



# NEMATYC NEWS

Available online – [www.NEMATYC.org](http://www.NEMATYC.org)



Vol. 26, No. 2

Newsletter of the New England Mathematical Association of Two-Year Colleges

Spring, 2018

## NEMATYC 2018

### 44<sup>th</sup> Annual Meeting

#### *APPLYING MATHEMATICS TO THE FUTURE*

Friday and Saturday, April 6-7, 2018

Dean College

Franklin, MA

*Chair: Rick Neville*



**Register and Call for Presenter Proposals Inside**



**From the NEMATYC  
President**

**Bob Cantin**

Greetings!

Up here in the Northeast, we often talk about the weather. (Sometimes it seems that's all we talk about...) The weather the last few months has certainly been interesting. First, we had a very warm fall. I don't think I took out gloves until November. Then, it seemed the mercury just kept plummeting. For some of you in upstate NY, single numbers may not be unusual but single or even negative readings for several weeks on end certainly stretched the limits of my furnace! And now we're going the other way again. The January thaw came suddenly and I certainly welcomed it. Just yesterday I was able to fire up my outdoor grill and sit outside in relative comfort. As mathematicians, situations like this cause us to consider the term "outlier". I know we have the month of February coming up but I, for one, wouldn't mind continuing the passage to spring with this relatively mild weather. What do you think, is that statistically likely?

*Continued on page 3*

**From Your AMATYC  
Northeast Regional  
Vice President**

**Sophia Georgiakaki**

NEMATYC Fellow Math Lovers and Advocates,

I would like to introduce myself as the newly elected Northeast Vice President of AMATYC. I am very excited to serve in this role for the next two years, and I know I can count on Ernie Danforth and Jane Tanner to mentor me and share their experience.

I work at Tompkins Cortland Community College, a small college located in Central New York, where I teach full time for the past 12 years. My course load ranges from developmental and liberal arts math, to statistics, discrete math and online college algebra. Teaching math was my dream job since I was three years old, and it became reality in little Dryden, NY!

I have been in the executive board of NYSMATYC for 11 years, as former Secretary, Past President, and current Communications Chair.



*Continued on page 3*

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## ABOUT THE CONFERENCE

This is preliminary conference information. You may recall that with the Fall newsletter NEMATYC was still looking for a conference venue. Rick Neville and Dean College have stepped in (thank you!) but of necessity, with a late start.

Here is what is sure. The conference will be two days, starting on April 6. It will be at Dean College in Franklin, MA. It is very easy to get to and to find.

Registration will probably start at about 2 pm on Friday.

NEMATYC's business meeting will be on Saturday, as always. Officers will be elected at the meeting.

There will be presentations on what is going on, as usual. You will be sure to find your time commitment rewarded, as always.

We could use more presentations! The deadline is extended .

## Call for Presenters

The call for presenters has been extended until MARCH 12, 2018.

Submit your proposal online at <http://nematyc.info/PROPOSAL/>

### *Conference Theme: Applying Mathematics to the Future*

**Topics:** Developmental Programs, Open Educational Resources, STEM starter programs, Data Science in the first two years, Vision Project course revisions, Math for fun, How I teach it, boot camps, using math in other disciplines, online college math labs/math tutoring, online/blended courses, Gateway Programs, teaching techniques and learning styles, cutting edge software/technology, modeling data, service learning, flipped classrooms, emporium classroom or other accelerated classrooms, and K-12 and college collaboration. Don't let this list stop you!

### Conference Theme: Applying Mathematics to the Future

#### **Keynote Speaker: Mira Bernstein**

#### **Theme: Applying Mathematics to the Future**

Mira Bernstein holds a research faculty position in the interdisciplinary program in Science, Technology, and Society at Tufts University. She is a founding member of the Metric Geometry and Gerrymandering Group. [Mira Bernstein](#) holds a research faculty position in [Science, Technology, and Society](#) at Tufts University. Her MGGG specialties are in data science and mathematics education.

B.A., Yale University; Ph. D., Harvard University

Postdoctoral Fellowship: University of California, Berkeley

Field of interest: algebraic geometry

#### **Social Event Basics:**

The social activities on Friday will be two-fold. First, there will be a tour of The Hall at Patriots Place. This is the New England Patriots hall of fame that is right by Gillette Stadium in Patriots Place. This is 20 minutes from Dean College. The exact time has not yet been arranged.

