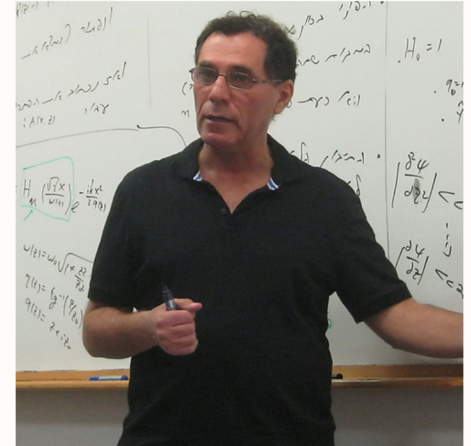


Prof. Mordechai Segev

Neil Armstrong Distinguished Visiting fellow

Robert J. Shillman Distinguished Professor of
Physics at the Technion, Israel.

"Topological Photonics"



When: Tuesday, August 24th, 11:15 am-1:30 pm EST

Where: The Wilmeth Active Learning Center (WALC) 1132

Abstract: Topological photonics is currently one of the most active research areas in optics and also one of the spearheads of research in topological physics at large. We are now more than a decade after it started. Topological photonics has already proved itself as an excellent platform for experimenting with concepts imported from condensed matter physics. But more importantly, topological photonics has also triggered new fundamental ideas of its own and has offered exciting applications that could become real technologies in the near future. The concepts of topological photonics will be presented, along with its most important aspect: topological insulator lasers.

Bio: *Mordechai(Moti) Segev is the Robert J. Shillman Distinguished Professor of Physics, at the Technion, Israel. His research interests are mainly in nonlinear optics, photonics, solitons, sub-wavelength imaging, lasers, quantum simulators and quantum electronics. He has won numerous international awards, including the 2007 Quantum Electronics Prize of the European Physics Society, the 2009 Max Born Award of the Optical Society of America, and the 2014 Arthur Schawlow Prize of the American Physical Society. He was elected to the Israel Academy of Sciences and Humanities in 2011 and the National Academy of Science of the United States in 2015. Moti has also won the Israel Prize in Physics and Chemistry (highest honor in Israel) in 2014 and the EMET Prize (Israel) in 2019.*