Georgia Tech Sponsored Research

Project B-01-673

Project director Kurfess Thomas

Research unit MARC

Title Japan USA Symposium on Flexible Automation: Hiroshima, Japan, July 15-17

Project date 5/31/2003
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Project Title: "FLEXIBLE ATRONOMY: HIRAXHIA, NASA, JULY 15-17".

Termination Date: 21-MAY-2003

Contract No.: GRC

Principal Investigator: M. THOMAS R. W. SPANISH

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Geothermal Institute of Technology - Office of Sponsored Programs

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From: fastlane@fastlane.nsf.gov
Sent: Tuesday, June 03, 2003 6:07 PM
To: fmail@nsf.gov; awardsnsf
Subject: Project Report Submitted - Award # 0203940 PI: Thomas R Kurfess

Award Number : 0203940
Report Type : Final Project Report ; Standard Grant
Report Number : 2534160
Report Period : 03/15/2002 to 02/28/2003
PI Name : Thomas R Kurfess
PI E-mail : tom.kurfess@me.gatech.edu
Note:
PI has been notified by E-mail at address tom.kurfess@me.gatech.edu.
Final Report for Period: 03/2002 - 02/2003
Principal Investigator: Kurfess, Thomas R.
Organization: GA Tech Res Corp - GIT
Title: Japan-USA Symposium on Flexible Automation; Hiroshima, Japan, July 15-17, 2002

Submitted on: 06/03/2003
Award ID: 0203940

Project Participants

Senior Personnel
Name: Kurfess, Thomas
Worked for more than 160 Hours: Yes
Contribution to Project:

Post-doc
Graduate Student
Undergraduate Student
Technician, Programmer
Other Participant

Research Experience for Undergraduates

Organizational Partners

Other Collaborators or Contacts

Activities and Findings

Research and Education Activities:
The proposal supplemented travel to Hiroshima, Japan to attend the 2002 Japan-USA Symposium on Flexible Automation. The major research activities presented in this area are in the areas of controls, automation and manufacturing.

Findings:
There were a number of major findings in the areas of controls, automation and manufacturing, including means to improve the accuracies and precisions of a variety of manufacturing processes, improved health issues related to manufacturing, as well as micro and nano systems technology.

Training and Development:
Because of the availability of these funds, a number of graduate students were provided with the opportunity of traveling to Japan for this conference. Not only were they able to participate in the technical side of the conference, but they were also able to be immersed in Japanese culture and exchange ideas and concepts with their counterparts in Japan. It was culturally and technically enriching for all who participated.
Given the global nature of engineering and manufacturing, this is critical from a professional development perspective.

Outreach Activities:
As many corporations and researchers work on a global or international level, a scientific and cultural exchange between engineers and scientists from various nations has become more critical than ever. In many cases, this program permitted the initial seeds of future
collaboration between the US and the Japanese participants to be planted. It is anticipated that not only did a number of students receive technical information that will be used as they graduate and enter careers in academe and industry, but they received a cultural experience that will be of significant aid as they prepare to enter a profession that is heavily globalized.

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