

Executive Committee Meeting Minutes
92nd Semi-annual Symposium, 133rd Meeting of NYSS/APS
April 15, 2005
Rochester Institute of Technology
RIT Inn, 5257 West Henrietta Road, Rochester

Time: 9:00 AM

Members present: Chair, Enrique Galvez (05); Vice Chair, James Owens (05); Secretary-Treasurer, Larry Josbeno (05). Executive Committee: Lawrence Brehm (07); Michael J. DeMarco (05), Jill Linz (07); Sunil Labroo (05), Jay Newman (07), Stacie Nunes (05), David Trauernicht (07).

Guests: Robert Pompei, (Vice Chair-elect), Roman Kezerashvili (Executive Committee-elect), Mike Kotlarchyk, (Spring Symposium Co-chair, 2005, and Executive Committee-elect), Michael Rogers (Executive Committee-elect) and George Thurston (Spring Symposium Co-chair, 2005).

Members absent: Steve Duclos (05), Jim Hannon (05), William Kilgore (05), Joel Kubby (07), Zohreh Parsa (05) and Section Councillor, Gianfranco Vidali (07).

1. Approval of minutes from the New York City College of Technology, October 15, 2004

Motion to approve: Jill Linz, seconded by Lawrence Brehm, Unanimous

2. Report of the Local Committee

- o Report of local organizers
- o Student support – The following policy, that was approved Spring 2003 will be followed;
 - Student support will be a maximum \$150 per student, with discretion on the part of the student support coordinator on the amount. Banquet will be \$6 for pre-registered students (with certification by a faculty member at the institution).
 - Jim Hannon reported that 13 students have requested support.
- o Posters – three posters entered at this point; the judging committee is Larry Brehm, Jill Linz and Bob Pompei.
POLICY: (PASSED October 15, 2004) the judging committee may award prizes for posters, up to \$600 total but no more than \$100 per poster, the categories to be at the discretion of the judges.

THE FOLLOWING AWARDS WERE ANNOUNCED AT THE BANQUET:

\$ 50.00 poster prizes

Elvis Zambrano

"Effect of Added C4-Alcohols on the Structure of Microemulsion Droplets Measured by Small-Angle Neutron Scattering"

Mufadal Ayubali

"Phosphoric Acid Induced Assembly of Styrene-Ethylene Oxide Block Copolymer Micelles"

\$75.00 poster prize

Kenneth Desmond

"Connected Networks, Jammed states, and Force Fluctuations"

3. Treasurer's Report

Treasurer's Report – April 15, 2005

Assets with APS as of 2/28/2005 were \$58,718.23, down from \$62,438.66 on October 15, 2004, and a decrease of \$9,586.88 from a year ago.

Expenses since that accounting:

Printing Services \$180.00

Printing Services \$548.78

Mail service \$782.18

Mail service \$942.45

Total \$2,451.41

Approximate balance \$

NYSS - Membership

1999 – 1,962

2000 – 1,886

2001 – 1,906

2002 – 1,856

2003 – 1,842

2004 - 1,871

2005 - 1,874

Motion to accept Treasurer's Report – Jim Owens, Second – David Trauernicht – Unanimous.

4. APS NYSS election results, April 2005

Officers:

Jim Owens, Chair (585) 385-1616 jcowens@post.harvard.edu

Bob Pompei, Vice-Chair (607) 777-4262 rpompi@binghamton.edu

Larry Josbeno, Secretary-Treasurer (607) 962-9259 josbenlj@corning-cc.edu

Kiko Galvez, Section Council Observer (315) 228-7205 egalvez@mail.colgate.edu
(Chair, VC, SCO have 2-year terms, VC then becomes Chair, Sec-Treas has 4-year term)

Executive Committee (4-year terms)

Mike DeMarco (716) 878-5004 demarcmj@buffalostate.edu
Scott Heinekamp (315) 364-3361 scotth@wells.edu
Michael Kotlarchyk (585) 475-6115 mnksps@rit.edu
Stacie Nunes (845) 257-2695 nunes@matrix.newpaltz.edu
Mike Rogers (607) 274-3963 mrogers@ithaca.edu
Cindy Schwarz (845) 437-7349 schwarz@vassar.edu

Executive Committee (2-year terms)

Azar Alizadeh (518) 387-6639 alizadeh@crd.ge.com
Roman Kezerashvili (718) 260-5277 rkezerashvili@citytech.cuny.edu

Members continuing for two more years of 4-year terms:

Section Councillor

Gianfranco Vidali (315) 443-9115 gvidali@mailbox.syr.edu

Executive Committee

Larry Brehm (315) 267-2279 brehmlp@mail.potsdam.edu
Jill Linz (518) 580-5128 jlinz@skidmore.edu
Jay Newman (518) 388-6506 newmanj@union.edu
Dave Trauernicht (585) 477-6448 david.trauernicht@kodak.com

