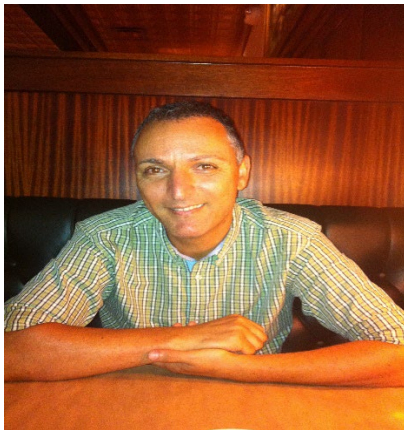


Nonhermitian physics: From space-time symmetries to integrable nonlocal models

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Abstract: In this talk, we shall discuss recent advances in the general area of nonhermitian open systems with emphasize on new physical phenomena such as nonhermitian nonlinear skin effect, topological constant intensity waves, and wave propagation in nonhermitian disordered media without backscattering. Interestingly, if one extends physics to the complex plane then novel nonhermitian nonlocal integrable models emerge exhibiting properties that are otherwise absent.



Short Bio: Dr. Musslimani got his Ph.D. in applied mathematics from Israel Institute of Technology followed by a postdoc at University of Colorado at Boulder. He spent two years as an assistant professor at UCF and since 2005 is at the faculty of FSU where he is currently professor and director of applied and computational mathematics. He holds the Fulbright, Marie-Curie and Lady-Davis fellowships.