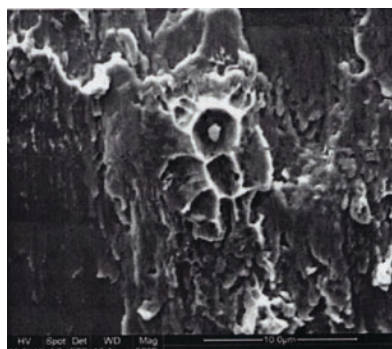


Division IV, College – 2010 Awards

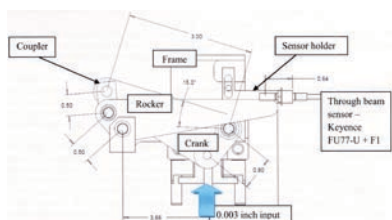
Chairman's Award – \$1,000



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.

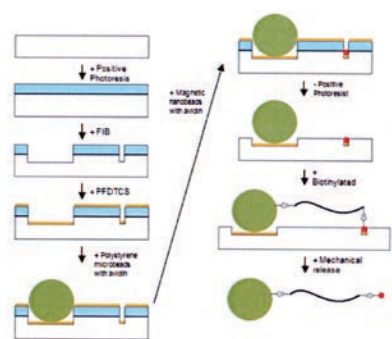
Gold Award – \$1,000



Empty Open Nest Detector Redesign

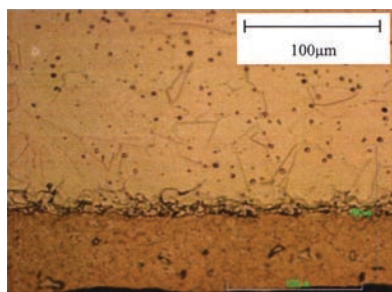
Author: Carol Okumura
Davis Nguyen
Yuk-Kwan Yuen
School: Worcester Polytechnic Institute
City, State: Worcester, MA
Faculty: Professor Robert L. Norton, Mechanical Engineering Dept.

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.

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Bronze Award – \$500

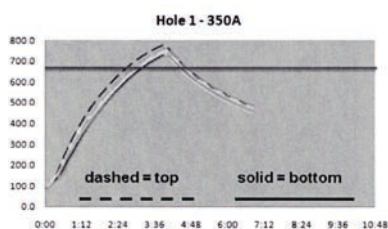


Process Optimization for Glassy Encapsulation of Flavorants

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.

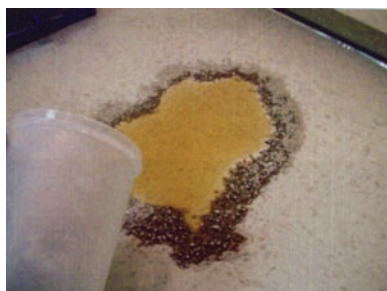


Induction Brazing of Copper Tubing to Complex Copper-Nickel Block Joint Configuration

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

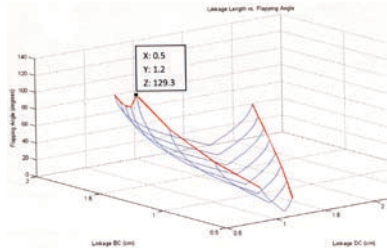
Author: Allison Dale
Jamie A. Merlotti
Jillian R. Rollinger

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.