1046-51-2014 **Robert D Knight*** (knightr@ohio.edu), 101 University Dr, Chillicothe, OH 45601. *7-Point Bundle Forms in Laguerre Planes.*

Bundle forms, generalizations of the Veblin-Young axiom of affine spaces, are essential to understanding basic structures occurring within Laguerre planes, including near planes and hyperbolic pencils of cycles. In this talk, we consider the 7-point bundle forms and the relationships they have with each other, as well as to the 6-, 5-, and 4-point bundle forms. The ultimate goals of this line of research are to complete the categorization of Laguerre planes with respect to bundle forms and, more generally, to solidify the foundations of the field of Laguerre geometry. Our approach is synthetic, thus avoiding algebraic complications that can arise when structure is removed from a geometry. (Received September 16, 2008)