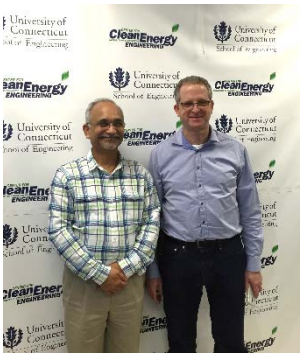
Promoting UConn – Technion Collaboration under Satell Foundation: Professor Yoed Tsur visits C2E2

Under Satell Family Foundation, UConn's Center for Clean Energy Engineering welcomed visiting scholar, Professor Yoed Tsur on Thursday, December 3, 2015 to discuss collaboration opportunities under a broader umbrella of "Energy" research between Technion-Israel Institute of Technology and UConn's Center for Clean Energy Engineering. In June of 2014 UConn received a significant gift from the Satell Family Foundation that supports UConn's research partnership in sustainable energy with Technion-Israel Institute of Technology.



Professor Yoed Tsur earned his PhD in Physics from Technion in 1998 and then spent two years at Penn State University, USA as a postdoctoral scholar in Materials Research Laboratory. Since 2000, he has served as a faculty member in the Chemical Engineering Department at Technion. Professor Tsur serves on the editorial boards of Journal of Ceramic Science and Technology (publication of the German Ceramic Society, DKG), and Solid State Ionics. Since 2012 he has also served as the director of Grand Technion Energy Program (GTEP) interdisciplinary energy graduate study program. He leads the Natural Gas and Petroleum Engineering ME studies program at Technion. He also serves as the representative of the Technion at FCH-JU, the main industrial-academia group of the EU for fuel cells and hydrogen energy.

During his stay at UConn, Professor Tsur interacted with a large number of graduate students working in the field of electrochemistry, fuel cells, and electrolysis and participated in technical discussions with staff and faculty at C2E2. Professor Tsur gave two seminars titled "*Impedance Spectroscopy and Its Analysis Using Evolutionary Programming Procedure*" and "*Defect Chemistry and Charge Compensation due to Non-Stoichiometry in Oxide Perovskites*". Both seminars received large interest from the audience.

Professor Tsur's objective of his visit was also to develop joint publications based on on-going work at C2E2 and Technion in the area of electrochemistry, advanced materials, and fuel cell degradation. He is currently working on using experimental results from C2E2 by analyzing the data using his EIS software to develop various mechanisms during electrode operation.

During Professor Tsur's visit, he met with Dr. Dan Weiner, Vice Provost for Global Affairs and Dr. Jeffrey Seemann, Vice President for Research over breakfast and discussed opportunities to work with Technion in areas of mutual interest, UConn's future growth plans, and the Technology Park.

The Satelle Foundation is also helping faculty members in the School of Engineering to collaborate with Professor Gideon Grader on advanced functional ceramics and nano-fibers. Professor Tsur submitted an abstract for presentation at the European SOFC meeting to be held in Lucerne, Switzerland later this year.