

for Women in Science & Engineering

FALL 2017 STATEWIDE EVENTS & IMPORTANT DATES

* 20-22 October 2017, Annual Meeting & Technical Symposium (AM 2017), Silver City, NM

Please plan to join us at this year's annual meeting: a weekend of networking and technical interchange where you will have a chance to present your work in a supportive atmosphere, interact with many incredible New Mexico women, and meet the **2017 IMPACT! Award** winner.

This year's meeting will take place at the Murray Hotel in Silver City, NM, famous for its hot springs and scenic setting. The nearby Gila Cliff Dwellings built in the 1280s creates an opportunity to glimpse into the past and celebrate the Mogollon people.

The meeting begins with a Friday evening reception. Saturday morning is the annual business meeting of the Network – all members are encouraged to attend. The Saturday afternoon technical sessions are an excellent opportunity to present your work in a supportive environment and learn what others in the Network do. Students presenting posters are eligible for a meeting scholarship to cover registration.

Saturday also boasts the conference lunch and presentation of the **2017 NMNWSE IMPACT! Award**. Members are invited to stay through Sunday for the first meeting of the 2017-18 state Board, elected during Saturday's Business Meeting.

The call for papers, registration form, and further meeting details are online at <http://nmnwse.org/AM/>. We encourage you to register and make your room reservations as soon as possible: Murray Hotel, (575) 956-9400.

* Voting is open for the NMNWSE Board

Members of our community are volunteering to serve on the NMNWSE Board!! We are looking for a volunteer for the Vice President/President-elect for the October election, as well Members-at-Large and standing Chair positions. If you are interested in serving on the Board, please contact the Elections Chair via the Board email, NMNWSE_Board-L@list.unm.edu.

* IMPACT AWARD!

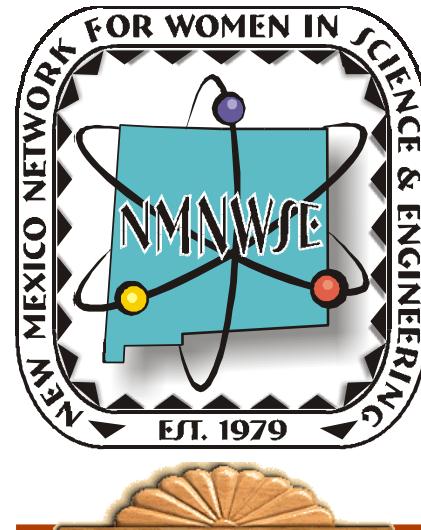
Thank you for the outstanding nomination packets submitted for the 2017 IMPACT Award. This Award works to recognize incredible women who help the next generation get equipped with the right tools and skills to make a difference; to make an **IMPACT!** If you know someone who has truly made a difference in the lives of many, please nominate that person for the **IMPACT! Award**.

For nomination information is located here: <http://nmnwse.org/ImpactAward/>.

The NMNWSE Board welcomes suggestions for women to nominate
for awards and similar recognition from other organizations.
- email your suggestions to NMNWSE_Board-L@list.unm.edu -

* 2017-18 Memberships welcome now

The NMNWSE membership year begins Oct. 1. Current year Memberships are good through the Annual Meeting, allowing you to vote in the upcoming elections, but we encourage you to renew or join for 2017-18 now, so you don't forget. See <http://nmnwse.org/Membership.php> for membership forms and related information.



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for more news, see
nmnwse.org

Contact us at:
NMNWSE_Board-L
@list.unm.edu

NMNWSE Expanding Your Horizons (EYH) Conferences

The NM EYH Conferences are continuing their wonderful traditions of connecting hundreds of young women with hands-on workshops. Incredible professional women and volunteers bring passion and excitement to the world of science, technology, health, engineering, mathematics, and more! And NM women are leading the nation in their creativity and willingness to share their passion.

