

## SUNDAY EVENING

**Excellence in Graduate Polymer Research**  
Sponsored by POLY, Cosponsored by PROF,  
SOCED, YCC, and PRES

## MONDAY MORNING

Section A

Salt Palace Convention Center  
255 A

**Advances in Nanotechnology** Cosponsored  
by NANO

J. Kaup, *Organizer*

- 9:30 Introductory Remarks.  
9:35 4. Gold and silver on the nanoscale:  
Science and art. **C. J. Murphy**  
10:00 5. Nanophotonics: From biology to  
technology. **M. H. Bartl**  
10:25 6. Single-walled carbon nanotubes: A  
new class of near-infrared fluorophores.  
**R. B. Weisman**  
10:50 Discussion.

**Excellence in Graduate Polymer Research**  
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SOCED, YCC, and PRES

## MONDAY AFTERNOON

Section A

Marriott Downtown  
Salon D

**Eminent Scientist Lecture featuring Luis  
Echevoyen**

J. Kaup, *Organizer*

- 3:30 Introductory Remarks.  
3:35 7. Buckyballs: From basic research to  
nanotechnology. **L. A. Echevoyen**  
4:15 Discussion.

**Excellence in Graduate Polymer Research**  
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SOCED, YCC, and PRES

**Undergraduate Research Poster Session:  
Analytical Chemistry** Sponsored by CHED,  
Cosponsored by ANYL and SOCED

**Undergraduate Research Poster Session:  
Biochemistry** Sponsored by CHED,  
Cosponsored by BIOL, BIOT, and SOCED

**Undergraduate Research Poster Session:  
Chemical Education** Sponsored by CHED,  
Cosponsored by SOCED

**Undergraduate Research Poster Session:  
Environmental Chemistry** Sponsored by  
CHED, Cosponsored by ENVR and SOCED

**Undergraduate Research Poster Session:  
Inorganic Chemistry** Sponsored by CHED,  
Cosponsored by SOCED

**Undergraduate Research Poster Session:  
Medicinal Chemistry** Sponsored by CHED,  
Cosponsored by MEDI and SOCED

**Undergraduate Research Poster Session:  
Nanotechnology** Sponsored by CHED,  
Cosponsored by SOCED and NANO

**Undergraduate Research Poster Session:  
Organic Chemistry** Sponsored by CHED,  
Cosponsored by SOCED

**Undergraduate Research Poster Session:  
Physical Chemistry** Sponsored by CHED,  
Cosponsored by PHYS and SOCED

**Undergraduate Research Poster Session:  
Polymer Chemistry** Sponsored by CHED,  
Cosponsored by PMSE, POLY, and SOCED

## WCC

Women Chemists  
CommitteeJ. M. Iriarte-Gross, *Program Chair*

## SOCIAL EVENTS:

**Breakfast:** Mon  
**Luncheon:** Tue  
**Reception:** Sat

## SUNDAY MORNING

**Francis P. Garvan–John M. Olin Medal:  
Symposium in Honor of Kathlyn A. Parker**  
Sponsored by ORGN, Cosponsored by WCC

**Teaching Chemistry to a Diverse Student  
Body** Sponsored by CMA, Cosponsored by  
CHED, WCC, and YCC

## MONDAY MORNING

Section A

Hilton  
Canyon C

**Alternative Energy Sources: Women at the  
Forefront of Science** Cosponsored by PROF

J. Kocsis and J. Cohen, *Organizers*

- 9:30 Introductory Remarks.  
9:35 1. Investigation of phosphate based  
materials for implantable battery applica-  
tions. **E. S. Takeuchi**, A. C. Marschlok,  
K. J. Takeuchi  
10:05 2. Evolution of crankcase lubricant  
technologies in response to global environ-  
mental challenges. **E. Bardasz**  
10:35 3. Sunshine to petrol. **E. B. Stechel**  
11:05 4. Component development for lithium  
ion batteries with high energy and power.  
**D. A. Strand**  
11:35 5. Tennessee Biofuels Initiative: From  
grow to go! **K. Tiller**  
12:05 6. A novel biocatalyst for cellulosic  
ethanol production. **S. Leschine**

## MONDAY AFTERNOON

**ACS Award in Organometallic Chemistry:  
Symposium in Honor of Odile Eisenstein**  
Sponsored by INOR, Cosponsored by WCC