There will then be drinks and appetizers a bit later. The exact location for this is still to be determined but it will happen in the Patriots Place vicinity so there will be no real travel between the two events.

#### **Conference Presentation Basics:**

Right now there is a plan for some presentations on Friday afternoon, but this may change as some of the details regarding the social event come together.

The main portion of the conference will occur on Saturday at Dean College. Morning and afternoon presentations along with a business meeting at the end of the day. Lunch will be followed by a presentation by Dr. Mira Bernstein.

**When more details are set we will send out a supplement to this newsletter. Meanwhile you can ink in April 6 and April 7 for NEMATYC's 44<sup>th</sup> conference.**

*From the NEMATYC President, continued from page 1*

We had our winter Executive Board meeting last week. I'll review some items we discussed. First, a couple of members reported on the fall annual AMATYC conference. Funding limitations forced me to miss my first conference in several years but those who were able to attend reported an active conference. They noted a major topic of interest was using open resources to facilitate math programs. I've been following this topic for several years and suggest we continue to evolve materials and approaches. See the conference proceedings at <https://amatyc.site-ym.com/?page=2017ConfHome> for more information on this and other topics.

I'm pleased to report the organization's funds are healthy. Our primary expenses during the year are the fall meeting, Student Math League awards, and other periodic awards and recognitions. Our annual spring conference is a fund raiser for us, since vendors as well as members contribute to the success of that event. All this together helps us continue our goal of professional development and social connections.

We noted that membership has tended to decline slightly recently. No immediate cause for alarm but it suggests an opportunity for reflection. One idea I had was to reach out to adjuncts. I think that there are more adjuncts now than before (whether we agree with that or not is beyond the scope of this column). There has been more current interest in adjunct participation – maybe we can encourage adjuncts in our region to become more active. There is an AMATYC ANet: Adjunct Faculty Issues that addresses related issues. Judy King, a member of our NEMATYC group, has been a key contact for this ANet. Judy is based at NHTI and can be reached through her profile at the AMATYC site.

Of course, we had a lot of discussion centered on our upcoming annual conference this April 6-7 at Dean College in Franklin, MA. Rick Neville is spearheading the planning and it's aggressively proceeding! Find more information later in this newsletter. Connect with Rick and others to help or suggest presentations.

As I reach the end of my term as president, I also reflect on how we've done over the last couple of years. Not perfect, of course, but I think we've pulled together to further our mission. I feel I've been able to contribute to our profession during this time and also enjoyed the company of colleagues I've gotten to know over the years we've been associated. There are many new members contributing as well as us "old timers". It's great to see how our profession has drawn us all together. I have every faith this group will continue to prosper and serve ourselves and our students for years to come. I don't think for a minute that our efforts and results are outliers, do you?

See you at Dean College in April. I'm looking forward to it!

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*From the AMATYC Regional Vice President, continued from page 1*

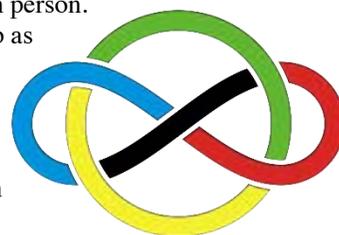
I value professional development, and I think that our work, as educators, must be shared and showcased in forums like our regional MATYCs and at the national level.

Mathematics Education is essential, demanding, and very challenging. We all have adjusted our way of teaching in one way or another to better serve our students and make an impact in their lives. But to make a greater impact and touch more lives, we must expand and scale our efforts by networking, sharing, and collaborating. Our regional and national organizations serve exactly that purpose. Therefore, I hope to become your resource and cheerleader, as we show our colleagues the great things we do in our classrooms, colleges, states, and the region.

I plan to attend the 44th Annual NEMATYC Conference this April and meet many of you in person. Due to travel obligations, I will only be there on Saturday, April 7, but I will make sure to absorb as much information and knowledge as possible.

You are the early birds in our region this spring. The weekend after your conference, on April 13-15, NYSMATYC is holding their 51st Annual Conference at the Queensbury Hotel in Glens Falls, NY, conveniently located only 20 miles or so from the border to Vermont. I strongly encourage you to attend if you can. The theme of the conference is "Going for Gold," in an effort to celebrate excellence.

Two weeks later, on April 27, MATYCONN is holding their conference at Housatonic Community College in beautiful Bridgeport, CT.



