

# Chemistry Outlook

An Activity of  
The Committee on Chemistry in the Two  
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American Chemical Society

Main Website:

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

Issue:

Issue III, 2017

Facebook:

2YC3

## 218<sup>th</sup> 2YC<sub>3</sub> Conference

**Durham Technical Community College, Durham, NC**  
**November 3-4, 2017**



The 2YC<sub>3</sub> is coming back to Durham Technical Community College after being held there 10 years ago. It will be held **November 3-4, 2017**. Please consider joining us on for this conference. Many things have changed in those ten years, so the theme for this conference is **“Chemical Education: Past, Present, and Future”**. If you’re considering giving a presentation or holding a workshop at the 218<sup>th</sup> Conference, abstracts can be submitted to Mark Matthews (matthewsm@durhamtech.edu)

Registration is now open at <http://www.2yc3.org>. Registration with meal options will be available until **October 27**, though you can still register up until the day of the conference.

More information about the conference can be found on page 3 of the newsletter.



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**2018 BCCE  
Information**

Helium  
4.00

pg 3

**218th 2YC3  
Conference**

Lithium  
6.94

pg 4

**219th 2YC3  
Conference**

Beryllium  
9.01

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**Notes from  
the Chair**

Boron  
10.81

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**Chair Elect 2019 /  
Industrial  
Sponsors Chair**

Carbon  
12.01

## Of Note:

- If you'd like to submit an article to the Outlook newsletter, send it to [newsletter@2yc3.org](mailto:newsletter@2yc3.org). The deadline for Issue I of the 2018 newsletter will be December 15, 2017.
- You can now pay for your membership on the 2YC<sub>3</sub> 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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## 2018 Biennial Conference on Chemical Education University of Notre Dame, July 29 - August 2, 2018

The conference will be held on the beautiful campus of the University of Notre Dame in South Bend, IN from **July 29 - August 2, 2018**. The 25<sup>th</sup> BCCE, like all of its predecessors, is 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 deadline for workshop and symposia abstract submission is **December 4, 2017**.

For more information about the conference, go to:  
<http://www.bcce2018.org>



# More Info: 218<sup>th</sup> 2YC<sub>3</sub> Conference: Durham Technical Community College, November 3-4, 2017

In November, 2007, Durham Technical Community College hosted the 179<sup>th</sup> 2YC<sub>3</sub> Conference, and now – ten years later – we are proud to welcome 2YC<sub>3</sub> back to Durham, NC for the 218<sup>th</sup> Conference on November 3-4, 2017.

The theme of our conference, Chemical Education: Past, Present, and Future, will be one of connecting our past ideas and techniques with those of the present, as well as discussions of what may come in the years to come and how we can best prepare for it.

Registration is now open at <http://www.2yc3.org>. For the most current information on the 218<sup>th</sup> Conference, please visit [www.durhamtech.edu/2yc3](http://www.durhamtech.edu/2yc3)

## **Program**

Most to all of our program will be held on Durham Tech's Main Campus in the Collins Building (Building 2). Campus maps can be found at <https://www.durhamtech.edu/about/campusmap.htm>.

If you would like to contribute to our program, be it a presentation, workshop, or even leading a roundtable discussion on a topic of interest, please send an email to Mark Matthews (matthewsm@durhamtech.edu) no later than October 1, 2017.

## **Air Travel**

Raleigh-Durham International Airport (RDU) is served by the following airlines: Alaska, Allegiant, Air Canada, American, Delta, Frontier, Jet Blue, Southwest, and United. It is approximately 13 miles from the airport to the campus.

## **Hotel Information**

The following hotels are conveniently located approximately 5 miles from RDU airport and 10 miles from Durham Tech's main campus. Both the airport and the college are easily accessible via Interstate 40.

