

LUIAS Distinguished Lecture

Guidelines for Technical Writing and Presentations

Speaker

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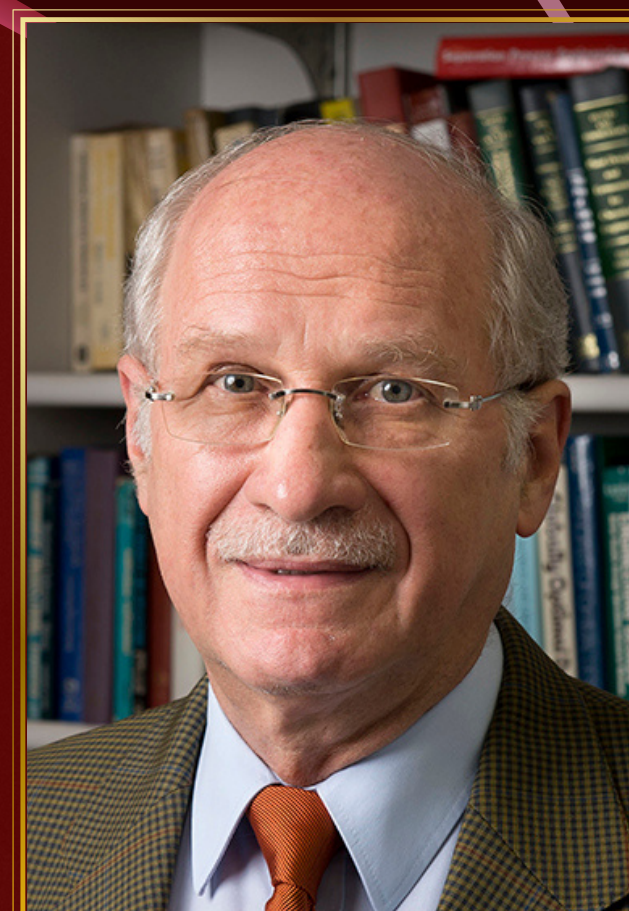
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Date: 28 May 2026 Time: 3:30PM - 4:30PM

Venue: MBG19, Patrick Lee Wan Keung
Academic Building

Mode: Hybrid (Face-to-face or Zoom)



Abstract

In this one-hour lecture, we first provide guidelines and strategies for the effective writing of technical papers. We emphasise the importance of both planning and proofreading, as well as the proper use of AI software like ChatGPT. We present several case studies that include current trends in the production of galley proofs and especially the challenges associated with papers that involve mathematical equations. We also discuss guidelines for the review of articles that are submitted for publication in technical journals. We next provide guidelines for preparing high quality oral presentations, including the design of effective slides. Finally, we discuss the issue of citations of journals and open access, and controversies with various editorial companies.

Biography

Prof Ignacio E. Grossmann is the Rudolph R. and Florence Dean University Professor in the Department of Chemical Engineering, and former department head at Carnegie Mellon University. He obtained his B.S. degree at the Universidad Iberoamericana, Mexico City, in 1974, and his M.S. and Ph.D. at Imperial College in 1975 and 1977, respectively. He is a member and former director of the Center for Advanced Process Decision-making, an industrial consortium that involves 20 petroleum, chemical, engineering, and software companies. He is a member of the National Academy of Engineering, and Fellow of AIChE and INFORMS. He has received the INFORMS Computing Society Prize and the following AIChE awards: Computing in Chemical Engineering, William H. Walker for Excellence in Publications, Warren Lewis for Excellence in Education, Research Excellence in Sustainable Engineering, Founders Award for Outstanding Contributions to the Field of Chemical Engineering. In 2015 he was the first recipient of the Sargent Medal by the IChemE. He has honorary doctorates from Abo Akademi in Finland, University of Maribor in Slovenia, Technical University of Dortmund in Germany, University of Cantabria in Spain, Russian Kazan National Research Technological University, Universidad Nacional del Litoral, Argentina, Universidad de Alicante in Spain, RWTH Aachen, Germany, and Universidad Nacional del Sur, Argentina. He is a 2019 top cited scientist in Computer Science and Electronics: 53 Worldwide, 38 National. He has authored more than 700 papers, the recent textbook Advanced Optimisation for Process Systems Engineering, and the textbook Systematic Methods of Chemical Process Design, which he co-authored with Larry Biegler and Art Westerberg. He has also organised the virtual library on process systems engineering. Grossmann has graduated 68 Ph.D. and 37 M.S. students. His main research interests are in the areas of discrete/continuous optimisation, optimal synthesis and planning of chemical processes and energy systems, supply chain optimisation, and optimisation under uncertainty.

ALL ARE WELCOME

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