

1125-11-2255 **Cezar Lupu*** (lupucezar@gmail.com), Pittsburgh, PA 15260. *The Riemann zeta function for integer values and evaluation of some multiple zeta values.* Preliminary report.

In this talk, we derive some new series representations involving odd values of the Riemann zeta function and Euler numbers. Using a well-known series representation for the Clausen function, we also provide some new representations of Apery's constant. In particular cases, we recover some well-known series representations of π . Moreover, we use analytic methods to evaluate multiple zeta values and multiple t-values of Zagier type. Our formulas are related to the ones proved by Hoffman and Zagier back in the early days of the MZV. (Part of this is joint work with Derek Orr) (Received September 20, 2016)