

1133-31-21 **Palle Jorgensen*** (palle-jorgensen@uiowa.edu), Dept Mathematics MLH, University of Iowa,
Iowa City, IA. *Spectral theory, transfer operators, and dynamics.*

By “transfer operator” I mean a family of operators which arise in a host of areas of dynamics, ranging from wavelet theory, to measurable dynamics, from fractals to signal analysis, and from Markov operators in discrete as well as continuous settings. The appropriate transfer operators often arise in instances where Hilbert space is not given directly, and in any case, the spectral theory differs from that of more traditional settings, as will be outlined in the talk. (Received May 08, 2017)