



## **KATARINA MOROWSKY**

Oregon State University, Industrial Engineering

### **Degrees:**

B.S. in Mechanical Engineering and Design, Innovation, & Society, Rensselaer Polytechnic Institute

M.S. in Human Factors, Tufts University

### **Advisor's name:**

Kenneth H. Funk II, PhD

### **Scholar Award Donor:**

Schnitzer Steel Industries

### **About the Scholar:**

Katarina is researching human error that results in helicopter accidents. Through an accident report analysis, Katarina hopes to determine the main sources of helicopter accidents and to develop a set of recommendations that will minimize the occurrence and impact of human error within helicopter operations.

Outside of school, Katarina enjoys downhill skiing, camping, and rock climbing.

### **Benefits to Society:**

Identifying the main sources of accidents and developing recommendations that will minimize the occurrence and impact of human error within helicopter operations will assist in meeting the helicopter industry goal of 80% accident rate reduction by 2016.

### **Awards and Honors:**

2015	Amelia Earhart Fellow
2015	Vertical Flight Foundation Stanly Hiller, Jr. Scholarship
2014	Industrial Engineering Outstanding Graduate Teaching Assistant Award
2013-2016	Portland ARCS Foundation Scholarship
2013	U.S. Army Soldier Maneuver Sensors Challenge Coin

### **Publications and Posters:**

Sparko, A. L., Chase, S. G., Morowsky, K., Jo, Y. J., Norman, R. M., Prinzel III, P. L. L. J., ... & McGray, P. B. (2014). *Low Visibility Operations/Surface Movement Guidance and Control System (LVO/SMGCS) Chart Usability: An Examination of Flightcrew Position Awareness in Homogeneous 300 ft/75 m RVR Conditions* (No. DOT-VNTSC-FAA-14-14).

Morowsky, K. (2014, March 6). Helicopter Pilot Task Management: Distractions and Interruptions in the Cockpit. *Oregon State University 2014 Graduate Student Research Expo*. Portland, OR, USA.

O'Connell, B. P., & Morowsky, K. A. (2013, January). The Experience of Simplifying and Packaging Creative Engineering K-12 Education into Innovative Products. In *National Collegiate Inventors and Innovators Alliance. Proceedings of the... Annual Conference* (p. 1). National Collegiate Inventors & Innovators Alliance.