



Steven Bathiche

Technical Fellow, Devices

Steven Bathiche is a technical executive at Microsoft, where he founded and leads the Applied Sciences Group. His career-long quest is to create novel human-machine interfaces, technologies, and computer products that blend naturally into people's daily lives to enrich the way we work, play, and communicate. He was named a Microsoft Technical Fellow in 2017, one of just twenty individuals conferred that honor.

Steven has been at the forefront of combining new interaction and display technologies. For 3D input, he invented one of the first consumer input devices that used inertial sensors for gesture control, Sidewinder Freestyle Pro. In 2002 he invented the Microsoft Surface Table, one of the first augmented-reality multi-person devices to use multi-touch and object recognition, and coined the term *Surface Computing*. As a follow-on, he was one of the inventors of PixelSense technology—which embeds flat cameras into the display matrix—and Surface Table 2.0, the world's first computer-vision-based large flat-panel computer.

These innovations seeded several technologies and led to the formation of the current family of Microsoft Surface computers, where he also leads the design of the Surface displays and sensing technologies. He now leads product innovation and applied research for all Microsoft Hardware. Bathiche is a frequent speaker at international conferences and his work has been featured in both technical publications and popular media. He holds over 100 patents. His research is published in peer-reviewed journals including ACM SIGCHI, SID, Optics Express, and UIST proceedings.