NSF REU #0755355

Texas A&M University Corpus Christi

Micro/Nano Assembly Workcell Via Micro Visual Sensing and Haptic Feedback

What: Summer research program for undergraduate students. Generous stipend to cover all expenses

Where: Texas A&M University Corpus Christi and Texas State University San Marcos, Texas

Application:
http://sci.tamucc.edu/~duganum
Deadline April 15, 08.

Contact: Dr. Dugan Um for more detail,
Email: dugan.um@tamucc.edu

REU Program

The objective of this REU Site is to provide hands-on training in micro-manufacturing research to a total of 20 student participants over a two-year period starting June, 2008.

Six research projects

1. Research in micro/nano electro-mechanical system material and structure
2. Research in micro manufacturing technology.
3. Research in micro gripper system
4. Research in infrared 3D sensor technology
5. Research in feedback control systems for rapid assembly
6. Research in micro-robotic arm kinematics/dynamics and motion control

Benefits

Generous stipend of $6,740 and one time $1,500 for dorm and meals for 10 weeks in summer

Other benefits

1. Involvement in cutting-edge research activities in micro robotics technology
2. Opportunity for international conference presentation in robotics and automation
3. “Research Certificates” for qualified attendants
4. “Full Scholarship” during two years of graduate years at Texas A&M University–CC and Texas State University.
5. Three written recommendation letters (Department chair, PI, Co-PI)

Application

(by April, 15)

Visit the following web site:
http://sci.tamucc.edu/~duganum

Download the application form, fill them out (typed) and submit them along with your latest transcript and 2 letters of recommendation to:

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