

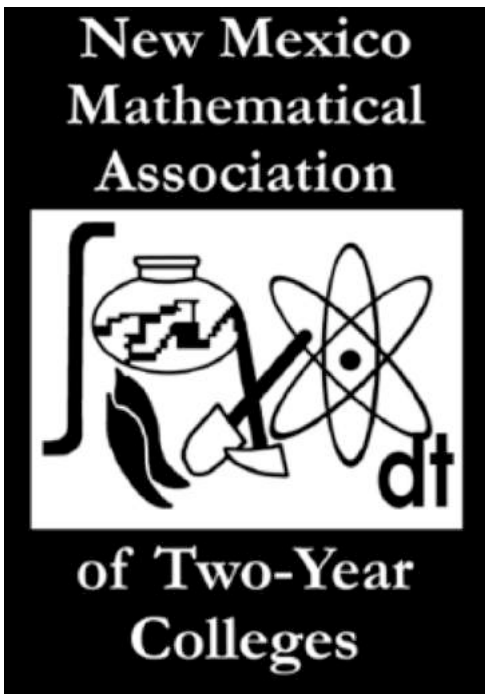
NMMATYC News

New Mexico Mathematical
Association of Two-Year Colleges

Fall 2016

28th Annual NMMATYC Conference
April 7-8, 2017

Doña Ana Community College
Las Cruces, NM



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A Message From the President

- Eva L. Rivera Lebron

Greetings,

Our fall semester is nearly over and Thanksgiving is just around the corner! Hope you are enjoying the beautiful fall colors and nice weather.

First, I would like to thank you for being part of NMMATYC. We had a successful and enriching 2016 NMMATYC Annual conference, and we would have not done it without you.

Now, I would like to introduce you the 2016 – 2018 NMMATYC board members.

7. *NMMATYC Affiliate President:* Dr. Eva L. Rivera Lebrón from Southwestern Indian Polytechnic Institute (SIPI) in Albuquerque, NM.
8. *NMMATYC President-Elect:* Patricia Barrientos from El Paso Community College (EPCC) in El Paso, TX.
9. *NMMATYC Past-President:* Diana Orrantia from El Paso Community College (EPCC) in El Paso, TX. She is presently on medical leave. Please keep her in your thoughts and hearts.
10. *NMMATYC Webmaster:* Dr. Philip Kaatz from Mesalands Community College in Tucumcari, NM.
11. *NMMATYC Treasurer:* Sarah Garde from UNM-Valencia Campus in Los Lunas, NM.

1. *NMMATYC Secretary:* Fernando Falcon from El Paso Community College (EPCC) in El Paso, TX.
2. *NMMATYC/AMATYC Delegate:* Dr. Joanne Peeples from El Paso Community College (EPCC) in El Paso, TX.
3. *NMMATYC Membership Chair:* Arturo Dominguez from Doña Ana Community College (DACC) in Las Cruces, NM.
4. *NMMATYC Nominating Chair:* Elizabeth Gamboa from Doña Ana Community College (DACC) in Las Cruces, NM.
5. *NMMATYC Articulation Chair:* Alyne Fulte from New Mexico State University (NMSU) in Las Cruces, NM.
6. *2017 NMMATYC Conference Chair:* Adrian Delgado from Doña Ana Community College (DACC) in Las Cruces, NM.

Please feel free to contact any of us if you have any questions, concerns, ideas or thoughts that will help to improve the NMMATYC organization.

The annual AMATYC conference is almost here. It will held in Denver, Colorado from Thursday November 17, 2016 through Sunday November 20, 2016. If you have never attended, I encourage you to attend this year. If it is not possible this year, I invite you to enjoy the conference next year, as you will get many useful resources for your classes. If you are attending this year's conference, I hope to see you there.