I look forward to working with the executive board of NEMATYC and meeting many of you this spring. Please consider volunteering in the organization in any capacity you can. As the axiom of extension in set theory states, "A set is completely determined by its elements – not by the order or repetition of those," which means that our organizations are only as good and diverse as we make them. Also, please encourage your colleagues to join and make NEMATYC and AMATYC stronger.

The next AMATYC conference is taking place in Orlando, on November 15-18, 2018 at *Disney's Coronado Springs Resort* (we have been asked to use the name in italics). We have secured a very low room rate, and as you make arrangements for accommodations, you will notice some processes that are different from past conferences. As an example, because we are on Disney Property, we receive free transportation to the resort via the *Disney Magical Express*®.

You may be asked to provide more information that usual upon booking, as they need to make arrangements, reserve seats for everyone that will require transportation, and mail you luggage tags. Although it seems too different from past years, Disney is promising an unforgettable experience on their property. I hope you get the chance to bring family and friends in Orlando and enjoy a productive and fun conference.



Please follow the activities of the AMATYC Northeast Region on Facebook at <https://www.facebook.com/groups/1726418054346506/>

An AMATYC membership gives you access to many professional development opportunities beyond the annual conference. We offer a variety of webinars to members and non-members and many resources in areas like research, developmental mathematics, statistics, mathematics intensive, international mathematics, technology and innovation,

placement and assessment, teacher prep, department chair and adjuncts, and many more. The next three webinars offered are

- Wednesday, February 7, 2018 at 4:00PM EST – Tom Short will be talking about Multiple Regression: From the Familiar to the Multi-Dimensional
- Thursday, February 15<sup>th</sup>, 2018 at 1:00PM EST – Jon Oaks and Julie Gunkelman will talk about Professional Development Beyond the Conference
- Wednesday, March 7, 2018 at 4:00PM EST – Jessica Bernards will talk on How to Integrate study Skills into Your Math Class to Increase Student Success and Retention

If you cannot make a webinar but are interested in the topic, you can view it at a convenient time for you at the webinar archives.

Apart from webinars, AMATYC offers many other professional development opportunities. You can find more information at <https://amatyc.site-ym.com/?page=ProfessDevelopment> . Please take a look at

- Traveling workshops
- Project ACCCESS for mathematics faculty in their first three years of teaching
- Project SLOPE (Scholarly Leaders Originating as Practicing Educators) for faculty interested in research
- AMATYC Publications

Also, get your students involved in mathematics through

- Student Math League (Round 2 for 2017-2018 is February 9 – March 3)
- Student Research League – this is a new initiative that requires AMATYC Faculty Mentors to sponsor a team of one to three mathematics students from their college to participate in addressing a designed research STEM Challenge Problem. The student(s) will have nine days to complete the task; this year the SRL is planned for April 7 – 15, 2018. Team registrations are accepted January 1<sup>st</sup>; all registrations (including applicable fees) must be received by March 15<sup>th</sup>. Registrations must be submitted by faculty members who intend to serve as team mentors. For more information please check <http://www.amatyc.org/page/StudentResLeague> or contact Karen Gaines, AMATYC SRL Coordinator.

I hope you have a great start to the spring 2018 semester (or winter 2018 quarter), and I look forward to seeing many of you at Dean College in April!

Please contact me with any questions or just to introduce yourself at [sophia.georgiakaki@amatyc.org](mailto:sophia.georgiakaki@amatyc.org).

Sophia Georgiakaki  
AMATYC Northeast Vice President

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# Conference Registration Form

New England Mathematical Association of Two Year Colleges

44<sup>th</sup> Annual Meeting – Friday & Saturday, April 6-7, 2018

Dean College – Franklin, MA

Rick Neville, Chair

*Early Registration Discount Date: Monday March 26, 2018*

Register Online at <http://nematyc.info/REGISTER>

NAME \_\_\_\_\_

Preferred Mailing Address \_\_\_\_\_

This address is  
Home \_\_ College \_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Institution/Affiliation \_\_\_\_\_

Which activities do you plan to attend?

