

**Final Report to the APS and the Ohio Section of the APS for the  
Fall 2003 Meeting** of the Ohio Section of the American Physical Society  
October 17-18, 2003  
Case Western Reserve University

***I. Theme and Participation***

The general theme of the plenary talks was "Physicists Get Down to Business." The meeting was co-sponsored by the AAPT Ohio Section, with the co-theme of "No Physics Teacher Left Behind." Parallel sessions of contributed papers, however, were unrestricted in subject matter. Plenary talks on the physics and business of industry and entrepreneurship were presented on Friday afternoon and Saturday morning, after a welcoming speech by President Edward Hundert. The Friday afternoon poster session and the Saturday morning parallel sessions (which consisted of ten-minute contributed papers) were open to all APS and AAPT attendants, with special encouragement extended to graduate and undergraduate student participants. The meeting also had the canonical AAPT Saturday education workshops and "How I Do It" session, sandwiched around a "physics of comic books" lecture.

The response of the regional physics community was most gratifying, both in the numbers participating and in the feedback received about the program. The attendance numbers were particularly impressive, inasmuch as this conference was not connected with a topical research workshop. It is noted that special attention was paid with respect to maintaining the traditional formats and offerings of both the APS and the AAPT sections. In addition, there was good interest on the part of the attendees in learning about industrial physics and new educational programs connecting business and physics

***II. Attendance***

Meeting Attendance Total Registered	221
(in addition, there was a good number of unregistered students who attended the various lectures)	
a) APS Registration	
Non-Students/Non-Retired	83
Students/Retired/Unempl	83
b) AAPT Registration	55
Banquet Total	135
a) Non-Students	91
b) Students	44
Box Lunch Total	110

***III. Presentations, Posters, and Papers***

- A. Roundtable: The Physics of Entrepreneurs  
    Moderator: Robert Hisrich (Weatherhead)  
    Participants: Chris Fennig (Nanostar), Hiro Fujita (USA Instruments), Adele Luta (CCF Innovations), Marc Umemo (Neomed Technologies)
- B. An MBA in an Hour: The Business of Entrepreneurs  
    Moderator: Cyrus Taylor (CWRU)  
    Lecturers: David Deeds and William Schulze (Weatherhead)
- C. Poster Session: 32 posters
- D. The Art of Changing the Brain: James Zull (CWRU)

continued overleaf

- E. Contributed Papers Sessions: 49 papers

D. Physics in the Oil and Gas Exploration Business

Larry Schwartz (Schlumberger)

E. In a Single Bound: The Fantastic Physics of Comic Book Superheroes

James Kakalios (Minnesota)

### **III. Local Organizing Committee**

Robert Brown (Co-Chair), Gordon DeMeester, Hiroyuki Fujita, Carl Garesche, Mark Haacke, Kenneth Hass, Jingzhi Liu, Stephen Majoros, Gerald Mearini, Joellen O'Neill, Bahram Roughani, Shmaryu Shvartsman, Cyrus Taylor (Co-Chair)

### **IV. Budget**

#### A) Income

Registration/Banquet/BoxLunch	7780
Abstract Publication 45@ \$40/abstract	1800
OS/APS	3000
Sponsors	
CWRU College of Arts and Sciences, Dean's Office	1000
CWRU Department of Physics, Chairman's Office	1000
CWRU Provost Office	1000
Forum of Industrial and Applied Physics (FIAP), APS	648
National Collegiate Inventors and Innovators Alliance	1000
Philips	1000
USA Instruments	1000
Weatherhead School of Management	1650
OS/APS Reimburse Exec-Bd/New-Member Lunches*	765
TOTAL	\$21,643

#### B) Expenses

Banquet/Reception/Music	6157
Room Rental/Maintenance (PBLewis)	1650
Breakfast/Refreshments	1645
Box Lunch	1160
Parking/Shuttles	1103
Audio/Visual	188
Flyer/Mailing	1867
Folders/Pens/Pads	448
Poster Panels/Labor	1005
Speakers Travel/Honoraria	3510
Workshops	345
Abstract fees sent to APS*	1800
Executive and New Faculty Lunches	765
TOTAL	\$21,643

Submitted by

Robert Brown, Co-chair

CWRU

\* Check for the amount of  $\$1800 - \$765 = \$1035$  sent to APS (c/o Mike Stephens).

Note that APS charged \$1870 for the 45 abstracts due to additional page costs. Since any cost over the \$40/abstract is borne by OS/APS, the \$70 has been charged to OS/APS by the APS.