If you are not a member of AMATYC, you should consider joining the organization as they have many resources available for you. One of these resources and opportunities is the AMATYC's Project ACCCESS, which is available to new full time faculty member (1-3 years) and it provides mentoring and professional development initiative for its participants. The project's goal is to provide experiences that will help new faculty become more effective teachers and active members of the broader mathematical community. If selected, you will attend special sessions at the annual AMATYC conference each fall and will network through the AMATYC Project. For further information please visit the AMATYC website <http://access.matyc.org/> The 28th annual NMMATYC conference will be held at Doña Ana Community College, in Las Cruces, NM on Friday and Saturday, April 7 – 8, 2017. Planning is still in the early stages but as details become available they will be posted on our website, <http://www.nm.matyc.org>. Please consider presenting at 2017's NMMATYC/MAA-SW Joint conference. Share with other fellow instructors your expertise and experience. This will not only be a great professional growing opportunity for you, but also for others. You can also present a poster during our Poster Presentation Session. Additionally, we will be hosting special presentation sessions of students' talks. If you have a student that might be interested, please encourage them to participate and present. If you have any questions about next year's conference, contact our conference chair, Adrian Delgado, anytime at conference@nmmatyc.com. Once again, please plan to attend or to present.

As usual, we are planning to honor our top students at the conference through the Michelle Jimenez Scholarship, the Vicki Froehlich Scholarship, and the Student Mathematics League participants. Please notify your best students of these scholarships and encourage them to apply. Applications will be due in March 1, 2017.

In addition, this year will be granting the Teaching Award and Professional Development Award for a NMMATYC member. Applications will also be due in March 1, 2017. Information and application forms will be available on our website <http://nm.matyc.org>. If you have any questions about any of these scholarships or the professional development award, please contact our nominating chair, Elizabeth Gamboa, anytime at nominating@nmmatyc.com.

Please plan on coming to next year's NMMATYC conference in Las Cruces. Also, invite others to become members of NMMATYC. If you or your colleagues have any questions about becoming and being a member, please contact our membership chair, Arturo Dominguez, anytime at membership@nmmatyc.com.

As always, thank you and hope to see you next year at our 28th Annual NMMATYC Conference. If you have any questions or ideas, please do not hesitate to contact me or any of the board members.

Stay warm,



A Message From The Southwest Vice President

AMATYC is in the process of revising *Beyond Crossroads*, a document of mathematical standards for mathematics during the first two years of college. Forums on the changes will be presented at the AMATYC Annual Conference in San Diego. Teams are currently writing the revision. To find out more information see past issues of the *AMATYC News*, which can be found at the amatyc.org site. Please let me know if you would like to be involved in this project revision.

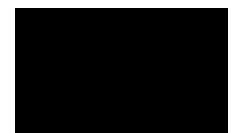
Congratulations to the newest Project ACCESS Fellows from the Southwest Region. They are Preeti Singh from Lone Star College CyFair in Texas and Krishna Thapa Magar from Eastern New Mexico University - Ruidoso, New Mexico. Have you ever thought of running for the AMATYC board? If you have, the deadline for turning in your paperwork is February 1, 2017. The positions that are available are President-Elect, Secretary, and Vice President of the Southwest Region. The election will be September 2017, and the winner will take the office on January 1, 2018. I have really enjoyed being the Southwest VP. I know that you will also find it a rewarding experience. Just so everyone knows, I cannot run for the office again, since there is a term limit. AMATYC has 8 Committees and 4 AMATYC Networks. Please consider joining one of the committees or networks.

A description of each can be found at the AMATYC website. NCTM will hold a regional conference in Phoenix, Arizona, on October 26-28. Consider attending if you are a pre-k through 12 classroom teacher, a math coach, an administrator, a math teacher educator, a preservice teachers, or a math specialist. You can find out more information at www.nctm.org/regionals/.

I hope to see all of you at the Annual AMATYC conference in Denver on November 17-20, 2016.. Remember, there will be a free regional breakfast on Friday morning. Please plan to attend this so you can meet other members of the Southwest region, and to learn about what is happening in AMATYC and in the region.

Kathryn Kozak

AMATYC Southwest VP



What's Happening in El Paso

With financial support from the Prudential Foundation, El Paso Community College has convened Math and Informational Technology content experts and educational leaders from the University of Texas at El Paso and the El Paso Independent School District to form the Prudential Math/IT taskforce.

The purpose of this long-term effort is to identify ways to strengthen and support the quality and efficacy of Math/IT instruction in El Paso schools. The task force collaborated on a gap analysis to identify acute needs in Math and IT instruction and learning, including potential disconnects between secondary and post-secondary student/course objectives, career literacy levels, and opportunities for applied learning.

