

Chemistry Outlook

An Activity of
The Committee on Chemistry in the Two
Year Colleges;
Division of Chemical Education;
American Chemical Society

Main Website:

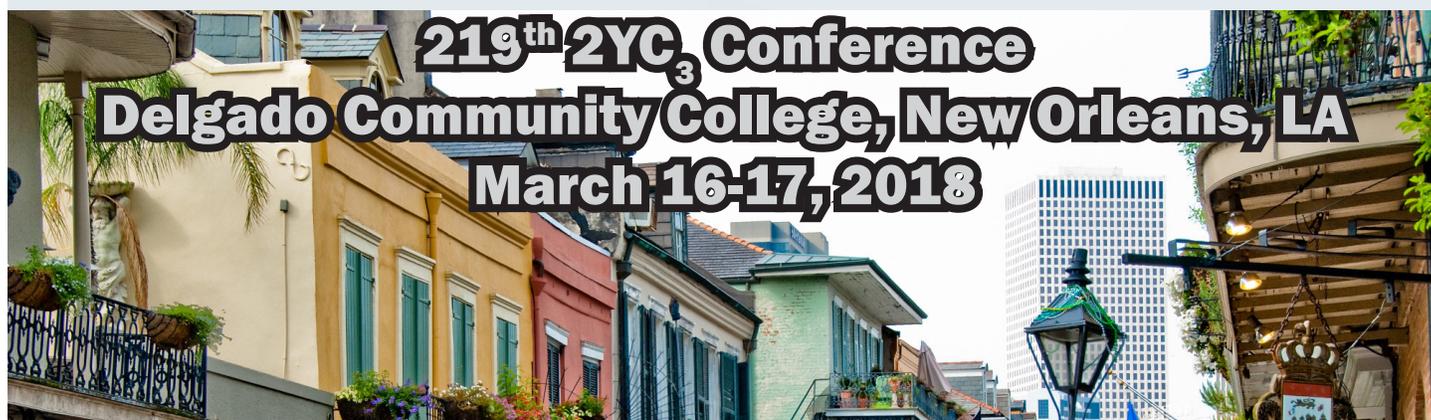
<http://www.2yc3.org>

Issue:

Issue I, 2018

Facebook:

2YC3



The 2YC₃ will be in New Orleans at Delgado Community College again, and we're looking forward to seeing you there! It will be held **March 16-17, 2018**. Please consider joining us on for this conference. The theme for this conference is **"Creativity, Collaboration, and Customization in Chemical Education"**. If you're considering giving a presentation or holding a workshop at the 219th Conference, abstracts can be submitted to Diondra DeMolle (ddemol@dcc.edu).

Registration will be open at <http://www.2yc3.org>. Registration with meal options will be available until **March 9**, though you can still register up until the day of the conference.

More information about the conference can be found on pages 2-3 of the newsletter.



pg 2	pg 3	pg 4	pg 5	pg 6
219th 2YC3 Conference	2018 BCCE Information	220th 2YC3 Conference	Notes from the Chair	Workshops Information
Helium 4.00	Lithium 6.94	Beryllium 9.01	Boron 10.81	Carbon 12.01

Of Note:

• If you'd like to submit an article to the Outlook newsletter, send it to newsletter@2yc3.org. The deadline for Issue II of the 2018 newsletter will be April 15, 2018.

• You can now pay for your membership on the 2YC₃ website (<http://www.2yc3.org>). Click on "Membership Form" on the left side of the main page to become a member or to renew your current membership.

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More Info: 219th 2YC₃ Conference: Delgado Community College, March 16-17, 2018

Theme: "Creativity, Collaboration, and Customization in Chemical Education"

Contact Information:

Program Chair: Diondra DeMolle (Delgado Community College) – ddemol@dcc.edu – (504) 671-6802

Local Arrangements Chair: Marcus Etienne (Delgado Community College) – metien@dcc.edu – (504) 671-5580

Exhibits Chair: April Noble (Delgado Community College) – anoble@dcc.edu – (504) 671-6773

Final date for abstract submission: Friday, February 16, 2018

Friday keynote address: Dr. Nivaldo Tro, Westmont College, Santa Barbara, CA "Active Learning Tools for General Chemistry"

Saturday morning panel discussion: Professionals from Academia and Businesses
Importance of Transferability of Two-Year Chemistry Courses to Four-Year Colleges and the Workforce

Saturday afternoon keynote address: Dr. Stacey Bretz, Miami University, Oxford, OH

continued on page 3

More Info: 291th 2YC₃ Conference

Friday banquet info: On Friday, March 16, 2018 at 6:00 pm, this conference will feature a tour, a dinner, and a workshop at Mardi Gras World: The New Orleans Museum of Mardi Gras (1380 Port of New Orleans Place, New Orleans, LA 70130). This is a private event for conference attendees and invited guests only. You are encouraged to bring along anyone who may be traveling with you to New Orleans, LA. Due to a prepaid deposit, the initial contract only includes 30 persons. However, the event space will accommodate up to 100 persons. Please register soon to secure your seat and allow the business to plan accordingly. The cost is \$75/person, which includes a one-hour tour of Mardi Gras World, a 4-course dinner, and a team-building, mask-making workshop. You can leave your heart in New Orleans, but you can take the mask home!

