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Chemical Engineering in the 21st Century: Challenges and Opportunities
Health and Medicine Team Meeting
April 12, 2021
2:00 – 4:00 pm ET

Join Link:
https://nasem.zoom.us/j/98493778685?pwd=REZvdHdQU1VHeXlNMDdyc0NiZXVCUT09

Open Session Agenda

2:00 PM **Overview of the Identifying Innovative Technologies to Advance Pharmaceutical Manufacturing Report**
Dr. Rex Reklaitis
Purdue University

3:00 PM **Adjourn Open Session**

Closed Session (3:00 PM – 4:00 PM)

Speaker Biography

Gintaras (Rex) V. Reklaitis, NAE, is Gedge Distinguished Professor of Chemical Engineering and Professor of Industrial and Physical Pharmacy (by courtesy) at Purdue University. Dr. Reklaitis' research involves the application of computing and systems technology to support the design and operation of processing systems. Areas of emphasis are investigation of Industry 4.0 approaches to support batch and semi-continuous manufacturing operations and methodology for plant- and enterprise-wide planning and optimization. Recent work has been in continuous manufacturing of pharmaceutical solid oral dosage forms and use of drop on demand technology for individualized dosage production. He has served on the Board of Directors of American Institute of Chemical Engineers, the Council for Chemical Research, and the CACHE Corporation and continues to serve on the editorial boards of several journals. He has published 300 papers and book chapters and edited or authored nine books. Dr. Reklaitis became a member of the National Academy of Engineering in 2007. He has served on multiple National Academies committees, including chairing the Planning Committee for Continuous Manufacturing for the Modernization of Pharmaceutical Production. Dr. Reklaitis received his PhD in chemical engineering from Stanford University.