5. Future Symposia

The following future sites and topics were approved:

i) Fall 2005 Symposium – October 14-15, 2005
ALBERT EINSTEIN AND HIS LEGACY
Colgate University; Chair Kilo Galvez

ii) Spring 2006 Symposium – April 7/8 – Finger Lakes
Title: "Physics and Technology of Microsystems"
Sponsor: Infotonics Technology Center, Canandaigua, NY
Location: Finger Lakes Community College, Canandaigua, NY

This symposium will feature talks covering selected topics in the technological area of microsystems. The Physics involved in various micro-devices will be explored, as well as the design and fabrication processes used to produce them.

Contact:

David Trauernicht
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Rochester, NY 14650-2121
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iii) Fall 2006 Symposium – Potsdam – Larry Brehm

Topic: Acoustics: Musical and Physical

Oct. 20-21, 2006

Site visit by Jim Owens made on Aug. 15.

iv) Spring 2007 Symposium – Vassar – Cindy Schwartz

Joint Meeting with AAPT/NYSS

6. Newsletter report - Zohreh Parsa, Editor

The American Physical Society New York State Section Newsletter, Volume 2, No. 1, Dec. 2004, was printed in Maryland on Dec. 28, 2004, then was sent by APS to a mail house for distribution to about 4000 NYSS-APS members residing in New York State, outside the State, and outside the US.

The cost of the printing was less than \$3000. The bill was faxed to Kiko, but there was some question about the total cost of printing and mailing. According to e-mail messages from APS to Zohreh, the total cost of printing and all mailing was around \$3000.

Zohreh was informed that APS would pay for the Newsletter mailing cost only for 2004, and only for domestic mailing; NYSS was to pay for foreign mailing.

There were many delays on the part of the mail house and the APS. At one point it appeared that the Newsletter had been lost and that APS would have to reprint it. It was finally mailed late in March. If anyone did not receive a copy, send an e-mail to parsa@bnl.gov and she will send one.

The Newsletter was very well received, and Zohreh thanks to Executive Committee for its interest and support.

7. Outreach Grants

Four Outreach Grants were awarded at the APS Spring Symposium held at RIT on April 15 and 16.

For the first two awards AAPT and NYSSAPS will each contribute \$1,000.00 for a total award of \$2,000.00. The following grants were awarded:

1. Two thousand dollars to Dr. Renee Diehl, Physics department, Penn State University, for a project entitled, "Inquiry-based Sound and Light Course for Pre-Service Teachers." (An additional \$200 for personal expenses will be provided by NYSSAPS.) The project is collaboration between faculty from the Physics Department and the School of Education and a doctoral candidate. The course will employ inquiry-based methods, emphasizing connections between basic principles and phenomena and applications that are familiar to the students.

2. Two thousand dollars to Dr. Michael W. Noel, Department of Physics, Bryn Mawr College for a project entitled, "Ball of Physics. (An additional \$200 for personal expenses will be provided by NYSSAPS.) The Ball of Physics is an outreach program run by the Physics Department at Bryn Mawr College. Currently undergraduate students present physics demonstration shows at local elementary schools as well as at open house events held on the Bryn Mawr College campus. This award will allow them to expand their current program to include hands-on activities. Twenty new interactive demonstrations will be developed and then integrated into the outreach program.

For the second two awards the NYSSAPS will contribute the entire award amount. The awards are as follows:

3. Two thousand dollars to Dr. David Kraft, University of Bridgeport, for a project entitled "EinsteinFest." The symposium in honor the International year of Physics (2005) will be held on May 10, at Rockefeller University. "The focus of the celebration will be on the legacy of Einstein's work, its impact on timely scientific issues and it basis for speculation on future developments." This event co-sponsored by NYSS/APS will include five speakers.

4. Two thousand dollars to Dr. Andrea Markowski at the University of Buffalo for a project entitled, "Physics Awareness and Exploration". The award will provide support for the design of exhibits to be included in a self-guided tour of physics phenomena that will be housed in the physics building after being exhibited briefly in the Buffalo Museum of Science. Seven self-explanatory exhibits will be designed and constructed by a group of high school from Buffalo city schools.

A fifth proposal was reviewed, but not funded in this cycle.

5. The sum of \$1,189.90, was requested by Ms. Connie Duff from Fredonia Central School for a project entitled, "Student Response Systems for the SR=SR Project." While the project appeared to have merit, documentation describing the implementation of the project with the requested equipment was not sufficiently clear. They will be invited to reapply in the fall, with appropriate documentation.

The sub-committee was Larry Josbeno, Jill Linz, Michael J. DeMarco and Stacie Nunes. The Committee agreed that since the NYSSAAPT had committed to two proposals only their expected contribution would be \$2,000 dollars. The remaining \$6,800 will be provided by NYSSAPS.