<input type="checkbox"/>	Friday Afternoon Sessions	<input type="checkbox"/>	Registration Type (note 1)	Early Fee (Late Fee)
<input type="checkbox"/>	Friday Evening Social **	<input type="checkbox"/>	Full-Time Faculty	\$70 (\$80 after 3/26)
<input type="checkbox"/>	Saturday Morning Sessions	<input type="checkbox"/>	Adjunct Faculty	\$40 (\$50 after 3/26)
<input type="checkbox"/>	Saturday Lunch	<input type="checkbox"/>	Student	\$40 (\$50 after 3/26 $\beta$ )
<input type="checkbox"/>	Saturday Afternoon Sessions	<input type="checkbox"/>	Presenter	Fee waived (note 3)
		<input type="checkbox"/>	Current ACCESS Fellow	Fee waived (note 2)

\*\* Sponsored by Pearson

- (1) Saturday lunch cannot be guaranteed for registrants after March 26
- (2) Includes 1-year NEMATYC membership
- (3) First presenter only in multiple presenter sessions

Would you be willing to be a president? Yes  No

## PAYMENT

Make checks payable to NEMATYC and mail registrations to:

NEMATYC  
Attn: Richard Neville  
Mathematics Department  
Dean College  
99 Main St  
Franklin, MA 02038

Questions? Email Rick Neville at [rneville@dean.edu](mailto:rneville@dean.edu)

**Much Easier for Everybody**

Register Online at  
<http://nematyc.info/REGISTER>

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**Conference Refund Policy:** A refund of 100% of your advance registration fees less the dues amount will be given upon receipt of a written request postmarked no later than two weeks prior to the conference. A 50% refund less the dues amount will be given if written request is postmarked within the two weeks prior to the conference. No refunds for non-attendance will be given for requests postmarked after the date of the conference. All requests should be sent to the NEMATYC Conference Chairperson. Refunds will be processed approximately four to six weeks after the conference.

# Call for Presenters

The call for presenters has been extended until MARCH 12, 2018.

Submit your proposal online at <http://nematyc.info/PROPOSAL/>

*Theme: Applying Mathematics to the Future*

**Topics:** Developmental Programs, Open Educational Resources, STEM starter programs, Data Science in the first two years, Vision Project course revisions, Math for fun, How I teach it, boot camps, using math in other disciplines, online college math labs/math tutoring, online/blended courses, Gateway Programs, teaching techniques and learning styles, cutting edge software/technology, modeling data, service learning, flipped classrooms, emporium classroom or other accelerated classrooms, and K-12 and college collaboration. Don't let this list stop you!

## SOME OF THE PRESENTATIONS FOR NEMATYC 2018

### **Exploring Cryptography with Cryptool**

**Valeria D'Orazio**

**Massachusetts Maritime Academy**

In everyday life, we find ourselves sharing an ever increasing amount of sensitive information online, so much that Internet security is becoming a priority for both businesses and governments worldwide. Cryptography is the science of designing indispensable protection mechanisms for securing data both on and off the Internet.

CrypTool is the world's most-widespread, comprehensive, open-source e-learning educational program in the area of cryptography and cryptoanalysis. The easily approachable graphical user interface, extensive online help, multiple visualizations, analytic tools and algorithms of Cryptool introduce students who have no special knowledge of programming to the field of cryptography. The use of Cryptool facilitates a more interactive learning of cryptography than by many other means.

### **Teaching Probability and Decision Making Theory through the Game of Squash**

**Carly Eckles**

**Dover Sherborn Regional High School**

Pedagogically, one of the most effective ways to raise students' interests, and promote their knowledge, is to provide some relevant examples. In this seminar, we will illustrate the sport of Squash to teach probability-based decision-making theory.

Under the current International Rules of Squash, a player can only earn a point if the player is also the server. If the server loses a rally, they lose the serve and the score remains unchanged. The ultimate goal of each player is to be the first to reach nine points to declare the winner. How do we maximize the chance of winning?

### **Exploring a Holistic Math Pedagogy: An Educator's Experience**

**Dena Feldman**

According to the Occupational Information Network (O\*NET)\*, a "Bright Outlook" is predicted for quantitative occupations in the next decade, including jobs for mathematicians, software developers, and data analysts. To help prevent a workforce gap, math departments at two-year colleges are obviously called to increase student interest in — and success through — their quantitative- and logic-intense coursework.

To help to address this challenge, this talk presents one perspective on "holistic" math pedagogy for two-year college courses. Built on personal experience, the talk outlines methodology, teaching strategies, and tactics to implement this viewpoint.

