



Wolfson Department of Chemical Engineering Seminar

On line seminar via ZOOM / <https://technion.zoom.us/j/94252755767>

Wednesday - September 9th, 2020 - at 13:30

Heterogeneous (Electro) Catalysis: Understanding for Designing

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Heterogeneous catalysis is of vital importance to the world's economy, allowing us to convert raw materials into valuable chemicals and fuels in an economical, efficient, and environmentally benign manner. Continued research into heterogeneous catalysis is required to allow us to address increasingly complex environmental and energy issues facing our industrialized society. To confront these challenges, this vibrant discipline is becoming increasingly design-driven, a shift which is facilitated by increasingly powerful tools and continued development of fundamental knowledge and understanding. The design of a heterogeneous catalyst, a dream not long ago, is becoming a reality. In this talk, I will discuss the recent works (mainly in electrocatalysis) from my laboratory to illustrate how the understanding of catalyzed processes can promote more efficient catalyst design.