



# SoFlacs



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South Florida Section ACS

April 2018



## Section Meeting

Friday, April 20, 4:00 – 5:00 PM

Chemistry and Physics Building - Room CP 151  
Florida International University, MM Campus  
11200 SW 8<sup>th</sup> Street, Miami

### *Challenges With and For Chemistry – Being Prepared*

**Dr. Peter Dorhout**

ACS President and

Vice President for Research, Kansas State University

Dr. Dorhout's talk will focus on what ACS and its members can do to be prepared for a changing career environment for chemical professionals. How shall educators help students be prepared for a career in chemistry? How shall members stay "workforce ready" when the workplace is changing? How do we help the public better understand and appreciate the value of science and its impact on global challenges like clean water, food, and public health?

Dorhout earned a bachelor's degree in chemistry from the University of Illinois at Urbana, Champaign and a doctorate in inorganic chemistry from the University of Wisconsin, Madison. He was a postdoctoral fellow at the Ames Laboratory at Iowa State University and a research collaborator with Los Alamos National Laboratory. His research specialties include thin film materials, environmental chemistry, and actinide and radiochemistry. For his contributions to the field of chemistry and for his work as an administrator and researcher, Dorhout was named a fellow of the American Chemical Society in 2013 and is the recipient of several other prestigious national awards, including Research Corporation Cottrell Scholar, Camille Dreyfus Teacher-Scholar, National Science Foundation CAREER Award, ACS Exxon-Mobil Young Faculty Award for Materials Chemistry and an A.P. Sloan Fellow. He has written more than 110 peer-reviewed articles, edited books and book chapters. His research has been funded by the National Science Foundation, the U.S. Department of Energy and the U.S. State Department. He is a member of several professional organizations, including a life member of the Society for the Advancement of Chicanos and Native Americans in Science and serves or has served on the board of directors for the American Chemical Society, the Research Corporation for Science Advancement, and the Boy Scouts of America-Coronado Area Council. He is an Eagle Scout and Rotarian. Dorhout became the interim vice president for research in December 2015 and was named the vice president for research effective April 1, 2016 at Kansas State University. He was dean of the university's College of Arts & Sciences in 2012-2015, having previously served as vice provost for graduate affairs and assistant vice president for research at Colorado State University and as interim provost for Colorado State University, Pueblo.

## CONGRATULATIONS

The following persons have achieved the remarkable milestone of 50, 60 or 70 years of ACS membership and will be honored at the awards banquet:

### 70-Year Members

Dr. Murray Oratz.....Delray Beach  
Mr. Kurt L. Schoen.....Warminster, PA  
Dr. Sumner P. Wolsky.....Boca Raton

### 50-Year Members

Dr. James J. Ahearn Jr.....Naples  
Dr. Jesse D. Bernstein.....Aventura  
Dr. Barry R. Breslau.....Palm Beach Gardens  
Dr. Martin Cohen.....Palm Beach Gardens  
Dr. Carlos G. Fernandez.....Coral Gables  
Mr. Thomas N. Hendrickson.....Naples  
Dr. Eric Lodewijk.....Ft. Lauderdale  
Mr. Ronald S. Miller.....Ft. Myers  
Dr. Austin B. Raabe.....Naples  
Dr. John N. St.Denis.....Naples

### 60-Year Members

Mr. Robert P. Bretherick.....West Palm Beach  
Mr. Marvin Calderon.....Greenacres  
Mr. Frank L. Fasano.....Summerland Key  
Mr. Raymond F. Friesecke.....Coral Springs  
Dr. Jerry N. Koral.....Somerset, NJ  
Dr. Samuel C. Levy.....Port St. Lucie  
Dr. Stanley H. Nusim.....Aventura  
Mr. Robert E. Parsont.....Boca Raton  
Mr. Larry Plonsker.....Lake Worth  
Mr. Fredrik Randvere.....Lauderhill  
Dr. Robert A. Schunn.....Punta Gorda  
Mr. Philip Smith.....Boca Raton  
Dr. Herbert W. Staub.....Boynton Beach  
Mr. Victor R. Struber.....Palm Beach Gardens  
Dr. Jamie Whelpley.....Miami Beach

## SOUTH FLORIDA HIGH SCHOOL CHEMISTRY OLYMPIAD FINALISTS

In early March, 390 chemistry students from 27 high schools participated in the National Chemistry Olympiad qualifier exam administered at Nova Southeastern University (Dr. Vic Shanbhag), FIU-Biscayne Bay (Dr. Milagros Delgado) and at other satellite locations including University School (Dr. Carlos Montero), American Heritage-Plantation (Dawn Gregor), Miami Country Day School (Dr. Jesse Bernstein), St. Thomas Aquinas (Dr. Erin Williams), St. Brendan High (Elyssa Falkner), St. Andrews (Paula Martin), Miami Palmetto High (Dr. Yuria Sharp), John Ferguson (Natalia Guevara), American Heritage-Delray (Ewa Wojcik) and Fort Myers High (John Woodward). Eleven finalists were selected to participate in the nationwide National Chemistry Olympiad (NChO) exam and lab practical that will be held on Saturday, April 21 at NSU. Based on those results, 20 students nationwide will be selected to go to an intense three-week training camp at the US Air Force Academy in Colorado Springs. Four will be selected to go to the International Chemistry Olympiad (IChO), July 19-29, 2018 in Slovakia and the Czech Republic.

