

Amgen Seminar Series in Chemical Engineering
in
Cherry Auditorium, Kirk Hall, 1 PM

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A Roadmap to an Engineering Career in a Flat Economy

By

Dr. James D. Vogel
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James Dean Vogel, P.E., the Founder and Director of **The BioProcess Institute**, has more than 25 years of experience in the biopharmaceutical, food and cosmetic industries. He has worked as a Director, Project Manager, and Engineer (Plant Support, Process Development, Project and Automation), with Amgen, GlaxoSmithKline, ImClone, Sanofi-Pasteur, Lipton and Avon.

He was the lead designer for a \$700 million large scale BioPharmaceutical plant, and directed numerous facility renovations including upgrades to the buildings, process equipment, utilities, and laboratories.

Mr. Vogel is an Adjunct Professor at Stevens Institute of Technology, leader of programs at the University of Rhode Island, a member of the American Society of Mechanical Engineers (ASME) BioProcess Equipment (BPE) Standard Committee, Chairman of the ASME BPE Seals Subcommittee, a member of the International Society of Pharmaceutical Engineers (ISPE) Disposables Community of Practice Steering Committee, and a member of the PDA.

He is a licensed professional engineer in NJ, has a Masters of Engineering in Chemical Engineering from Manhattan College and a Bachelors of Science in BioChemical Engineering from Rutgers University.

Mr. Vogel has had a passion for BioProcess Engineering and Biotechnology from the first time he heard about them in a freshman introduction course to BioChemical Engineering, back in the 1970s. He studied fermentation in college. As an undergraduate, he built Fermentors out of plastic tanks and ran them in a continuous mode for weeks at a time without any contaminations. In his graduate studies, his thesis was on Mass Transfer of Large Scale Bioreactors and Fermentors. He has designed and installed hundreds of Bioreactors and Fermentors in his career, as well as designed and installed numerous other types of BioProcess Equipment.

When Mr. Vogel is not at **The BioProcess Institute**, he stays busy with his family in Rhode Island, and races his bicycle in his spare time.

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