

## **Release of 2<sup>nd</sup> Edition of Popular Textbook, Sustainable Design through Process Integration**

Former CACHE Trustee and professor of chemical engineering at Texas A&M University, Mahmoud El-Halwagi has published the second edition of his popular textbook, Sustainable Design through Process Integration: Fundamentals and Applications to Industrial Pollution Prevention, Resource Conservation, and Profitability Enhancement. Building upon the topics in the first edition, the second edition offers new systematic tools, educational materials, and numerous examples on integrated process design, process benchmarking and synthesis, economics of sustainability, resource conservation, water-energy nexus, and multi-scale system integration. More details on the textbook can be found at:

<https://www.elsevier.com/books/sustainable-design-through-process-integration/el-halwagi/978-0-12-809823-3>

### **About the Author**

Dr. Mahmoud El-Halwagi is a professor in the Department of Chemical Engineering at Texas A&M University. He is internationally recognized for his contributions in the principles and applications of process integration and sustainable design. He has served as a consultant to a wide variety of processing industries. He is the recipient of prestigious research and educational awards including the AIChE Sustainable Engineering Forum Research Excellence Award, the Celanese and the Fluor Distinguished Teaching Awards, and the NSF National Young Investigator Award, and is an AIChE Fellow.