Online talk series

It is a pleasure to announce a guest lecture with the title

Poncelet's Theorem, Paraorthogonal Polynomials and the Numerical Range of Compressed GGT matrices

SPEAKER: **Barry Simon**
TIME: Wednesday, 22.07.2020, 04:00 – 5:30 pm.

Abstract: During the last 20 years there has been a considerable literature on a collection of related mathematical topics: higher degree versions of Poncelets Theorem, certain measures associated to some finite Blaschke products and the numerical range of finite dimensional completely non-unitary contractions with defect index 1. I will explain that without realizing it, the authors of these works were discussing OPUC. This will allow us to use OPUC methods to provide illuminating proofs of some of their results and in turn to allow the insights from this literature to tell us something about OPUC. This is joint work with Andrei Martnez-Finkelshtein and Brian Simanek.