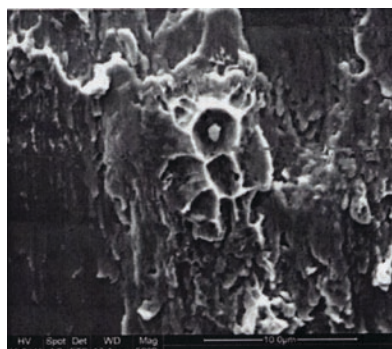


# Division IV, College – 2010 Awards

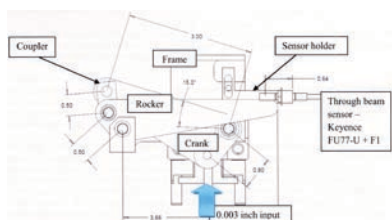
## Chairman's Award – \$1,000



### Ultrasonic Tooling Advancement

Author: Adam Truog  
Kyle Fitch  
Dan Saltzmann  
Adam Hope  
School: The Ohio State University  
City, State: Columbus, OH  
Faculty: Dr. Suresh Babu, Welding Engineering Dept.

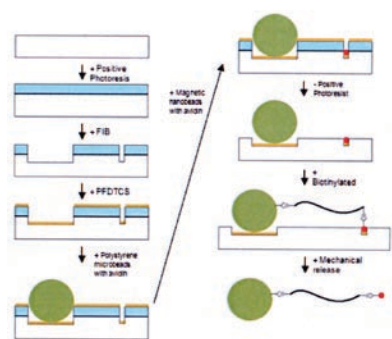
## Gold Award – \$1,000



### Empty Open Nest Detector Redesign

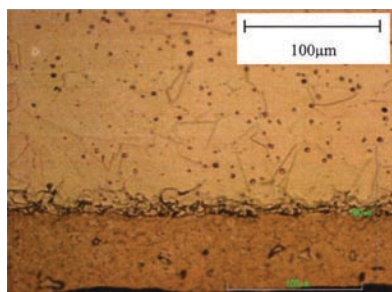
Author: Carol Okumura  
Davis Nguyen  
Yuk-Kwan Yuen  
School: Worcester Polytechnic Institute  
City, State: Worcester, MA  
Faculty: Professor Robert L. Norton, Mechanical Engineering Dept.

## Silver Award – \$750



### Biologically-Inspired Robotic Microswimmers

Author: Tushar Sethi  
Lonnie Snyder  
Dheeraj Roy  
Stephen Tran  
U Kei Cheang  
Nithya Thambi  
School: Drexel University  
City, State: Philadelphia, PA  
Faculty: Dr. Minjun Kim, Mechanical Engineering & Mechanics Dept.



### Remelt Temperature of Gold-Nickel Brazes

Author: Jacob Lawler  
Taylor Versino  
Paul Nicolai  
David C. Tung  
School: The Ohio State University  
City, State: Columbus, OH  
Faculty: Dr. Suresh Babu, Welding Engineering Dept.

# Division IV, College – 2010 Awards

## Bronze Award – \$500

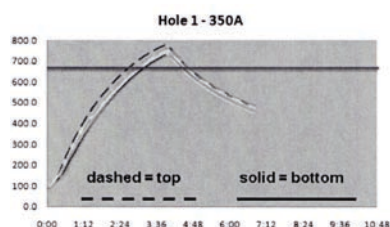


### Process Optimization for Glassy Encapsulation of Flavorants

Author: Carolyn M Hrabe  
Luis S. Linshiu  
William Poetker  
Maomao Yang

School: University of Illinois, Urbana-Champaign  
City, State: Urbana, IL

Faculty: Professor James V. Carnahan, Industrial & Enterprise Systems Engineering Dept.

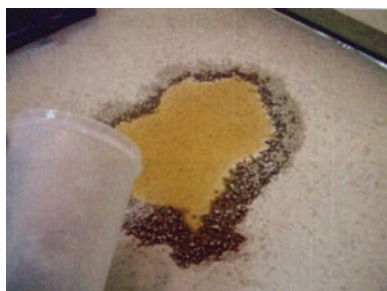


### Induction Brazing of Copper Tubing to Complex Copper-Nickel Block Joint Configuration

Author: Brett Bercau  
David Bajek  
Ryan Moravec

School: The Ohio State University  
City, State: Columbus, OH

Faculty: Professor Boian Alexandrov, Welding Engineering Dept.



### Spill Eater Absorption Testing and Comparative Analysis

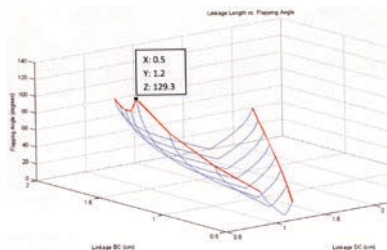
Author: Allison Dale  
Jamie A. Merlotti  
Jillian R. Rollinger

School: University of Illinois, Urbana-Champaign  
City, State: Urbana, IL

Faculty: Professor Louis Wozniak, Industrial & Enterprise Systems Engineering Dept.

# Division IV, College – 2010 Awards

## Merit Award – \$250



### **Developing a Foldable Wing Flapping Mechanism for Micro Air Vehicles**

Author: Gauri Khanolkar  
Ali Sajwani  
Drew Flast  
Ross Shacklett

School: Drexel University  
City, State: Philadelphia, PA

Faculty: Dr. Minjun Kim, Mechanical Engineering & Mechanics Dept.



### **Narrow Groove GTAW Argon Flood Cup Study**

Author: Joseph Harper  
Michael Isam  
George Willard

School: The Ohio State University  
City, State: Columbus, OH

Faculty: Professor David Farson, Welding Engineering Dept.



### **Glass Chemical Tempering Process Control**

Author: Kevin M. Dressel  
Scott A. Sabin  
Alex A. Pilloff  
Travis R. Jaynes

School: University of Illinois, Urbana-Champaign  
City, State: Urbana, IL

Faculty: Professor James V. Carnahan, Industrial & Enterprise Systems Engineering Dept.