\*Sponsored by the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA)

### **Collaborative Statistics**

**Jie Frye**

**Bunker Hill Community College**

Students in the honor course will analyze a data set and tell a compelling and insightful story. They will team up with students from another honor course and apply a sociological lens to each story. Students will then present their stories on a poster at the 24th Massachusetts Statewide Undergraduate Research Conference. Results of this collaboration will be presented in my presentation.

## **How can we start a class: Activating Student Thinking**

**Elena Heineke**

**Quincy College**

Teaching mathematics is about facilitating mathematical development. This means that we cannot get all learners to the same landmarks at the same time and in the same way. First activity during the class is very important, in this time students are directed to think and ask questions about the topic they are about to study.

The beginning of a math lesson has the purposes of:

- mentally preparing students for learning by activating prior knowledge
- ensuring that students understand the lesson task and what is expected of them from their work without specifically being told how to do it.

## **Applying AMATYC's Resources to Your Future**

**Judy King**

**NHTI-Concord's CC**

AMATYC, NEMATYC's "parent" has many resources available but few of us are aware how many or what they are. This presentation will try to make sense of them and show how to benefit from their use.

## **Integrated Learning. Leonardo da Vinci: Culture, Art and Math**

**Evelina Lapierre**

**Johnson & Wales University**

At Johnson & Wales University, we offer integrated learning courses. In the Fall of 2017, I debuted a course that I developed that integrates math, art and culture while examining Leonardo da Vinci's life, art and work as a military engineer. After some growing pains, it has become a popular course that runs nearly every term and is also offered in the summer as a study abroad experience in Florence, Italy.

I will share my course syllabus, Johnson & Wales University's definition of integrated learning and our guidelines for developing an integrated learning course.

## **Do You Use Multiple Choice Questions?**

**Magdalena Luca**

**Mass. College of Pharmacy & Health Sciences**

Multiple choice questions are used in many mathematics courses, but some courses are better suited to include such questions on exams. Often, writing good questions is more complex and time consuming than writing open ended ones. In this presentation, I will examine research-based recommendations for writing good such questions, present their advantages and disadvantages of using such questions, and share several examples I use in calculus and statistics. As always, I would like to involve all participants in a discussion about writing good multiple choice questions in math, in the hopes that we can all benefit in the "future" from this exchange of ideas.

## **How I teach nonparametric statistics using Excel**

**Barry Woods**

**Unity College**

Following last year's NEMATYC conference, I will use Excel 2016 to demonstrate two more nonparametric statistics tests – Kruskal-Wallis and Wilcoxon Rank-Sum.

In much the same way that the parametric ANOVA stat can be used to test 3 or more means, ANOVA can also be used to test 2 independent means (instead of the 2-sample t-test).

The nonparametric ANOVA Kruskal-Wallis stat can be used to test 3 or more medians; Kruskal-Wallis can also be used to test 2 independent medians (instead of the Wilcoxon Rank-Sum test).

Two Tests – One Nonparametric Statistic:

1. Kruskal-Wallis
2. Wilcoxon Rank-Sum =  $\sqrt{\text{Kruskal-Wallis}}$

# NOMINATING COMMITTEE REPORT

The NEMATYC Nominating Committee is pleased to present the following slate of officers for the elections to be held at the business meeting, Saturday, April 7, 2018, at the annual conference.

## **PRESIDENT (Two-Year Term)**

### **ALEX COTTER**

Alex Cotter is an Associate Professor of Mathematics at Massasoit Community College. He received his BA in mathematics from Stonehill College and his MA in mathematics from Boston College. He is also a Massasoit Community College graduate. Alex has been involved in mathematics education at Massasoit since 2002, first as a tutor and now as faculty. He has been serving as chair of the Mathematics Department since 2014. Alex has been attending NEMATYC conferences since he was a student at Massasoit and has served as a Member-At-Large and currently as Vice President.

## **VICE PRESIDENT (One-Year Term)**

### **BILLY JACKSON**

Billy Jackson has been teaching at North Shore Community College for six years. He earned Bachelor and Master degrees in Mathematics from Westfield State University and Salem State University, respectively. A recent interest of his is learning R programming and figuring out how to easily bring it into his statistics classrooms. Currently, Billy serves NEMATYC in the role of an At-Large Member.