NM will offer six EYH Conferences again this year, placing us 5th in the nation as the highest number of conferences offered. The year is shaping up to host the following events:

- EYH Carlsbad October 13, 2017
- EYH Santa Fe-fall October 21, 2017
- EYH Albuquerque Jan/Feb, 2018 (TBA) aka Central
- EYH Las Cruces January 20 or 27, 2018
- EYH Santa Fe-spring February 15, 2018 aka Los Alamos, Northern
- EYH Silver City Feb/Mar, 2018 (TBA)

Conference coordinators are continually looking to add new workshops and include even more fantastic volunteers. If you would like to build a workshop and teach young women about your work, a great place to start is on the Techbridge site: <http://techbridgegirls.org/rolemodelsmatter/toolkit/>. The national EYH Network (EYHN) has partnered with this outstanding group who recognize that, "Role Models Matter." The site contains videos and tutorials on everything from, "Sharing About You," to "Choosing a STEM Activity," to "Giving Girls Feedback."

Even as an experienced workshop leader, the Techbridge Toolkit will teach you new ways to connect with and engage the young women who join us! It's an excellent resource for strengthening your personal style and approach, as well as your fellow volunteers. Consider it an online mentoring source!

To contact a conference coordinator and volunteer, visit <http://www.nmnwse.org/eyh/> and contact one of our truly wonderful leaders today!

— Rebecca Galves, NMNWSE state EYH chair, rgalves@cs.nmsu.edu
or via the NMNWSE board at NMNWSE_board-L@list.unm.edu



For details, see
nmnwse.org/eyh



ROLE
MODELS
MATTER

Upcoming EYH Conferences

— Carlsbad EYH, October 13, 2017

Our fourth EYH in Carlsbad will be held on Friday, October 13th at NMSU-Carlsbad with girls bussed in from the middle school. Our exciting event targets girls in the 6th grade Academy and hosts incredible technical women as presenters and volunteers.

"Be the change you want to see in the world." - Ghandi



— Santa Fe-fall EYH, October 21, 2017

The Santa Fe-fall planning committee is actively seeking presenters and other volunteers to help with the SF-fall EYH on Saturday, October 21, at Santa Fe Community College (SFCC). We are planning for up to 200 girls (grades 5-8) to come explore careers in Science, Technology, Engineering, Math, and Computing (STEM-C). The girls will attend two workshops, hear a dynamic speaker, and see a STEM fair. A description of available volunteer positions and sign up form is at <http://www.signupgenius.com/go/20f0c45aaad23a0f49-eyhconference>. If you are interested in volunteering or attending, you may also contact Lina Germann at 505-310-4122, lsgermann@gmail.com.

The Santa Fe-fall EYH Conference is presented by STEM Santa Fe, AAUW Santa Fe, and hosted by SFCC.



The girls' 2016 conference evaluations described EYH as:
Inspiring, awesome, fun, wonderful, and intriguing

It is with great pride and pleasure that the New Mexico Network for Women in Science and Engineering is presenting a special 2017 Lifetime Achievement IMPACT! Award to Dr. Mercedes Agogino. She truly merits this award for her extraordinary career and efforts in furthering the Network's goals of encouraging women to enter into careers in science, technology, engineering, mathematics, and allied professions (STEM-AP). Her lifelong passion and desire to increase the role of women in these fields through support of students in middle school through college is awe-inspiring.



The celebration was held in her honor in Albuquerque on Saturday, June 17, 2017.

Mercedes has been a trailblazer for women, for STEM-AP, and for all underrepresented groups in New Mexico! As a long-time member of the Network, she has participated in many of our efforts over the years. She served as our State Science Fair Awards coordinator for many years. Mercedes enabled us to reward and encourage well over 200 students during this time at both the middle school and high school levels. We are very excited to hold this event in her honor and share her remarkable life and career.



* NMNWSE is honored with *Mission in Action Award*

The New Mexico chapter of the American Association of University Women (AAUW-NM) selected the NMNWSE for the **Mission in Action Award**. The award honors individuals or organizations that support and further the mission of AAUW in the state of New Mexico: to advance equality for women & girls through advocacy, education, research & philanthropy. The NMNWSE was selected for supporting women and girls in STEM fields for almost forty years.

Tinka Gammel received the award for the Network from Sheila Portillo, Awards Chair for AAUW-NM, on April 22, 2017 at AAUW's annual state convention in Los Alamos. A dozen current and former NMNWSE members were in attendance to celebrate.



* 2017 NM Science & Engineering Fair (NMSEF)

Thank you to our community members who served as Judges during the NMSEF held in Socorro, March 31 and April 1, 2017. Results are posted on our homepage, <http://nmnwse.org/>.