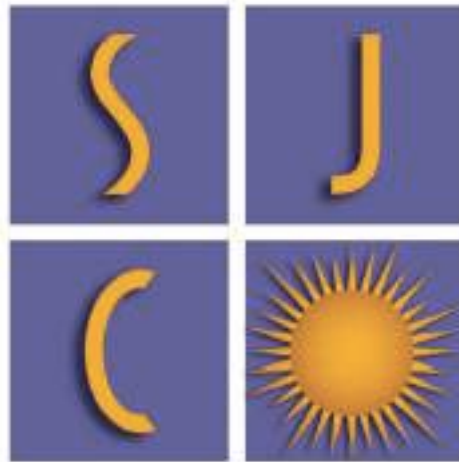
In this next year, using information gathered through the gap analysis, the taskforce plans to design and implement programs for high school students and teachers to support deeper academic and career engagement within Math and IT.

These student programs will be focused on strengthening the academic and experiential learning pipeline for students interested in pursuing Math/IT pathways in post-secondary and career choices. The teacher program will focus on high quality professional development, including the implementation of Math Circles, to help middle and high school teachers engage students in deeper learning and meaningful applications of math.

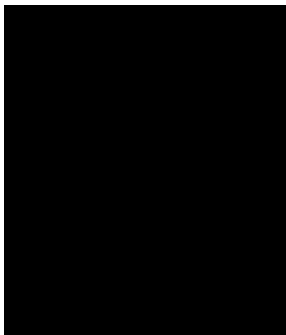


News from San Juan College

Currently in the San Juan College math department we are working with local school districts to develop a transition process from high school math to our institution's college level courses. Math education has a variety of on-going student lead service learning projects within local K-12 classrooms. Math redesign team is actively updating the student learning outcomes within our various courses to align with the New Mexico Higher Education Department's new transfer and general education models. In addition, we are creating co-requisite math courses, with the goal of reducing the number of semesters students stay in developmental math before getting to their degree required math or gateway course.



The 2016 Discovery Festival was a great and successful event. Businesses from around San Juan County were there to show off the math and sciences used in their respective field. The School of Science, Math and Engineering at San Juan College ran a booth to showcase the relationship between golf and mathematics. Putting variation was determined by using the Tangent function and the face angle at impact when trying to make an 8 foot putt. Other activities were to estimate the volume of a golf ball using water displacement and estimating the number of dimples by using the surface area of a sphere formula.



UTEP News



Directed by our department's Dr. Ming-Ying Leung, the interdisciplinary Computational Science (CPS) program (<http://science.utep.edu/computationalscience/>) currently has 41 faculty mentors from the College of Science and College of Engineering and is now searching for a computational scientist with expertise in statistical modeling for big data and high-performance data analytics. The Department also offers graduate certificates (<http://www.math.utep.edu/graduate/>) in two areas: applied statistics and applied and computational mathematics. UTEP was approved by the Society of Actuaries (SOA) to be on the list of UCAP (Universities and Colleges with Actuarial Programs) schools for Exams P and FM. This past year, faculty have chaired conferences such as **the International Sun Conference on Teaching and Learning and the conference on "High Frequency data in Finance and other fields"**.

Dr. Larry Lesser was announced as a 2016 Minnie Stevens Piper Professor, one of ten winners from all (150+) two-year and four-year public and private colleges and universities in Texas. Dr. Joan Staniswalis retired and become a Professor Emerita while Associate Professor Emeritus Dr. Carl Hall (who worked at UTEP for 31 years) passed away January 20, 2016. Finally, undergraduate alumna Gerina (Mendoza) Piller parlayed her command of slopes, angles, velocity, and distance into major success, qualifying for the 2016 Olympics in women's golf and beginning the final 18 (of 72) holes tied for second place, just two shots behind the eventual gold medalist.



Michelle Jimenez Memorial and Vickie Froehlich Memorial Scholarships



If you know of a student that has completed a minimum of 12 credit hours (6 hours must be from a New Mexico or El Paso 2-year college), maintained an overall GPA of 3.2 and a cumulative GPA of 3.5 in all MATH courses, please refer them to the NMMATYC website at <http://www.nm.matyc.org> so that they may apply for both of our available scholarships. Each scholarship is in the amount of \$500.

The deadline to apply is March 1st, 2017.