Congratulations to the following South Florida high school students, and their chemistry teachers, who qualified to take the national exam:

Student	High School	Teacher
Leonardo Bonanno	Gulliver Preparatory	Jennifer Guerra
Scott Daniel	Martin County High School	Patricia Bros
Alex Delhumeau	Saint Andrews	Paula Martin
Riya Gandhi	Archimedean Upper Conservatory	Kalaiselvi Penneerselvam
Michael Gonzales	University School at NSU	Carlos Montero
Ashle Li	American Heritage Delray	Ewa wojcik
Kiran Masroor	Gulliver Preparatory	Jennifer Guerra
Javier Pradesaba	Everglades High School	Uma Lyer
Alfred Shomar	Miami Palmetto High School	Yuria Sharp
Cameron Tyriver	Saint Andrews	Paula Martin
Lindsey Yang	Miami Palmetto High School	Yuria Sharp

### ACS SCHOLARS FROM SOUTH FLORIDA

The ACS Scholars Program was initiated in 1995 to address the gap in underrepresented minority representation in the chemical sciences by an original appropriation from the ACS Board of Directors of \$5 million. Outside gifts from individuals, corporations and foundations have reached another \$10 million. These contributions have funded 2,813 scholarship recipients and 1,446 students have successfully completed their undergraduate degree. More than half of them have continued into graduate programs where 292 have received a PhD degree with 40 serving in academic roles. The scholarship, besides the monetary award, strives to find mentors (coordinated by our own Zaida C. Morales Martinez – aka Mama Z) for all Scholars and encourage them to engage in research before graduating. As of December 2017, there were a total of 384 Scholars in over 200 colleges and universities across the United States, Puerto Rico and Hawaii.

Congratulations to the following Scholars from the South Florida Local Section at their respective institutions:

Jamie Alvarez Duque	Chemistry	Northeastern Univ.
Emily Brown	Chemical Physics	Columbia Univ.
Ayomide Fatunde	Chemical Engineering	MIT
Caridad Infante	Biochemistry	University of Florida
Courtney Johnson	Chemical Engineering	Northeastern Univ.
Kathleen Lugo	Chemistry	Florida Int'l Univ.
James O'Connor	Chemistry	Univ. Texas Austin
Monique Peyreau	Biochem & Molec. Biol.	Boston University
Christopher Pinango	Chemistry	Florida State Univ.
Isabela Ramirez	Chemical Engineering	Syracuse University
Paloma Tuttle	Chemistry	Florida Int'l Univ.
Anahi Vivar	Forensic Chemistry	Univ. of New Haven

### 2018 SoFL-ACS Officers

Chair: David Riusech, Noven Pharmaceuticals, 954-292-6548, [driusech@aol.com](mailto:driusech@aol.com)  
 Chair-Elect: Orlando Acevedo, University of Miami, 305-284-5662, [orlando.acevedo@miami.edu](mailto:orlando.acevedo@miami.edu)  
 Immediate Past Chair: Jesse Bernstein, Miami Country Day School, 601 NE 107 St., Miami, FL 33161, 305-779-7260, [bernsteinj@miamicountryday.org](mailto:bernsteinj@miamicountryday.org)  
 Secretary: Milagros Delgado, FIU-Biscayne Bay Campus, N. Miami, FL 33181; 305 919-5966, [degadom@FIU.edu](mailto:degadom@FIU.edu)  
 Treasurer: David Riusech (see above)  
 Councilors: Milagros Delgado (see above)  
 Zaida Morales-Martinez, 305 386-3206; [moralesz@fiu.edu](mailto:moralesz@fiu.edu);  
 George Fisher, Barry University, Miami Shores, FL 33161; 305 899-3430; [gfisher@barry.edu](mailto:gfisher@barry.edu)  
 Alternate Councilors: John Reilly, 239-590-1881, [johnreilly@fgcu.edu](mailto:johnreilly@fgcu.edu)  
 Lisa Milenkovic, [lisa.milenkovic@browardschools.com](mailto:lisa.milenkovic@browardschools.com), 754-321-2623  
 Vic Shanbhag (2015), Nova Southeastern University, 954- 262-8331, [shanbhag@nova.edu](mailto:shanbhag@nova.edu)

### SUMMER 2017 SEED SCHOLARS

During the summer of 2017 three high school students participated in research at Florida International University and the University of Miami with support from SoFL-ACS and the ACS Project SEED (Summer Educational Experience for Disadvantaged students). Andy Armand, a Senior at North Miami Beach High worked with Dr. John Berry at Florida International University; Rene Galan, a Senior at Miami Springs High School and Yoldinie Nicoleau, a Junior at the School for Advanced Studies, worked with Dr. Rajeev Prabhakar at the University of Miami. These SEED students will be honored at the SoFL-ACS awards banquet. Congratulations to them.

## SoFL-ACS AWARDS BANQUET

Saturday, April 21

**11:30 AM Reception and Poster Session**  
**12:30 – 2:30 PM Buffet and Awards**

Wolfe Student Center 221-223  
 FIU Biscayne Bay Campus  
 3000 N.E. 151<sup>st</sup> Street, North Miami

Keynote address by

**Dr. Peter Dorhout**  
 ACS President

Cost: \$30.00 ACS members and guests; \$15.00 Students

Send reservation form with check payable to SoFL-ACS by Monday, April 16 to:

Mr. David Riusech  
 13575 NW 5th Ct. #103  
 Pembroke Pines, FL 33028  
[driusech@aol.com](mailto:driusech@aol.com)

Name \_\_\_\_\_

Address \_\_\_\_\_

School if a student \_\_\_\_\_

Number of reservations: \_\_\_\_\_ @ \$30.00 = \$ \_\_\_\_\_

\_\_\_\_\_ @ \$15.00 = \$ \_\_\_\_\_

Total enclosed \$ \_\_\_\_\_