The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Chemical Engineering in the 21st Century: Challenges and Opportunities
March 8, 2021
2:00 pm – 5:00 pm ET

Join Link:
https://nasem.zoom.us/j/93271279958?pwd=OCtHbkNaZ3BNRlhnNFlKMURJTjRHQT09

Open Session Agenda

2:00 PM **Welcome and Meeting Overview**
Eric Kaler, Committee Chair

2:05 PM **Reflections from 30 Years of Chemical Education, Research, and Entrepreneurship**
Dr. Joseph DeSimone
Stanford University

3:00 PM **Adjourn Open Session**

Closed Session (3:00pm - 5:00pm ET)

Joseph M. DeSimone, NAE, NAM, NAS, is a professor at Stanford University with appointments in the School of Medicine, School of Engineering, and the Graduate School of Business (by courtesy). Dr. DeSimone is also the Board Chair of Carbon, Inc., a 3D printing company he co-founded in 2013 and of which he served as CEO until 2019. Prior to co-founding Carbon, DeSimone was a professor at the University of North Carolina at Chapel Hill (UNC) and North Carolina State University (NC State) for over 25 years. Today, he maintains affiliations at UNC as the Chancellor's Eminent Professor of Chemistry Emeritus and at NC State as the William R. Kenan, Jr. Distinguished Professor of Chemical Engineering Emeritus. Dr. DeSimone has made scientific breakthroughs in areas including green chemistry, new polymer materials, medical devices, nanotechnology, and 3D printing, also co-founding several companies based on his research in addition to Carbon. In recognition of his achievements, he has received major accolades including the U.S. Presidential Green Chemistry Challenge Award, the Lemelson-MIT Prize, the American Chemical Society Award for Creative Invention, the National Academy of Sciences Award for Convergent Science, the EY Entrepreneur of the Year award, and the U.S. National Medal of Technology and Innovation. His previous service at the National Academies includes serving on the Academies Committee on Convergence in Biomedical Research, the Committee on Advancing Institutional Transformation for Minority Women in Academia, the Committee on Effectiveness of National Biosurveillance Systems: BioWatch and the Public Health System, as well as serving as Co-Chair and Member of the Materials Engineering Section Peer Committee Member, and Member of the Board on Chemical Sciences and Technology. Dr. DeSimone received his B.S. in Chemistry from Ursinus College and earned his PhD at Virginia Polytechnic Institute and State University in 1990.