Marriott at Research Triangle Park  
4700 Guardian Dr, Durham, NC 27703  
(919) 941-6200

Hotel Indigo Raleigh Durham Airport at RTP  
151 Tatum Dr, Durham, NC 27703  
(919) 474-3000 (ask for Jamie)

Spring Hill Suites Raleigh-Durham  
920 Slater Rd, Durham, NC 27703  
(919) 998-9500

DoubleTree by Hilton Hotel Raleigh-Durham  
4810 Page Creek Ln, Durham, NC 27703  
(919) 941-6000

**219<sup>th</sup> 2YC<sub>3</sub> Conference**  
**Delgado Community College, New Orleans, LA**  
**March 16-17, 2018**



The Two-Year College Chemistry Consortium (2YC<sub>3</sub>) in association with Delgado Community College (DCC) will be hosting the 219<sup>th</sup> Conference in New Orleans, LA from March 16-17, 2018. The theme of the conference is “Creativity, Collaboration, and Customization in Chemical Education.” In an ever-advancing, technological world, chemical education must evolve to meet the standards of today’s society. The conference will focus on three topics to help better achieve this goal.

1. Creativity – Using new, improved teaching methods, resources, and technology
2. Collaboration – Brainstorming and networking with colleagues, experts, and authors
3. Customization – Getting rid of the “one size fits all” method of instruction and assessment

Two-year college faculty, university faculty, industrial partners, and high school teachers are welcome to attend to gain knowledge, skills, and support from colleagues and professionals. If you would like to contribute to the conference, by hosting a workshop, presentation, workshop, panel discussion, or in another manner, please send an email with an abstract or brief description to Diondra DeMolle (ddemol@dcc.edu) no later than **January 16, 2018**.

The latest conference updates will be available on the website soon at [www.dcc.edu/2yc3](http://www.dcc.edu/2yc3). We hope you will be able to attend and take advantage of this great professional development opportunity.

Sincerely,  
Diondra DeMolle, Program Chair

102 <b>No</b> Nobelium [259]	52 <b>Te</b> Tellurium 127.6	16 <b>S</b> Sulfur 32.065
87 <b>Fr</b> Francium [223]	8 <b>O</b> Oxygen 15.9994	25 <b>Mn</b> Manganese 54.938045
90 <b>Th</b> Thorium 232.03806	63 <b>Eu</b> Europium 151.964	6 <b>C</b> Carbon 12.0107
1 <b>H</b> Hydrogen 1.00794	79 <b>Au</b> Gold 196.966569	77 <b>Ir</b> Iridium 192.217

## Kathy Carrigan, Portland Community College, OR



"It was wonderful to meet with so many Chemistry Educators who are passionate about teaching", is one of the many positive comments I hear from colleagues who attended the 2YC<sub>3</sub> conferences across the country. The Two Year College Chemistry Consortium, 2YC<sub>3</sub> provides a forum for chemistry educators to enhance student learning through these professional development conferences.

There have been 2 conferences so far in 2017, one in March at Truckee Meadows Community College with the theme "Chemistry Inside and Outside the Classroom", and the other in May at Bronx Community College with the theme: "Creative Teaching Strategies". At Truckee Meadows, Conference Chair Olga Katkova lead us through seminars and workshops such as designing collaborative learning space classrooms, E-Cigarettes, Air Quality in the Mid-east, Undergraduate Research, and Learning Chemistry Outside the Classroom, Chemistry by Canoe (Wisconsin) and Capturing Interdisciplinary Teaching in Gen Chem by using a Challenge Drawing.

In addition, there was a workshop using ACS Tools for Assessment in the 2 Year College. Guests were treated to a super cool tour of the Civil Support Team Mobile Laboratory! Close to 50 college and high school Chemistry educators from the Nevada/California region but also from across the country enjoyed the hospitality of TMCC and Reno.

At the end of May, Bronx Community College host Vicki Flaris, hosted over 100 college and high school chemistry teachers through many active learning seminars, discussing flipped classrooms, undergraduate research, interdisciplinary teaching strategies, combining chemistry and biology entrepreneurship, nanotechnology, Chemistry Marketing, from Basic Materials to Commercial Products, developing and improving online chemistry learning to name a few. There was help in writing NSF grants and a workshop on Building Bridges/Student Transfer Workshops designed to help ease student transfer from the 2 Year to the 4 year college. Dr. Flaris arranged an exciting and fun walking tour of Harlem topped off with a traditional meal at the famous Sylvia's Restaurant in Harlem.