## **SECRETARY (Two-Year Term)**

### **AUTUMN ALDEN**

Autumn Alden has been a full-time member of the faculty at Bristol Community College since 2013. She is the Developmental Math Coordinator at BCC and currently serves NEMATYC in the capacity of an At-Large Member. Autumn earned her BS in Mathematics from UMass Amherst, her M.Ed in Math Education from UCLA, and her MS in Mathematics from Salem State. She began her teaching at Leuzinger HS (in Lawndale, CA) and then at East Bridgewater HS. She continues to be an adjunct faculty member at Massasoit CC and Bridgewater State. In the past, she has also taught at Fisher College and Bunker Hill CC.

## **MEMBER-AT-LARGE (Two-Year Term, two to be elected)**

### **JOHN MCCOLGAN**

John Joseph McColgan II has been a full-time member of the Roxbury Community College mathematics department since Fall 2011. He currently serves as Math Department Chair, MCCC Chapter President, and as Moderator for the Student Math League at RCC. He is also a current NEMATYC Member At-Large and Student Math League Coordinator. In the past, he has coordinated the Math Clinic, served as a math tutor, and chaired the Scholarship & Honors committee at RCC. Prior to becoming full time, he taught math as an adjunct for 1.5 years at both RCC and Bay State College in Boston. He has a B.S. in Physics and Mathematics from the University of Massachusetts Amherst and an M.A. in Mathematics from Boston College.

Prior to the election, nominations will also be welcomed and accepted from the floor.

**Dave Henry**, Nominating Committee Chair

## The NEMATYC STUDENT MATH LEAGUE RECOGNITION AWARD PROGRAM

by John J McColgan, NEMATYC Student Mathematics League Coordinator

### Award Program

The purpose of the NEMATYC Student Mathematics League Recognition Awards Program is to foster extracurricular mathematics learning opportunities for students through participation in the AMATYC Student Mathematics League (SML). The top-placing student in the AMATYC SML Competition at each school in NEMATYC's region receives a \$100 award. The only criteria is the student must participate in both the Fall and Spring competitions. The top school receives the Lois A. Martin NEMATYC Student Mathematics League Award.

### Highlights and History

Nine NEMATYC schools registered for round one in the Fall. Middlesex Community College had an excellent showing in round one and currently has the third highest score of all schools in the AMATYC Northeast Region with 58.5 points, and is first in the NEMATYC service area. Holyoke Community College is currently ranked second in the NEMATYC service area.

NEMATYC schools had 5 of the top 20 individuals in the AMATYC Northeast region this fall. The highest individual score in NEMATYC's region is Steven Oslan of Middlesex, with a very impressive 24.5, which is third in the Northeast. North Shore Community College's Hung Tran was close behind.

### Join the Fun

The second test of the 2017-2018 competition will be given from Friday, February 9 through Saturday, March 3. If your college does not have a team, please consider joining the spirited rivalry among NEMATYC schools. Your involvement can be as simple as just administering the tests. Or, you might include practice sessions and even advise a campus mathematics club. Your students will thank you for giving them the opportunity to compete. It's still not too late to join the fun! Visit [www.amatyc.org](http://www.amatyc.org), or contact John for more information ([jmccolgan@rcc.mass.edu](mailto:jmccolgan@rcc.mass.edu)).

## NEMATYC 2017-2018 Student Math League Standings After First Round

### Students in Top 20 of Northeast Region

Rank	Student	College	State	Round 1 Score
3	Steven Oslan	Middlesex CC	MA	24.5
4	Hung Tran	North Shore CC	MA	23.5
8	Owen Armbricht	NHTI Concord CC	NH	15
17	Samuel Allen	Holyoke CC	MA	12
18	Matthew Wolanski	Holyoke CC	MA	11.5

### Teams in Top 20 of Northeast Region

Rank	Team	State	Round 1 Score
3	Middlesex CC	MA	58.5
6	Holyoke CC	MA	52
9	NHTI Concord CC	NH	35.5
10	North Shore CC	MA	34
11	Springfield Technical CC	MA	33
12	Quinsigamond CC	MA	25.5
14	Cape Cod CC	MA	15
15	Massasoit CC	MA	10
16	Mount Wachusett CC	MA	9

## 9<sup>th</sup> Annual NEMATYC Fall Dinner Meeting

The 9<sup>th</sup> NEMATYC Fall Dinner Meeting was held at the College of the Holy Cross, Worcester. The featured speaker was **Dr. Sharon Frechette of Holy Cross**. Her topic was Cryptography, focusing on modern aspects such as the role cryptography plays in the privacy and security of online information and transactions.



