

AICHE MRC 2020

Midwest Regional Conference Mar 11-12

Jeff Garascia has been the Chief Innovation Officer of Marmon Holdings since July 2017. In this position, Jeff advises presidents of Marmon's ten operating sectors to help stimulate product innovation in their businesses, create new ideas and approaches, and identify innovation talent. Additionally, he is responsible for various "think tank" initiatives, the Marmon Innovation Council, and the Marmon Patent Society. Prior to this Jeff was the Senior Vice President, Growth & Innovation for

Marmon Beverage Technologies, leading strategy and innovation teams in areas including engineering, product management, marketing, and consumer research, as well as the research and development center in India. Before joining Beverage Technologies in 2013, Jeff spent seven years with Scotts Miracle-Gro in senior management positions in global strategy, R&D, and business development. He previously was with the Booz, Allen & Hamilton consulting firm for eight years in progressive roles culminating in his appointment as a Principal in the firm. Jeff earned a B.S. in Electrical Engineering from the University of Houston and a M.S. and Ph.D. in Industrial Engineering, both from the University of Cincinnati.



Jeff Garascia

Chief Innovation Officer, Marmon Holdings

Matthew Tirrell

Dean, Pritzker School of Molecular Engineering, University of Chicago

Matthew Tirrell's research has been in the fields of polymer interfaces, dynamics, fluid phase behavior and nanomedicine. He is particularly known for his work on polymer brushes, surface force measurement, peptide amphiphiles and polyelectrolyte complex phase behavior. In 2011, Matthew Tirrell was appointed as the founding Pritzker Director and Dean of the Faculty of the Institute for Molecular Engineering and established the first University of Chicago engineering program, which he continues to oversee (now the Pritzker School of Molecular Engineering). Professor Tirrell simultaneously served as Deputy Laboratory Director for Science (Sep 2015 - Apr 2018) and Chief Research Officer (Jan 2017 - Mar 2018) at Argonne National Laboratory. Immediately prior to joining the University of Chicago, he was the Arnold and Barbara Silverman Professor and Chair of Bioengineering at the University of California, Berkeley, with additional appointments in chemical engineering and materials science & engineering, as well as a Faculty Scientist appointment at the Lawrence Berkeley National Laboratory. Dr. Tirrell completed ten years as Dean of Engineering at the University of California, Santa Barbara on June 30, 2009. From 1977 to 1999, he was on the faculty of Chemical Engineering and Materials Science at the University of Minnesota, where he served as department head from 1994 to 1999. Tirrell received a B.S. in Chemical Engineering at Northwestern University in 1973 and a Ph.D. in 1977 in Polymer Science from the University of Massachusetts. He has co-authored about 400 papers and one book, has supervised about 100 Ph.D. students and 50 postdoctoral researchers. Professor Tirrell is a member of the National Academy of Engineering, the National Academy of Sciences, the American Academy of Arts & Sciences and the Indian National Academy of Engineering, and is a Fellow of the American Institute of Medical and Biological Engineers, the AAAS, and the American Physical Society.

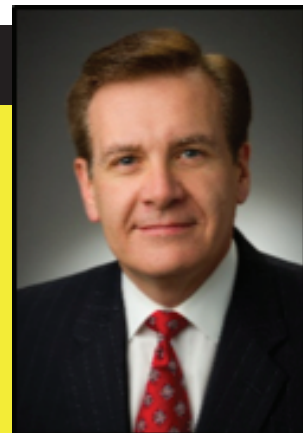


KEYNOTE SPEAKERS

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Michael J. Graff
Chief Executive Office, American Air Liquide



Mike Graff joined Air Liquide in 2007 and currently serves as executive vice president and on the executive committee of Air Liquide Group; chairman, chief executive officer and president of American Air Liquide Holdings, Inc. and chairman of the board of Airgas. Based in Houston, Graff leads business operations for the Americas and Asia-Pacific regions of Air Liquide Group and is the global chairman of the Group's Electronics business line. Graff is a senior executive with 35 years of global experience in the industrial gas, energy, refining, chemicals and polymers industries. He began his career with Amoco and BP, plc and served as president or chief executive officer of several global chemical and polymer businesses. Graff currently serves on the board of directors of Westlake Chemical Corporation as well as a number of industry and civic organizations, including the board and executive committee of the American Chemistry Council and chairman of its Responsible Care committee, the board of trustees of the Illinois Institute of Technology, the Engineering Advisory Council for Purdue University's College of Engineering, as a principal of the Bipartisan Policy Center's American Energy Innovation Council, a member of the National Petroleum Council and the United States Investment Advisory Council, the board of trustees for the George and Barbara Bush Foundation, the board of directors of Junior Achievement of Southeast Texas, the Leadership Council for Houston Methodist Hospital and is a member of the Baker Institute of Rice University. Graff holds a bachelor's degree in chemical engineering from the Illinois Institute of Technology and a master's degree in chemical engineering from Purdue University, and has been awarded recognition by both universities for his professional achievement and as a distinguished alumnus. He pursued his MBA at the University of Chicago and completed advanced studies at the Wharton School of the University of Pennsylvania, the University of Cambridge, and the Stanford University Law School. Along with his wife Rhonda, Graff participates in a diverse number of non-profit and community service organizations. He is a strong advocate for STEM education, literacy and youth athletics.



Keith A. Couch
Senior Director, Honeywell UOP

Keith A. Couch is Senior Director of global Technology Sales and Integrated Project Solutions (IPS) teams within UOP's Petrochemicals & Refining Technologies (PRT) business. Keith's team spans the US, UK, India, China and Malaysia offices. The focus of the organization is to drive improved client value creation and business operations for both discrete and integrated projects. He has over 28 years of international experience that has included Manufacturing, R&D, Field Service, Technical Service, Technical Sales and Business Management. Keith is recognized as a technologist and author with 27 patents and 18 industry publications. He holds a B.S. degree in Chemical Engineering from Louisiana Tech University and a Master of Business Administration from the University of Chicago, Booth School of Business.