The 2YC<sub>3</sub> conferences provide people, who may be the only chemistry teacher on a rural campus to network and collaborate with a colleague from a large urban community college. Friendships are made, joint grants are created and teachers go home inspired to try something new! Many teachers who cannot attend the National ACS meetings may find the information at the ACS Booth on ACS tools ACS Guidelines for Chemistry in Two Year Colleges, ACS Assessment Tool for Chemistry in Two Year Colleges, Teaching Chemistry to Students with Disabilities, Safety in Academic Laboratories. All of these tools have personally helped me in making decisions as our chemistry program has grown and evolved at Portland Community College (Portland Oregon).

The next adventure for 2YC<sub>3</sub> is at Durham Technical College in Durham, NC in November, with the theme "Chemical Education: Past, Present and Future"; and next year we plan to be in New Orleans in the spring and New Mexico in the Fall and of course with a membership meeting and more at the BCCE at Notre Dame in summer 2018!

*Continued on next page*

The Two Year College Chemistry Consortium is always looking for new members and new leaders. Come to a meeting to share your latest and greatest innovation in chemistry education or come to learn something new, to gain colleagues and make new friends. If you are looking for a way to become more involved in the 2YC<sub>3</sub> we are looking for those of you with leadership potential to serve as an officer on our board. You may be looking to grow in your career or you may be like me, looking to serve to be a part of a two year college chemistry education community and make a difference in the lives of new educators looking for professional development and collegial friendships.

Onward, one step at a time.

Kathy Carrigan, Chair 2YC<sub>3</sub>

[www.2yc3.org](http://www.2yc3.org)

## Call for 2019 Chair Elect and Industrial Sponsor Chair Nominations

The Committee on Chemistry in the Two-Year College (COCTYC), 2YC<sub>3</sub>'s executive governing board is actively seeking interested applicants for the 2019 Chair Elect and the Industrial Sponsors Chair.

As per the bylaws of the 2YC3:

1. Applications for all offices must include:

- a. Pertinent personal data such as name, college, job title, address, e-mail address, etc.
- b. Brief statement of pertinent qualifications, signed by the nominee. A statement indicating a willingness to serve signed by the nominee.
- c. A statement of support from an appropriate person in the applicant's school.

2. To be eligible to be nominated for any office, an individual must:

- a. Have experience as a two-year college chemistry teacher.
- b. Have been a dues-paying member of 2YC<sub>3</sub> for a minimum of three years prior to nomination.
- c. Be a member of the Division of Chemical Education.
- d. In addition, applicants for the office of Chair Elect must have demonstrated leadership and organizational ability by serving in one or more of the following capacities:  
Served three years on the COCTYC.

Served as Program Chair, Local Arrangements Chair, or Exhibits Chair for a 2YC<sub>3</sub> Conference.  
Chaired a sub-committee of the COCTYC.

Contributed within the past three years in two or more ways such as:

- (1) acted as local industrial sponsor coordinator.
- (2) chaired a conference section.
- (3) presented a paper at a conference.
- (4) moderated a panel at a conference.
- (5) other ways an individual has contributed.

3. Applications should be received by the Chair by October 1. The COCTYC will serve as a nominating/screening committee to generate a slate of candidates.

The current Chair is Kathy Carrigan and can be reached through the 2YC<sub>3</sub> Website under officers, or at [kcarriga@pcc.edu](mailto:kcarriga@pcc.edu). Please feel free to contact me if you have questions about running yourself or if you have someone you would like to nominate. I am happy to chat more about the details and responsibilities.

