

Executive Biography

Mike Regan

Materials Director, 3D Materials & Advanced Applications
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Mike Regan is Materials Director of the 3D Materials and Advanced Applications organization. He is responsible for the development and commercialization of additive manufacturing technologies to deliver new materials, processes, and applications.

Development includes the HP Jet Fusion Open Materials Platform, voxel research and applications, and novel techniques for high-temperature plastics, ceramics and metals.

Mike joined HP in 1996, starting as a MEMS process and integration engineer. He developed the resistor materials for HP's highly successful scalable print technology, now deployed broadly across HP's inkjet print portfolio. Shortly thereafter, he went into technical management and helped lead the development of MEMS technologies and products, creating a holistic HP design culture to synchronize functions - ideate, model, build, test, customer feedback.

Over the next several years, Mike led the MEMS Fab engineering department which included the commercialization of PageWide and Piezo products with focus on process stability, ramp/yield, and reliability. Later, he ran the Printhead Products and Futures lab, responsible for rapid development and introduction of technology on behalf of HP's Graphics business (PageWide XL, Web Press, Latex). Mike's other efforts have included vision/strategy for technology and product roadmaps, new business incubation, MEMS adjacencies (displays, accelerometers), printed electronics, and nanotechnology.

Mike holds a PhD in Applied Physics from Stanford. He has completed executive business school programs at MIT and Stanford in Entrepreneurism and Innovation. Prior to HP, he conducted research at Harvard in thin films, self-assembly, and liquids. He holds 23 U.S.-issued patents and has 19 publications in refereed journals.