Other conference highlights: Saturday, March 17 is St. Patrick's Day. Many events will be held in New Orleans including parades and street parties. More information will available in the Lagniappe section of the website.

Airport: The Louis Armstrong International Airport (Airport Code: MSY) is located 11.6 miles from the City Park Campus and 14.6 miles from the hotel. The airport website is: www.flymsy.com.

Transportation Options from the airport to the hotel to the campus include, but are not limited to:

Uber – <http://www.uber.com>; Lyft – <http://www.lyft.com>; Taxi – An extensive list with phone numbers can be found on the conference website.; Streetcar/Bus – <http://www.norta.com/Maps-Schedules/System-Map> and <http://www.norta.com/Fares-Passes/How-to-Buy-Fares-and-Passes>. More information is available on the conference website: www.dcc.edu/2yc3/travel.aspx

Lodging info: Holiday Inn Downtown Superdome (French Quarter Area), 330 Loyola Avenue, New Orleans, LA 70112; www.hi-neworleans.com. The rate is \$129 + tax per night (single/quad standard room). Note that this is a Downtown property and parking is \$30.00 per night. Rate is available from 3/15/2018 – 3/17/2018. Call (800) 535-7830 or (504) 581-1600 for reservations. Use Group Code: 2YC3 2018 Spring Conference (Reservation Deadline: February 12, 2018). For more information, check out our website, <https://www.dcc.edu/2yc3>

2018 Biennial Conference on Chemical Education

University of Notre Dame,

July 29 - August 2, 2018

The 25th Biennial Conference on Chemical Education (BCCE) will be held on the beautiful campus of the University of Notre Dame in South Bend, IN from **July 29 through August 2, 2018**. The BCCE designed to provide you with opportunities for interacting with chemistry instructors of all levels in formal and informal settings. There will be a mixture of plenary lectures, symposia, workshops, chemical demonstrations, poster sessions, exhibits and tours of chemistry research areas.

The abstract submission for the 25th Biennial Conference on Chemical Education (BCCE) is now open. If you're interested in submitting an abstract, it is due by **February 20, 2018**.

The 2YC₃ will be holding a symposium entitled "Collaboration Cubed: Two-Year College Chemistry Faculty Thrive on Collaboration, Creativity and Connections", and we are looking for submissions. Two Year College Chemistry Teachers from across the country have many creative perspectives on teaching chemistry to the diverse population of students that step onto our campuses. This is an opportunity to share what is working for you and to build connections as you collaborate with other Teachers facing similar issues and successes. We are interested in topics such as transfer agreements with 4 year Institutions, building equity and inclusion in STEM, distance learning, Allied Health Chemistry, Undergraduate Research, even contract negotiations and using the ACS guidelines for Two Year Colleges, along with many other topics to build student success. The collaboration between colleagues that are built at 2YC3 conferences last a lifetime and benefit students across the country.

For more information and abstract submission, head to <http://bcce2018.org/>

220th 2YC₃ Conference
Student Success – It's Not Just a Game: Promoting Scientific Curiosity
University of New Mexico - Valencia, NM
October 12-13, 2018



The University of New Mexico Valencia Campus is proud to host the 220th 2YC₃ conference in the fall of 2018. UNM Valencia is a two-year public college of the University of New Mexico System serving 2,300 students. The institution was established as a branch campus in 1981 and functions as a regional community college for a large rural area in central New Mexico. The campus is in the heart of the middle Rio Grande Valley, located near the historic village of Tomé, 20 miles south of the Albuquerque airport. The capital city of Santa Fe is 80 miles north of the campus on Interstate 25. There are many attractions to see in Albuquerque and Santa Fe, including museums, cultural sites, and world-class restaurants. The Rail Runner commuter train originates near the campus, with stations in both nearby towns of Belén and Los Lunas, and provides transportation to Albuquerque and Santa Fe.