## NEMATYC at AMATYC 2017 – San Diego, CA



Some of the NEMATYC members who attended AMATYC 2017

### **AMATYC Affiliate Scholarship**

NEMATYC awards its AMATYC Affiliate Scholarship (one free conference registration, worth \$300) at the NEMATYC Spring Conference. At the conference every school in NEMATYC's service area will be in the running to win the scholarship through a raffle held at the lunch meeting. Someone from that school must be in attendance at the business meeting. Each institution will determine the individual recipient, who must be an active AMATYC member. In the spirit of the scholarship priority should be given to first-time attendee.

**YOU are the M in STEM**

You can register for the spring conference at  
<http://nematyc.info/REGISTER>

### **JOIN NEMATYC**

You are a member if you attended the Spring conference last year at Bristol Community College, or if you mailed in your \$10 membership fee, or if you attended the Fall dinner meeting, or if you will be attending this spring's conference.

Not a member?

Join by sending the \$10.00 annual membership fee, payable to NEMATYC, to

Aisha Arroyo, NEMATYC Treasurer  
Middlesex Community College  
591 Springs Road  
Bedford, MA 01730

### **AMATYC Presidential Student Scholarship**

Each AMATYC affiliate may submit one nomination for a \$1,000 scholarship, which is awarded by a drawing (44 affiliates, but not everyone nominates) at the AMATYC conference. Criteria: 1. Nominating institution must have one active member of AMATYC; 2. Minimum student GPA 3.0; 3. Nominated student must be majoring in math (at next school) and enrolled full-time at the nominating institution during the Spring semester.

**Example:** Joe Smith is at Bristol CC this spring and will be transferring to Bridgewater State to study Mathematics and has a GPA of 3.15.

For more information or questions, contact David Henry ([david.henry@bristolcc.edu](mailto:david.henry@bristolcc.edu)).

**NEMATYC EXECUTIVE COMMITTEE – Spring 2018**

**Officers and At-Large Members**

<b>President</b> <b>Robert Cantin</b> MassBay CC RCantin@massbay.edu 508.270.4211                      16-18	<b>Vice President</b> <b>Alex Cotter</b> Massasoit CC ACotter1@massasoit.mass.edu 508.588.9100                      17-18	<b>Past President</b> <b>David Henry</b> Bristol CC David.Henry@bristolcc.edu 508.678.2811 x 3425              16-18
<b>Secretary</b> <b>Meredith Watts</b> MassBay CC MWatts.math@gmail.com 508.270.4264                      16-18	<b>At-Large Member</b> <b>Billy Jackson</b> North Shore CC wjackson@northshore.edu 978.762.4000 x 5579              17-19	<b>At-Large Member</b> Tonka Zelenkova Middlesex CC zelenkovat@middlesex.mass.edu 978.656.3162                      17-19
<b>Treasurer</b> <b>Aisha Arroyo</b> Middlesex CC ArroyoA@middlesex.mass.edu 781.280.3981                      16-19	<b>At-Large Member</b> <b>Autumn Alden</b> Bristol CC Autumn.Alden@bristolcc.edu 774.357.3985                      16-18	<b>At-Large Member</b> <b>John McColgan</b> Roxbury CC jmccolgan@rcc.mass.edu 617.427.0060 x 5210              16-18

**Appointed Positions**

<b>Conference Chair</b> Richard Neville Dean College rneville@dean.edu 508.541.1878	<b>Past Conference Co-Chair</b> <b>Alice Wilson</b> Bristol CC Alice.Wilson@bristolcc.edu 508.678.2811 x 3782              17-18	<b>Past Conference Co-Chair</b> <b>Everilis Santana</b> Bristol CC Everilis.Santana@bristolcc.edu 508.678.2811 x 3740              17-18
<b>Membership Chair</b> <b>Maria Arambel</b> Middlesex CC ArambelM@middlesex.mass.edu 781.656.3126                      16-18	<b>Student Math League Coordinator</b> <b>John McColgan</b> Roxbury CC jmccolgan@rcc.mass.edu 617.427.0060 x 5210              16-18	
<b>Webmaster</b> <b>Mary E. Sullivan</b> Cape Cod CC MSulli01@capecod.edu 508.362.2131                      16-18	<b>Newsletter Editor</b> <b>Philip Mahler</b> Middlesex CC, Retired mahlermath@comcast.net 978.405.2531                      16-18	

**AMATYC Regional Vice President**

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