## MONDAY EVENING

Section A

Salt Palace Convention Center  
Hall 5

**Utilizing the X Factor: Empowering the  
Next Generation of Women Chemists**  
Cosponsored by PROF and CHED

C. DeSheles, *Organizer*

- 8:00–10:00  
7. ACS WCC attracting, developing and  
promoting women chemists. **A. S. Hinkle**,  
D. A. Brooks, R. S. Majerle, J. G. Palmer,  
J. L. Bryant, A. A. Garrison, J. Cohen  
8. Analysis of the doctoral training of faculty  
members at research universities.  
**V. Kuck**, M. Miller  
9. Chemistry of GRITS: A new southern  
tradition. **J. M. Iriarte-Gross**, C. DeSheles  
10. Chemistry outreach programs at the  
University of Texas at Tyler: Impacting the  
women of east Texas. **C. M. Ragain**  
11. Early lessons from an engineering dual  
degree program in chemistry and chemical  
or environmental engineering. **K. A. Mies**,  
C. C. Manning  
12. Eli Lilly/WCC travel award program: A  
look at success. **D. A. Brooks**,  
A. S. Hinkle  
13. Encouraging WISE women in chemistry  
and in other STEM fields. **C. DeSheles**,  
J. M. Iriarte-Gross  
14. Enhancing the graduate and postdoctoral  
experiences to foster a diverse workforce.  
**S. Watt**

15. Progress on PROGRESS: Advances in  
ACS support for women chemists.  
**D. McCarthy**

16. Reaching higher. **L. M. Simons**  
17. Women chemists association at the uni-  
versity of Utah. **E. B. Moore**, S. Chavez,  
J. Lanza, D. L. Neff, S. Podhajsky,  
K. H. Jensen, T. E. Cooper, V. Molinero,  
J. Shumaker-Perry

## TUESDAY MORNING

**George A. Olah Award in Hydrocarbon or  
Petroleum Chemistry: Symposium in  
Honor of Cynthia M. Friend**  
**Catalysis and Reaction Mechanisms**  
Sponsored by CATL (probationary),  
Cosponsored by COLL, FUEL, I&EC, PETR,  
WCC, and PHYS

**National Fresenius Award: Symposium in  
Honor of Teri W. Odom** Sponsored by  
COLL, Cosponsored by WCC and NANO

**Professionalism in the Twenty-first  
Century: Poster Session and Town Hall  
Forum** Sponsored by PROF, Cosponsored  
by WCC

## TUESDAY AFTERNOON

Section A

Marriott Downtown  
Salon A

**ACS Award for Encouraging Women into  
Careers in the Chemical Sciences:  
Symposium in Honor of Mary F. Singleton**  
Cosponsored by HIST<sup>2</sup>, PROF, and CEPA

J. L. Bryant, A. S. Hinkle, D. A. McCarthy,  
and M. L. Wu, *Organizers*

- 2:00 Introductory Remarks.  
2:05 18. Progress for women in careers in  
the chemical sciences over the last 60  
years. **D. C. Hoffman**  
2:30 19. Cultivating diversity in science and  
engineering. **N. L. Briant**  
2:55 20. Determination of the 3-D structure  
of penicillin. **B. W. Low**  
3:20 21. How to start and grow a successful  
local WCC. **M. L. Wu**, E. Yamaguchi  
3:45 22. Women's colleges and women  
chemists. **D. A. McCarthy**  
4:10 23. **Award Address** (ACS Award for  
Encouraging Women into Careers in the  
Chemical Sciences, sponsored by The  
Camille and Henry Dreyfus Foundation,  
Inc). Lessons learned from a career in the  
chemical sciences. **M. F. Singleton**  
4:45 Concluding Remarks.

**ACS Award for Encouraging  
Disadvantaged Students into Careers in  
the Chemical Sciences: Symposium in  
Honor of Shirley McBay** Sponsored by  
ENVR, Cosponsored by CMA, CPS, and  
WCC

**George A. Olah Award in Hydrocarbon or  
Petroleum Chemistry: Symposium in  
Honor of Cynthia M. Friend**  
**Surface Chemistry of Oxides** Sponsored by  
CATL (probationary), Cosponsored by COLL,  
FUEL, I&EC, PETR, WCC, and PHYS

## WEDNESDAY MORNING

**George A. Olah Award in Hydrocarbon or  
Petroleum Chemistry: Symposium in  
Honor of Cynthia M. Friend**  
**Bimetallics and Electrocatalysis** Sponsored  
by CATL (probationary), Cosponsored by  
COLL, FUEL, I&EC, PETR, WCC, and PHYS

The official technical program  
for the 237th National Meeting  
is available online at  
[oasys2.confex.com/acs/237nm/  
techprogram/](http://oasys2.confex.com/acs/237nm/techprogram/).

