



2018 Biography –Michael Richey, Ph.D

Michael Richey, PhD
Chief Learning Scientist
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Dr. Michael Richey is the Chief Learning Scientist and a [Boeing Associate Technical Fellow](#) currently assigned to support educational technology and innovation research at The Boeing Company. Michael is responsible for leading a team conducting engineering education research projects that focus on improving the learning experience for students, incumbent engineers and technicians. His research encompasses, Sociotechnical Systems, Learning Curves, and Engineering Education Research. The online educational programs and research focus on practical understanding of human learning and the design of technology-enhanced learning environments and promoting global excellence in engineering and learning technology to develop future generations of entrepreneurially-minded engineers. Michael has served on various advisory groups including, the editorial board of the Journal of Engineering Education, Boeing Higher Education Integration Board, American Society for Engineering Education Project Board and the National Science Foundation I-UCRC Industry University Collaborative Research Center Advisory Board. Michael has authored or co-authored over [40 publications](#) in leading journals including Science Magazine, The Journal of Engineering Education and INCOSE addressing topics in large scale system integration, learning sciences and systems engineering. Michael often represents Boeing internationally and domestically as a speaker - presenter and has authored multiple patents on [Computer-Aided Design and Computer-Aided Manufacturing](#), with multiple disclosures focused on system engineering and elegant design. He is currently the Principle Investigator for the Boeing [Internet of Learning Consortium](#), the Technical focal for the [Boeing ASEE](#) and manages the Boeing [Santa Fee Institute Applied Complexity Network](#) and [edX](#) Corporate Advisory Board relationship.

Additional responsibilities include providing business leadership for engineering technical and professional educational programs. This includes development of engineering programs (Certificates and Masters) in advanced aircraft construction, composites structures, systems engineering, product lifecycle management and digital manufacturing. This is achieved by partnering and investing in educational initiatives and programs between industry and institutions of higher learning. Michael has served on various advisory groups including, the editorial board of the Journal of Engineering Education, Boeing Higher Education Integration Board, American Society for Engineering Education Project Board, the National Science Foundation I-UCRC Industry University Collaborative Research Center Advisory Board and has served on the NAE as a committee member for the, "[Status, Role, and Needs of Engineering Technology Education in the United States.](#)". He is currently the Boeing Principle Investigator for the Boeing [Internet of Learning Consortium](#), the Technical focal for the Boeing ASEE and manages the Boeing [Santa Fee Institute Action Network](#) relationship. Michael holds a B.A and M.Sc. from ESC Lille in Program Project Management and Ph.D. from SKEMA Business School with a focus on Engineering Education Research. In addition he holds a Caltech Certificate in System Engineering, a Stanford Certified Project Management Certificate and a Masters Certificate in Project Management from Steven's Institute of Technology.