

1125-VC-1942      **Danielle Sienko, Paul Ache** and **Yun Lu\*** (lu@kutztown.edu), Mathematics Department, Kutztown University, Kutztown, PA 19530, and **Francis Vasko** and **Ted Witryk**. *An undergraduate uses O.R. to improve her university's final exam schedules.*

In this talk, we describe how an undergraduate student analysed the final exam schedules at Kutztown University in order to reduce student conflicts defined to be a student having three exams scheduled on the same day. The approach she developed, based on a balanced bin packing algorithm, was tested using actual data from the Fall 2015 semester and resulted in a 42% reduction in student conflicts. This approach, because of its simplicity and intuitive appeal, was widely accepted by the Kutztown University faculty and administrators and is implemented for the Fall 2016 semester at Kutztown University. (Received September 19, 2016)