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Summer Meeting 2008

Abstract Title: Lessons Learned at the Buffalo State Summer Physics Teachers' Academy

Session Level: High School, Graduate

Session Topic: Teacher Training/Enhancement

Session Type: Invited

Session Name: Modeling courses for teachers - Cmte on Tchr Prep ETKINA organizing

Presenting Author: Dan L. MacIsaac

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Abstract Body: Since 2002, Buffalo State Physics has run a Physics Teachers' Summer Academy modeled upon the well-known ASU Summer Physics program, offering more than 2000 credit hours to over 300 individual teachers seeking NYSED secondary physics certification. From these summer academy participants we have (as of March 2008) recruited into two graduate programs--admitting seventy-eight candidates and graduating twenty-one M.S.Ed. (Physics) degree holding master physics teachers. During this time we have learned several lessons about managing a summer physics teachers academy, and teaching modeling physics to pre-service and in-service teachers, which we will share in our presentation.

Abstract Footnotes: MacIsaac, D.L., Henry, D., Zawicki, J.L., Beery, D. & Falconer, K. (2004). A new model alternative certification program for high school physics teachers: New pathways to physics teacher certification at SUNY-Buffalo State College. *Journal of Physics Teacher Education Online*, 2(2), 10-16.