

**IEEE Judges' Innovation Award**

**North Dakota State University in collaboration with James Madison University.**

**SSERVI Regolith Mechanics Award**

**The University of Utah**

**Caterpillar Autonomy Award**

**1<sup>st</sup> place: The University of Alabama**

**2<sup>nd</sup> place: North Dakota State University in collaboration with James Madison University**

**3<sup>rd</sup> place University of North Carolina at Charlotte**

**Efficient Use of Communications Power Award**

**The University of Alabama**

**Systems Engineering Paper Award**

**1<sup>st</sup> place: The University of Alabama**

**2<sup>nd</sup> place: Case Western Reserve University**

**3<sup>rd</sup> place: The University of Akron**

**Honorable Mention: University of Minnesota Twin Cities**

**Leaps and Bounds: University of Colorado at Boulder**

**Outreach Project Report Award**

**1<sup>st</sup> place: The University of Alabama**

**2<sup>nd</sup> place: Iowa State University**

**3<sup>rd</sup> place: The University of Akron**

**Slide Presentation and Demonstration Award**

**1<sup>st</sup> place: North Dakota State University in collaboration with James Madison University**

**2<sup>nd</sup> place: The University of Utah**

**3<sup>rd</sup> place (Tie): The University of Alabama &**

**Case Western Reserve University**

**Golden E-Stop Award: University of Minnesota-Twin Cities.**

**On-Site Mining Award**

**1<sup>st</sup> place: The University of Alabama**

**2<sup>nd</sup> place: North Dakota State University in collaboration with James  
Madison University**

**3<sup>rd</sup> place: Kent State University**

**Joe Kosmo Award for Excellence**

**The University of Alabama.**