



Wolfson Department of Chemical Engineering Special Seminar

Lecture Hall 6, Wolfson Department of Chemical Engineering,

19th May, 2016 at 12:30



Dr. Sergio Daniel Kapusta PhD, PE, MBA

"Energy: Now and Future"

Oscillations in the price of crude oil may lead to the conclusion that “the age of oil is over”. I beg to disagree. Fossil fuels will likely be a major component of the energy diet for the next decades. Why is oil so hard to replace? What comes next? This presentation will try to cover, in a concise way, the status of the oil and gas industry today, its long term future, and the likely scenarios for its replacement: solar, wind, bio, nuclear? In particular, I want to focus on the future of the gas and oil (yes, oil!) production in Israel, and how can academic institutions like Technion participate in this future.

About the speaker:

Sergio has more than 30-year experience in the oil and gas business, as Technology Manager and Chief Scientist of the Royal Dutch Shell Group. He has worked internationally in all sectors of oil and gas, including research, engineering, operations, and strategic planning. During his time at Shell he was also a consultant for many of the largest National and International oil companies, including Petrobras, Petronas, BP, and ConocoPhillips. He is a world-recognized expert on materials, asset integrity, corrosion control, and process safety and reliability of operations. As Chief Scientist, he was responsible for advising the Shell CEO on science and technology challenges affecting the profitability of the Company and the future of the industry. As a member of Shell Science Council and the CTO Advisory Board, he drafted the “Grand Challenges” report that summarizes the technology needs for the oil and gas industry, with a view on the business implications of technology disruptions, renewable energies, and future transportation trends.

After retiring from Shell in 2015, he has joined the faculty of Rice University in Houston, and Skolkovo Business School in Moscow. He serves on the Board of Directors of several start-up energy companies in the US and Canada. Sergio holds PhD and MBA degrees from Rice University. He is the author of over 70 publications and presentations at recognized scientific and industry venues.

Refreshments will be served at 12:15