## WEDNESDAY AFTERNOON

**George A. Olah Award in Hydrocarbon or  
Petroleum Chemistry: Symposium in  
Honor of Cynthia M. Friend**  
**Surface Characterization and Chemistry**  
Sponsored by CATL (probationary),  
Cosponsored by COLL, FUEL, I&EC, PETR,  
WCC, and PHYS

## YCC

Younger Chemists  
CommitteeK. Moss, *Program Chair*

## OTHER SYMPOSIA OF INTEREST:

**Excellence in Graduate Polymer  
Research** (see POLY, Mon)

## SUNDAY MORNING

**Teaching Chemistry to a Diverse Student  
Body** Sponsored by CMA, Cosponsored by  
CHED, WCC, and YCC

## SUNDAY AFTERNOON

Section A

Sheraton  
Executive Room B

**Nontraditional Careers in Chemistry**  
Cosponsored by Chemical Information  
Careers Committee, CINF, CHAL, SOCED,  
CEPA, SCHB<sup>2</sup>, and POLY

L. J. Ramillano and D. Levy, *Organizers*

- 1:00 Introductory Remarks.  
1:05 1. Are you prepared to run screaming  
from the lab? **K. P. McCue**  
1:25 2. Applying environmental chemistry in  
the field of environmental toxicology.  
**G. P. Cobb**  
1:45 3. Careers in patent law. **J. J. Hasford**  
2:05 4. Science, politics, and policy: Some  
nontraditional career alternatives.  
**D. J. Raber**  
2:25 Intermission.  
2:40 5. The academic research laboratory: A  
perfect place to prepare for a career in . . .  
scholarly publishing? **D. P. Martinsen**  
3:00 6. Publishing, communications and  
journalism. **M. Rouhi**  
3:20 7. Research and development within  
pharmaceutical and chemical industries.  
**P. Kotsonis**  
3:40 8. Small business as a career option.  
**S. V. Vercellotti**  
4:00 Concluding Remarks.

## SUNDAY EVENING

**Excellence in Graduate Polymer Research**  
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SOCED, YCC, and PRES

## MONDAY MORNING

Section A

Sheraton  
Granary Room

**Green Chemistry** Cosponsored by CHAS,  
I&EC, CEI, INOR, and ORGN

P. M. Smith and R. Konduri, *Organizers*

- 9:00 Introductory Remarks.  
9:05 9. What is really important in green  
chemistry's future? **T. J. Collins**

9:30 10. Working in academia with industry. **M. Deetlefs**

9:55 11. From green chemistry to a "green" Industrial Revolution: Are ionic liquids pointing the way? **R. D. Rogers**

10:20 12. New stabilized alkali metals for safer, sustainable synthesis. **M. Lefenfeld**

10:45 Intermission.

11:00 13. 2008 Presidential Green Chemistry Award recipient for designing greener chemicals: The discovery and development of Spinetoram. **C. V. DeAmicis**, J. E. Dripps, T. C. Sparks, G. D. Crouse

11:25 14. Green chemistry in the organic chemistry teaching lab: Benefits, challenges and lessons learned. **J. E. Hutchison**

11:50 15. The green chemistry challenge: Applying concept to practice. **F. Wood-Black**

12:15 Concluding Remarks.

**Excellence in Graduate Polymer Research**

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**MONDAY AFTERNOON**

Section A

Sheraton  
Granary Room

**Overcoming Issues in Graduate School**  
Cosponsored by PROF and CEPA

S. Begay and D. Dickson, *Organizers*

1:00 Introductory Remarks.

1:05 16. Transitioning from an undergraduate to a graduate student. **J. H. White**

1:30 17. Choosing an advisor and a thesis and beyond. **Y. Cai**

1:55 18. Thoughts on mentoring: Factors to consider in making the mentor-mentee relationship work. **M. Caserio**

2:20 Intermission.

2:35 19. Transitioning from graduate school to an industrial position. **J. I. Shulman**

3:00 20. Transitioning from graduate school: The post-doc and beyond. **C. K. Larive**

3:25 Panel Discussion.

3:45 Concluding Remarks.

**Excellence in Graduate Polymer Research**

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**TUESDAY MORNING**

Section A

Sheraton  
Seasons Ballroom Three Seasons

**Starting a Successful Research Program at a Predominantly Undergraduate Institution**  
Cosponsored by Council on Undergraduate Research

M. Druelinger, K. Parson, K. Moss, and M. Schuh, *Organizers*

8:30 Introductory Remarks.

8:35 21. What is undergraduate research and why do research at a predominantly undergraduate institution? **T. Wenzel**

8:45 22. What types of research should a new faculty member pursue?

**K. K. Karukstis**

8:55 23. Selection of and working with undergraduates. **K. K. Karukstis**

9:05 24. Coordinating and operating the undergraduate research experience.

**A. M. Schoffstall**

9:20 25. Life in academia: Myths, realities and resources. **L. Winfield**

9:35 26. Art and necessity of gaining internal support from institutional administrators.

**M. Druelinger**

9:50 Panel Discussion.

Section A

Sheraton  
Seasons Ballroom Three Seasons

**Starting a Successful Research Program at a Predominantly Undergraduate Institution**  
**Grantsmanship** Cosponsored by Council on Undergraduate Research

M. Druelinger, K. Parson, K. Moss, and M. Schuh, *Organizers*

10:35 27. Funding opportunities at Research Corporation for Science Advancement.

**K. Parson**

10:55 28. Funding opportunities at the NSF for faculty at predominantly undergraduate institutions. **B. Holmes**

11:15 29. Writing more competitive grant proposals. **T. Wenzel**

11:35 Discussion.

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