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## COCTYC and Support Staff 2017 Roster of Committee Members

<b>Chair</b> Kathy Carrigan, Portland Community College (OR) <a href="mailto:chair@2yc3.org">chair@2yc3.org</a>	<b>Chair-Elect 2017</b> Mary Roslonowski, Palm Beach State College (FL) <a href="mailto:chairelect2017@2yc3.org">chairelect2017@2yc3.org</a>	<b>Chair-Elect 2018</b> Peter Larkowski, Delta College (MI) <a href="mailto:chairelect2018@2yc3.org">chairelect2018@2yc3.org</a>
<b>Immediate Past Chair</b> Tamika Duplessis, Delgado Community College (LA) <a href="mailto:tabchair@2yc3.org">tabchair@2yc3.org</a>	<b>Past Chair (DivCHED Representative)</b> Neil Bastian, Salt Lake Community College (UT) <a href="mailto:pastchair1@2yc3.org">pastchair1@2yc3.org</a>	<b>Past Chair (Future Sites Coordinator)</b> Scott Donnelly, Arizona Western College (AZ) <a href="mailto:futuresites@2yc3.org">futuresites@2yc3.org</a>
<b>Treasurer</b> Julie Ellefson-Kuehn, Harper College (IL) <a href="mailto:treasurer@2yc3.org">treasurer@2yc3.org</a>	<b>Membership &amp; College Sponsors Chair</b> Jason Jadin, Rochester Community and Technical College (MN) <a href="mailto:membership@2yc3.org">membership@2yc3.org</a>	<b>Industrial Sponsors Chair</b> Michele Turner, University of Akron – Wayne College (OH) <a href="mailto:industrialsponsors@2yc3.org">industrialsponsors@2yc3.org</a>
<b>Newsletter Editor</b> Jon Gittins, Delta College (MI) <a href="mailto:newsletter@2yc3.org">newsletter@2yc3.org</a>	<b>Webmaster</b> Luca Preziati, Leeward Community College (HI) <a href="mailto:webmaster@2yc3.org">webmaster@2yc3.org</a>	<b>Workshops Liaison</b> Amy Jo Sanders, Stark State College (OH) <a href="mailto:workshops@2yc3.org">workshops@2yc3.org</a>

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Kathy Carrigan, CHAIR  
 Jon Gittins, EDITOR  
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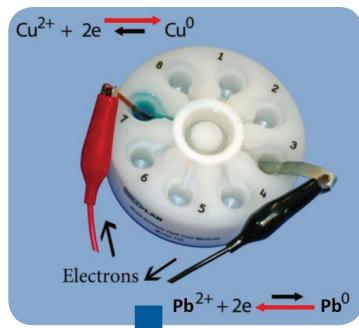
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- Conductance • Voltage/Electrochemistry • Time
- Counts/ drops • Thermocouple • Spectrophotometry
- Fluorescence • Turbidity • Volts/Millivolts



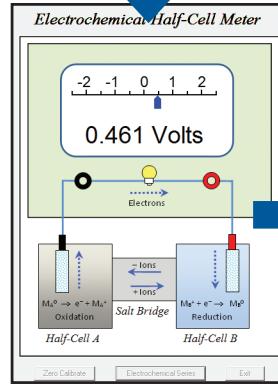
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<input type="checkbox"/> Copper	$\text{Cu}^{2+} + 2\text{e} \leftrightarrow \text{Cu}^0$	<input checked="" type="checkbox"/>
<input type="checkbox"/> Iron	$\text{Fe}^{2+} + 2\text{e} \leftrightarrow \text{Fe}^0$	<input type="checkbox"/>
<input type="checkbox"/> Iron	$\text{Fe}^{3+} + 3\text{e} \leftrightarrow \text{Fe}^{2+}$	<input type="checkbox"/>
<input type="checkbox"/> Lead	$\text{Pb}^{2+} + 2\text{e} \leftrightarrow \text{Pb}^0$	<input type="checkbox"/>
<input type="checkbox"/> Magnesium	$\text{Mg}^{2+} + 2\text{e} \leftrightarrow \text{Mg}^0$	<input type="checkbox"/>
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<input type="checkbox"/> Silver	$\text{Ag}^{1+} + 1\text{e} \leftrightarrow \text{Ag}^0$	<input checked="" type="checkbox"/>
<input type="checkbox"/> Tin	$\text{Sn}^{2+} + 2\text{e} \leftrightarrow \text{Sn}^0$	<input type="checkbox"/>
<input type="checkbox"/> Zinc	$\text{Zn}^{2+} + 2\text{e} \leftrightarrow \text{Zn}^0$	<input checked="" type="checkbox"/>

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