"The first New Mexico Science and Engineering Fair (NMSEF) was held in 1952 at the New Mexico Institute of Mining and Technology in Socorro, NM, three years after the first National Science Fair was organized by Science Service. NMSEF accepts the top exhibits from the six regional science fairs in the state. Its objectives are to recognize and reward excellence in science, mathematics, and engineering projects carried out by middle and high school students from throughout the state. Winners at the state level compete in the Intel International Science and Engineering Fair (ISEF) every May. The site for the 2017 ISEF was Los Angeles, CA May 14-19, 2017."

Hiba Muhyi, from Early College High School in Las Cruces, and daughter of board member Rajaa Shindi, placed 4th in her category at the International competition, for her: "RoboGlove: A Design for Engagement and Hedonic Motivation with Visual-Spatial for Deaf and Hearing Impaired Children." **Congratulations, Hiba and Rajaa!**

* Million Women Mentors: Reflections on Girls and Women in STEM

Million Women Mentors (MWM), <http://millionwomenmentors.org/>, is a nationwide movement to fully realize the critical role that mentors often play in the lives of young women. It aligns with NMNWSE's goal to encourage women to enter into, and develop their careers in, science, engineering, and allied professions through an annual technical symposia, outreach, and local chapter activities. Our members serve as community leaders, competition judges, reflective advisors, and so much more. We also provide mentoring at many different levels through various ways.



As girls grow up, they are told they can be anything, work in any job, in any environment and achieve any goals they set for themselves. But as girls enter STEM classes they often feel pushed out by boys and pulled out by female friends and sometimes faculty comments. According to the US Department of Commerce, Economics and Statistics Administration, women make up 50% of the workforce, yet women only account for 24% of the STEM workforce and 50% of women drop out of STEM positions in the first 10 years. However, given that 71% of jobs in 2018 require STEM skills and STEM jobs pay women better, advancing girls and retaining women in STEM is critical.

Working with MWM partner, My College Options, they shared that in 2014 15% of high school female seniors reported they were interested in pursuing a STEM career vs. 44% of boys. Over 70% of girls selected sciences and boys were eight times more likely to select technology and engineering as their area of interest. What was really surprising was that only 4% of the 368,000 girls who plan to pursue STEM said that they were encouraged by a mentor. We also know from the National Mentoring Partnership that only 1:3 college students graduate with a mentor; and therefore we see STEM mentoring as a huge opportunity for our nation.

Please consider adding your name to the list! Our young women in NM will benefit tremendously.

* Updated Membership Types

Help spread the word! Invite your friends and co-workers to join the Network!

The Board is working to keep NMNWSE memberships relevant and attractive for the many different people who connect with our innovative members.

Affiliate Network Membership

Join the Network as an Affiliate Network member and for one year, you will receive all the benefits of Professional membership. The purpose of this membership category is to generate new Professional members through our incredible volunteer network of EYH presenters, assistants, coordinators, and workshop contributors. The Affiliate Network membership option is a one-year, complimentary membership geared towards the EYH volunteer, and interested but busy professional, who wants to explore participation in the Network and the many opportunities associated with Network membership. The Affiliate Network membership is complimentary for one-year. At the conclusion of the year, members in this category are strongly encouraged to roll into another membership category.

Donor-Match Membership

Join the Network as a Donor-Match member and you will receive all the benefits of Professional membership. The purpose of this membership category is to generate new members through our remarkable volunteer network of presenters, assistants, judges, coordinators, and workshop contributors, who have access to a donor-match system through an industry partner. The Donor-Match membership option is geared towards the industry professional, who is able to establish a donor-match fund through an industry partner. This includes the National Laboratories, Intel, etc. Donor-match members will establish a donation (such as \$5.00 over 26 pay periods) submitted to the Network on an annual basis. The membership requires a one-time form to be submitted to the Network Treasurer, for verification and use of funds directives. The rate for Donor-Match membership is highly flexible, but not lower than \$40 per year.

* In the News - NM Science Standards by PED

NM PED is asking for public input to address the release of their updated 6.29.10 NMAC, NM STEM-Ready Science Standards for high school students. View the full document here: <http://www.ped.state.nm.us/ped/PublicNotices.html>.

