1078-47-54   **valentin matache*** (`vmatache@mail.unomaha.edu`), Department of Mathematics, University of Nebraska, Omaha, NE 68182. *Complex dynamics and the spectra of composition operators.*

In this talk we will address the consequences some classical theorems in complex dynamics have on the spectra of composition operators C_φ acting on H^2, the Hilbert Hardy space of the unit disc. As a consequence of those classical theorems, one can find the spectra and essential spectra of select classes of composition operators by using an extra ingredient: the fact that the operator $C_\varphi^* C_\varphi$ is always asymptotically Toeplitz. (Received November 13, 2011)