8. Plaque for Rich Galik

In recognition of Rich Galik's service to this organization and the total Physics Community, a plaque will be purchased by Enrique Galvez and presented by Kiko and Larry Josbeno.

9. Report from Fall 2004 Symposium - Roman Kezerashvili

On October 15 and 16, the New York State Section of the American Physical Society held a Symposium on "Physics of the Microworld: From Quarks to Nanostructures." The conference was hosted by the New York City College of Technology of the City University of New York in downtown Brooklyn, also known as City Tech.

The chairperson of the Organizing committee was Dr. Roman Kezerashvili. The Organizing Committee included physics faculty from City Tech: Reginald Blake, Daria Bouadana, Vladimir Boyko, Lufeng Leng, Gregory Matloff and Steven Arnold from Polytechnic University, and Gabriel Cwilich from Yeshiva University.

The conference drew 193 registered participants, from 58 different institutions in industry, universities, research facilities and even West Point. There were also exhibits by Pasco, the scientific apparatus company, the publishers Prentice Hall, McGraw Hill, and the education company TeachSpin. The US Army Medical Department set up a table to recruit nuclear physicists for their programs and had quite a number of interested men and women asking for more information.

The conference featured 13 speakers on topics ranging from elementary particle physics to quantum dots and cosmology. Just looking at the program is impressive enough. There were speakers from Harvard, Columbia, University of Pennsylvania, Syracuse, George Washington University, Stony Brook and Argonne National Laboratory, of course CUNY, and several other institutions.

Invited Speakers for Plenary Sessions were:

Igor Aleiner – Columbia University
Stephen Arnold – Polytechnic University
Barry Berman – George Washington University
Josef Birman – City College, CUNY
Georgi Dvali – New York University
Miklos Gyulassy – Columbia University
Paul Langacker – Pennsylvania University
Charles Marcus – Harvard University
Steven Pieper – Argonne National Laboratory
Carl Shakin – Brooklyn College, CUNY
Adward Shuryak – SUNY, Stony Brook
David Schmeltzer – City College, CUNY
Vladimir Zelevinsky – Michigan State University

The topics ranged from elementary particle physics to quantum dots to cosmology. The level of each talk was impressive. Each speaker was an expert in his area.

On Friday night there was a banquet after which a public lecture was presented by Alan Guth, the Victor F. Weisskopf Professor of Physics at MIT. The title was “Cosmic Inflation and Dark Energy.” Guth is the “father of inflation” – a modification of the conventional big bang theory, proposing that the expansion of the universe was propelled by a repulsive gravitational force generated by an exotic form of matter. He is also the recipient of the 2004 Cosmology Prize of the Peter Gruber Foundation. Actually, the best part of the conference occurred when students recognized Dr. Guth from his appearances on the television show Nova and wanted to meet him and have their picture taken with him.

The poster session was especially a big hit. There were 31 scientists who presented their work in a poster format – one of the largest groups ever at an APS meeting. The undergraduate and graduate students who presented posters received special recognition and monetary awards from APS.

In addition to City Tech and The American Physical Society, the Othmer Institute for Interdisciplinary Study of Polytechnic University and Yeshiva University provided funding for the conference. Prentice Hall provided lunch for all the participants. Pasco donated equipment to be used by the special program for high school students at City Tech. McGraw Hill and Prentice Hall publishing donated several PER titles for free distribution to attendees.

Total expenses for Symposium are \$8,149.05. We had from registration + banquet \$3,422. APS paid \$3,659.04. The rest paid by Sponsors and City Tech.

The conference was quite well received, with considerable attendance and positive comment from New York State physicists and physics teachers and some newspapers in New York City as well as at the Internet.

Detail information, PowerPoint presentations and Public lecture slides, posters of the Symposium, programs and photographs archive from the Symposium are available online at <http://www.nysaps2004.citytech.cuny.edu>

Respectively submitted by Roman Kezerashvili – Chair of the Fall 2004 Symposium

10. New Assignments :

1. Newsletter – Kiko Galvez
2. Student support – Bob Pompei
3. Webpage – Larry Josbeno

11. Other items:

a. David Kraft’s Einsteinfest in NYC.

This symposium in honor of the International year of Physics (2005) will be held on May 10 at Rockefeller University. The focus of the celebration will be on the legacy of Einstein’s work, its

impact on timely scientific issues, and speculation on future developments. This event is co-sponsored by NYSS/APS and will include five speakers. (See Outreach Grants).

12. The meeting adjourned at 12:20 PM. Motion to adjourn by Lawrence Brehm. Seconded by Sunil Labroo. Unanimous.

Respectfully submitted,

Larry Josbeno, Secretary/Treasurer