



# **SPIE.** **STUDENT** **CHAPTER** PURDUE

## *Ask me anything Lunch*

*Wed. Feb. 19.*

*12:00 – 1:45 PM*

*BRK 1099*

Mordechai "Moti" Segev is the Robert J. Shillman Distinguished Professor of Physics and of Electrical and Computer Engineering, at the Technion, Israel. He received his BSc and PhD from the Technion in 1985 and 1990, respectively. After completing his postdoctoral studies at Caltech, he joined Princeton University as an assistant professor (1994), becoming an associate professor in 1997 and a professor in 1999. Subsequently, Segev went back to Israel, and in 2009 was appointed as distinguished professor – a rank that only four other Technion professors are holding.

Segev's interests are mainly in nonlinear optics, photonics, solitons, sub-wavelength imaging, lasers, quantum simulators and quantum electronics. He has founded several fields of research, among them the field of topological photonics, Anderson localization of light, photorefractive solitons, invented topological insulator lasers, and more. More recently, he has pioneered the new research field of photonic time-crystals.

He has won numerous international awards, among them 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, which are the highest professional awards of the three scientific societies. In 2011, he was elected to the Israel Academy of Sciences and Humanities. In 2015, he was elected to the National Academy of Science (NAS) of the USA, and in 2021, he was elected to the American Academy of Arts and Sciences (AAAS). On the national level, in 2008 he won the Landau Prize, in 2014 he won the Israel Prize (highest honor in Israel) in Physics and Chemistry, in 2019 he has won the EMET Prize and in 2024 he won the Rothschild Prize. In 2023, he won an Honorary PhD from the University of Quebec.