Roundtable on The Future of Manufacturing (ILP Members Only)

March 4, 2021 1:00 pm - 3:00 pm
1:00pm
Panel Discussion on The Future of Manufacturing
Brian Anthony
Associate Director, MIT.nano
Faculty Lead, Industry Immersion Program in Mechanical Engineering

Dr. Anthony has over 25 years of commercial, research, and teaching experience in product realization and information enabled manufacturing. He has extensive experience in market driven technology innovation, product realization, and business entrepreneurship and commercialization at the intersection between information technology and advanced manufacturing. His research and product development interests cross the boundaries of manufacturing and design, medical imaging, computer vision, acoustic and ultrasonic imaging, large-scale computation and simulation, optimization, metrology, autonomous systems, and robotics. His teaching interests include the modeling of large-scale systems in a wide variety of decision-making domains and the development of optimization algorithms and software for analyzing and designing such systems. He teaches on-line and on-campus professional programs in Smart Manufacturing and sensory systems Beyond IoT.

Dr. Anthony spent the first part of his career as an entrepreneur. He developed and directed the development of products and solutions for the industrial and scientific video markets. His products fueled corporate growth from startup to dominant market leader. He has been awarded 20 patents, published over 100 peer reviewed articles, and won an Emmy from the Academy of Television Arts and Sciences for innovations in sports broadcast technical innovation.

View full bio
David E. Hardt
Ralph and Eloise Cross Professor, Mechanical Engineering
Professor, Engineering Systems
David E. Hardt
Ralph and Eloise Cross Professor, Mechanical Engineering
Professor, Engineering Systems

Professor Hardt is a graduate of Lafayette College (BSME, 1972) and MIT (SM, PhD, 1978). He has been a member of the Mechanical Engineering faculty at MIT since 1979. His teaching focuses on control, dynamics and manufacturing processes. His disciplinary focus is system dynamics and control, as applied to manufacturing at both the process and system level.

Dr. Hardt has served as Director of the MIT Laboratory for Manufacturing and as Engineering Co-Director for the MIT Leaders for Manufacturing Program. He is currently leader of the Manufacturing Systems and Technology Program, part of distance teaching and research collaboration between MIT and Singapore.

Dr. Hardt also serves as the Graduate Officer for the Department of Mechanical Engineering.

View full bio
Richard Braatz
Gilliland Professor, Chemical Engineering
Faculty Research Officer
Richard Braatz
Gilliland Professor, Chemical Engineering
Faculty Research Officer

Richard D. Braatz joined the MIT Chemical Engineering Department as the Edwin R. Gilliland Professor. Before coming to MIT, Braatz was the Millennium Chair and Professor of Chemical and Biomolecular Engineering at the University of Illinois at Urbana-Champaign. He has been recognized internationally as a leader in process systems and control engineering. Professor Braatz brings to MIT a unique blend of fundamental controls theory, multiscale modeling, and challenging applications.

View full bio