

# Spring 2017 Senior Design Day Winners

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## Electrical Engineering

### A.D.A.P.T.

Luke Bonner, Nathan Freitag, Mackenzie Franklin

*Runner-up: Microcontroller Learning and Development Kit  
Andrew Widmar*

## Industrial and Systems Engineering

### Redesigning the Johnson Pumps Assembly Line

Anugrah Lambogo, Benjamin Rosenthal, Abdurrahman Hariri Jamal

*Runner-up (tie): Minimizing Defects in Canvas Products Produced on Range 1  
Mary Margeson, Paul Metcalf, Christina Stich  
Increasing Throughput in the PTC  
Shekinah Bergmann, Grant Nonnemacher, Natalie Sheehan*

## Mechanical Engineering

### NIU Rover Team: Picus Martius

Matthew Woodall, Dan Petschow, Tim Olson, Thomas Jareczek, Gunnar Baechler

*Runner-up: MEKK Lift  
Mike Carroll, Ean Bush, Kourtnay Borman, Kamila Krupiarz*

## Technology (tie)

### EZ-Lift

Nicholas Ploessl, Calvin Stewart, Nicholas DeStefano

### Human Centric Building Control System

John Calderon, Brandon Paul, Ryan Rogers

## Engineering and Technology Alumni Society Award of Excellence

### NIU Rover Team: Picus Martius

Matthew Woodall, Dan Petschow, Tim Olson, Thomas Jareczek, Gunnar Baechler