Any questions email: egambo@dacc.nmsu.edu



Danielle E. Robinson (EPCC)

2016 Vicky Froehlich
Scholarship



Yash Shah (Mesalands CC)

2016 Michelle Jimenez
Scholarship

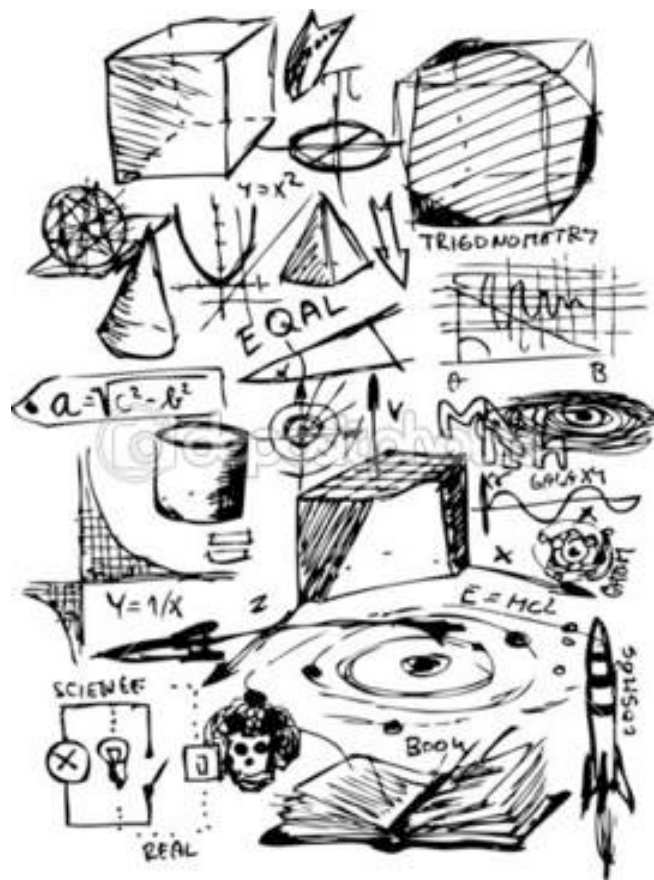
Faculty Awards

Do you have a colleague who teaches mathematics and goes the extra mile, works hard to help students succeed, and doesn't quit? Consider nominating your colleague for the David Lovelock Teaching Excellence Award or the Professional Development Award. Contact information and requirements may be found at

<http://www.nm.matyc.org>

Nominations for these awards will be taken until March 1st, 2017.

Any questions email:
egamboa@dacc.nmsu.edu



Upcoming Conferences

42nd Annual AMATYC Conference
Denver, CO
November 17-20, 2016
www.amatyc.org

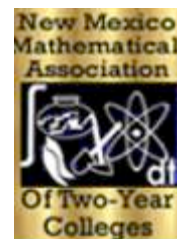


AMS/MAA Joint Meetings
Atlanta, GA
January 4-7, 2017
<http://jointmathematicsm meetings.org/jmm>

NADE 2017 Conference
Oklahoma City, OK
March 1-4, 2017
<http://www.nade2017okc.com>



NMMATYC
Las Cruces, NM
April 7-8, 2017
www.nm.matyc.org



2016-2018 NMMATYC Board

Past – President	Diana Orrantia (EPCC)	
President	Eva L. Rivera Lebron (SIPI)	president@nmmatyc.com
President-Elect	Patricia Barrientos (EPCC)	president.elect@nmmatyc.com
Treasurer	Sarah Garde (UNM Valencia)	treasurer@nmmatyc.com
Secretary	Fernando Falcon (EPCC)	secretary@nmmatyc.com
Newsletter Editor	Adrian Delgado (DACC)	newsletter@nmmatyc.com
Membership Committee Chair	Arturo Dominguez (DACC)	membership@nmmatyc.com
Nominating Committee Chair	Elizabeth (Liz) Gamboa (DACC)	nominating@nmmatyc.com
AMATYC Delegate	Joanne Peeples (EPCC)	delegate@nmmatyc.com
Conference Chair 2017	Adrian Delgado (EPCC)	conference@nmmatyc.com
Web Master	Philip Kaatz (Mesalands C.C.)	webmaster@nmmatyc.com
Articulation Task- Force Liaison	Alyne Fulte (NMSU)	articulation@nmmatyc.com

