world's first 3D GPU accelerator system capable of running in a window system (over a year ahead of perceived industry leader Silicon Graphics). Other areas of focus include client virtualization, blade workstations, remote client computing, high performance system design, Linux workstations, professional displays, desktop video conferencing, and robotics. He created and led the HP DreamColor display program, working closely with DreamWorks Animation and other Hollywood studios, partnering with HP's Display Business Unit to create a professional monitor which received HP's first Technical Academy Award in 2015.

Another key area of innovation for Blaho has been remote computing. He collaborated with HP Labs and others to lead the development of HP Remote Graphics Software (RGS) which enabled high performance remote computing solutions for professionals. During the COVID-19 pandemic there was a crisis in the media & entertainment industry as studio professionals were forced to work from home. HP remote computing solutions based on RGS "saved Hollywood" by allowing studios to produce content from home while their computers were back in the office, and in 2020 earned HP Inc. its first ever Engineering Emmy award.

Most recently Bruce has been working in Data Science and Edge Computing. HP partnered with NVIDIA to bring Data Science Workstations to the market with dramatically better price/performance than cloud or server based solutions, spurring significant new sales. And in Edge Computing, Blaho has been the thought leader and technical lead in creating a new Incubation program which will deliver scalable, multitenant Edge compute platforms to host powerful new AI and computer vision based solutions, such as frictionless checkout systems in retail stores.

Bruce has been active in HP's Technical Career Path (TCP) leadership, serving on multiple review boards from the inception of the program. He also previously chaired the Personal Systems TCP board and served on the HP Corporate TCP Core team and review board for several years.

Blaho is a graduate of The Ohio State University, where he earned a B.S. in Electrical Engineering, graduating Summa Cum Laude, and an M.S. in Electrical Engineering, doing his thesis research in robotics. His robotics thesis work, published in 1987 with his advisor, has received over 570 citations, including 23 (and counting) since 2020.