UNM Valencia is an Hispanic and Minority-Serving Institution, serving primarily first-generation, low income college students in a rural area. The theme of our conference focuses on how we promote scientific curiosity in our diverse student population. Each of our institutions has unique geological, cultural, and sociological environments that shape the interests and career goals of our students. Whether students connect to the material that we present through an interest in the history of their region, a desire to improve the world around them, or a need to understand how certain physical or chemical processes work, by connecting course topics to these issues, we can tap into our students' passions and promote their curiosity. The resulting explorations can provide a lifetime of scientific curiosity and the satisfaction of working towards meaningful solutions to the world's issues – local, regional, national, and beyond.

If you would like to contribute to our program, please send an email to Tracy Terry (tjterry@unm.edu) no later than **September 1, 2018**.

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Mary Roslonowski, East Florida State College, FL

Hello everyone, happy 2018!

I hope your new year is starting off well. I'm really excited about this year for 2YC₃ and chemistry education. At our recent conferences, it was great to see faculty discussing how to do online learning in chemistry well and to see so many chemistry faculty creating active learning classrooms at their institutions. Our members are innovators and risk takers who really want students to excel and enjoy chemistry. It is a beautiful subject, we should be proud of what we profess! I've been involved with 2YC₃ since 2004 and it has helped me to grow immensely as a facilitator of learning and as a person. I attended a conference back then because I was looking for ways to improve learning for my students. With each conference, I always brought back a new innovation which I would use in my classroom and met a lot of great people. As chair, I hope to continue providing to the professional development needs of two-year college chemistry faculty as 2YC₃ did for me back in 2004.

I want to thank the 2017 officers for their hard work and dedication to the organization. We've got a great line up of professional conferences this year as well as a larger role in the Biennial Conference on Chemical Education (taking place this summer at Notre Dame) thanks to the efforts of the 2017 executive board. In 2018, we welcome DeeDee Allen as industrial sponsors chair and Robert Kojima as chair elect 2019. Tamika Duplessis changes roles and is the online conference coordinator, and Kathy Carrigan now becomes immediate past chair on the board. I look forward to working with the board as well as working with the members of 2YC₃ to ensure our organization is meeting the needs of its members and accomplishing its mission. I invite each of you to email me suggestions or comment on what you think the 2YC₃ should be doing or is doing well for its members. These will be very helpful when we do strategic planning for the upcoming year(s). My email is roslonom@palmbeachstate.edu and my phone is 321-243-6198. Have a wonderful Spring term! I hope to see you at Delgado this March in New Orleans.

Best regards,
Mary

Dorothy and Moses Passer Education Grants

The Dorothy and Moses Passer Education Grant is to provide support for faculty in small programs and who are somewhat isolated from others in their discipline. If you want to attend an ACS short courses, take advanced courses at a nearby college or university, or attend workshops at colleges or universities, and have limited funds, you should consider applying for the grant. The award provides for expenses for one workshop or activity with a limit of \$1000. Expenses include transportation, housing costs and meals (at per diem rate) that are not supported by other sources of funding. The next deadline for the grant is **April 1, 2018**, and can be applied for at:

<http://www.divched.org/content/passer-education-grant-application-form>.

Inquiry, Visualization, and Models in General Chemistry: Using New Educational Strategies and Computer Technology to Save Time and Cost, Increase Safety, and to Engage Students in Real Science

This is a 2-1/2 day Summer Conference for Chemistry Faculty on **July 9-11, 2018**, followed by an optional 2-1/2 day Lab Development workshop (two graduate credits CHMY 506) on **July 11-13, 2018**.

Montana State University - Bozeman
Department of Chemistry and Biochemistry and Master of Science in Science Education Program
MicroLab, Inc.

Conference Organization: We teach content by design, but inquiry skills and visualization by example. This conference is organized as a sequence of lectures, discussions, and “hands-on” two-hour laboratory sessions. New educational strategies and technologies will be introduced by national leaders in chemical education, discussed among the group, and then immediately applied and evaluated in the laboratory. Laboratory content and examples will be drawn from the first-year college chemistry curriculum. Participants will also have an opportunity to enjoy Montana’s mountain west.

Conference Staff:

Dr. Norb Pienta, Professor of Chemistry, The University of Georgia, Editor of the Journal of Chemical Education: Using Live Graphics and Visualization to Improve Understanding in the General Chemistry Laboratory

Dr. Tom Kuntzleman, Professor of Chemistry, Spring Arbor University: Undergraduate Research on a Shoestring

Dr. Shayna Burchett, Chemistry Instructor, State Fair Community College, MO: Safe, affordable, and scientifically honest hands-on computer-based wet chemistry labs for distance learning.

