2013 ACADEMIC ACHIEVEMENT CEREMONY

SCHOOL OF THEORETICAL AND APPLIED SCIENCE

The 2013 TAS Faculty-Student Research Award goes to ANDREW BELMONT

Andrew worked with Professor Amanda Beecher on research entitled: Classification of Finite Dynkin Diagrams which he presented at the Moravian College Student Mathematics Conference in Bethlehem, PA. The work was in a subarea of mathematics called Lie Theory and is found in the intersection of algebra and geometry. One of the major achievements in the field was the classification of all semi-simple Lie Algebras over an algebraically closed field. The proof of that major result was based on relationship between Lie Algebras and Dynkin Diagrams and the Classification of Dynkin Diagrams. Andrew was able to show directly from the definition of Dynkin diagram that there were only five types.

This fall Andrew will start working toward a PhD in Mathematics at the University of Denver where he received a teaching assistantship.