

1077-47-2318      **Christopher Hammond\*** (cnham@conncoll.edu), 270 Mohegan Avenue, New London, CT  
06320. *Complex Symmetric Composition Operators*. Preliminary report.

An operator  $T$  on a Hilbert space  $\mathcal{H}$  is called *complex symmetric* if there is an involutive, isometric, antilinear operator  $C$  on  $\mathcal{H}$  such that  $T = CT^*C$ . This talk, based on ongoing work with Stephan Ramon Garcia, explores which composition operators on various weighted Hardy spaces can possess the property of complex symmetry. (Received September 22, 2011)