Dr. John Amend, Professor of Chemistry Emeritus, Montana State University, President, MicroLab, Inc.: Using Computers to integrate Research Strategies into the General Chemistry Laboratory.

Dr. Candace Goodman, Chemistry Teaching Professor, Montana State University, Bozeman: There is more to Lab than Data Acquisition.

Laboratory:

Lab I - Computers can be used to design experiments, to acquire, visualize, and evaluate experimental data, and to engage students in inquiry.

Lab II - Chemical Models I: Visualization: Light is the language of atoms. Atomic spectroscopy and atomic models, color and Beer’s Law, kinetics, turbidity, and fluorescence.

Lab III - Chemical Models II: Electrochemistry - Electrons can be the currency in chemical reactions. electroplating, the electrochemical series, and the Nernst Equation.

Lab IV - Chemical Models III: Acid-base chemistry - Protons can be the currency in chemical reactions. Titration curves - strong and weak acids, buffers, and indicators.

Registration, conference information, housing, and optional credit:

Contact Diana Paterson, dianap@montana.edu, at the MSSE Program at Montana State University - Bozeman (406) 994-5679 for registration, housing, conference, or graduate credit information. For conference content information, contact Shayna Burchett, sburchett@sfccmo.edu (660) 909-4300, or John Amend, jamend@microlabinfo.com, (406) 586-3274. The conference brochure is on the MSSE web site montana.edu/msse/, and on the MicroLab web site, microlabinfo.com. The conference fee is \$175, payable to Montana State University. Participants wishing to earn two 500-level Montana State University semester graduate credits may do so by registering for a 2-1/2 day laboratory development workshop (CHMY 506) immediately following this conference (Wednesday afternoon, Thursday, Friday). Experiments developed are to take back home and use in your classes.

Active Learning Workshop Focusing on Instrumental or Quantitative Analytical Methods

You are invited to participate in a workshop on the incorporation of active learning exercises into the classroom and laboratory of chemistry courses focusing on instrumental or quantitative analytical methods (e.g. quantitative analysis, instrumental analysis, environmental chemistry, forensics).

There will be offering two workshops in 2018:

Sun. June 17 (starting at 8 am) through Wed., June 20 (ending at noon); Washington University St. Louis.
Sun. July 15 (starting at 8 am) through Wed., July 18 (ending at noon), Indiana University, Bloomington.

A grant from the National Science Foundation will enable us to cover most of your travel costs (up to \$500 toward airfare or mileage reimbursement), the cost of on-site housing, and a number of the on-site meals. Participants will need to cover other minor expenses associated with items like airport parking, tolls, meals in route, and travel from the airport to the meeting location. Attendees at one of the national workshops are expected to participate in a smaller regional workshop that will take place in the fall of 2019. In addition, attendees are expected to host one of the workshop facilitators on a campus visit during the 2019-2020 academic year. Funds from our NSF grant will cover most of the costs of attending the regional workshop and the campus visitor.

If you are interested in participating in the workshop, respond to Tom Wenzel (twenzel@bates.edu) by **February 16** with information on the following items. 1) Indicate your availability for one or both of the sessions. 2) An abbreviated CV (no more than 3 pages) 3) The analytical chemistry or related courses you regularly teach and their approximate enrollment. 4) A brief description of any prior experience you may have with the use of active learning in the classroom and laboratory (prior experience is not required). 5) A description of why you are interested in participating in the workshop.

COCTYC and Support Staff 2018 Roster of Committee Members

Chair Mary Roslonowski, Eastern Florida State College (FL) chair@2yc3.org	Chair-Elect 2018 Peter Larkowski, Delta College (MI) chairelect2018@2yc3.org	Chair-Elect 2019 Robert Kojima, San Diego City College (CA) chairelect2019@2yc3.org
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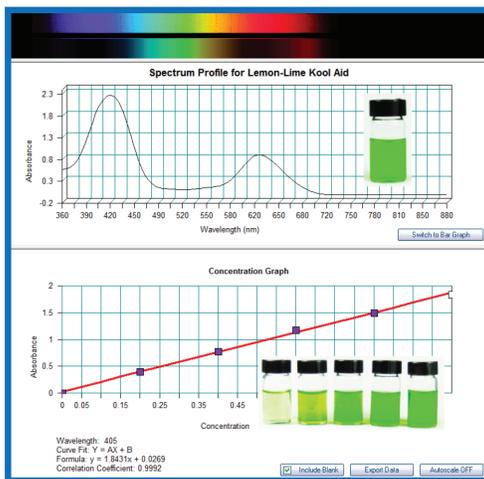
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