Many scientists, educators, administrators, industry professionals, organizations, and more, are hailing the standards as an affront to anything that could be considered as "standards." NM PED has removed references to all of the following: evolution, age of the earth, climate change, human impact on the climate, and other references that do not align with the overwhelming consensus of the scientific community. NM students, our children, are at risk.

"Public Comment. Interested parties may provide comment on the proposed repeal and replacement of this state rule (6.29.10 NMAC, New Mexico STEM-Ready Science Standards) at the public hearing or may submit written comments, or both, to Jamie Gonzales, Policy Division, New Mexico Public Education Department, Room 101, 300 Don Gaspar Ave, Santa Fe, NM 87501, or by electronic mail at rule.feedback@state.nm.us, or fax to (505) 827-6681. All written comments must be received no later than 5:00 p.m. (MDT) on the date of the public hearing. The PED encourages the early submission of written comments."

Respectfully submitted by

Rebecca Galves, NMNWSE President, beccagalves@gmail.com
and Mary Jemin, NMNWSE member, mary.jemin@gmail.com

* Help Young Women Find Your Program

STEMconnector®

Enter your event, girl-serving program, EYH Conference, and all STEM events in the STEMconnector® at <http://stemconnector.org/>.

WHAT IS STEMconnector®? STEMconnector®, a Diversified Search company, is a consortium of companies, nonprofit associations and professional societies, STEM-related research & policy organizations, government entities, universities and academic institutions concerned with STEM education and the future of human capital in the United States. It is both a resource and a service, designed to link "all things STEM" through a comprehensive website that connects over 6000 STEM-related organizations in all 50 states across national, state and local STEM entities.

Annual Symposium Registration Form

To register, consider completing the online registration form available on the website and pay via PayPal.

If you submit this registration form, the deadline via mail is October 13. Send a hardcopy with your check to:

NMNWSE, AM 2017, PO Box 51926, Albuquerque, NM 87181.

MEETING ATTENDEE INFORMATION:

First Name: _____

Last Name: _____

Primary Phone: _____

____Day ____Eve ____either

Alternate Phone: _____

____Day ____Eve ____either

Email: _____

date: _____

Mailing address (plus any additional contact info you wish to provide):

CONFERENCE FEES

| No. | Price/ person | Category | Includes |
|---|------------------|---|--|
| ATTENDEE Registration (choose one) | | | |
| | \$40 | Regular | All Technical Sessions and both Receptions, plus snacks and lunch on Saturday. |
| | \$10 | Late Fee | Add after October 4, 2014 |
| ACCOMPANYING PERSON Registration (specify number) | | | |
| | \$30 | Adult, full | Includes receptions and snacks, plus lunch Saturday. |
| | \$10 | under 12, full | Includes receptions and snacks, plus lunch Saturday. |
| | free | Infants (0-2) | We only need the number so we can plan seating. |
| ATTENDEE NMNWSE 2017-18 MEMBERSHIP and Donations. | | | |
| If including membership, and new or your information has changed, please also fill in member form at http://nmnwse.org/Membership.php | | | |
| | \$40 | Regular | |
| | \$10 | Student/teacher/retired/non-employed | |
| | 1 Yr Free | Affiliate | |
| | Match | Donor-Match – requires submission of NMNWSE form to Treasurer | |
| | \$0 | Not paying dues at this time | |
| | +Donation | Supports meeting scholarships and outreach activities | |
| TOTAL PAYMENT | | | |

Name(s) of accompanying persons, if any (used for nametags at reception and dinner).

Accomodations are on your own. Rooms are blocked until October 7 at the Murray Hotel at \$89 per night. Reservations for lodging can be made by calling (575) 957-9400 and mentioning NMNWSE. For more information, visit <http://www.murray-hotel.com/>.

PREFERENCES

Please use the comment space below, or the online interest survey, if you would like to specify additional preferences.

Would you be willing to run for the 2017-18 NMNWSE Board?

yes no maybe

Will you attend the Sunday morning NMNWSE Board Meeting? (1st mtg of 2017-18 board)

yes no maybe

Check if applicable:

- I would like to be contacted about carpooling to the meeting.
 I would like to be contacted about the NMNWSE IMPACT! Award
 I would like to be contacted about helping with EYH Conferences or other NMNWSE outreach

Are you giving a __talk/__poster in the technical session? yes no maybe

If yes or maybe, please indicate draft title and abstract below: (or indicate if already sent to technical chair)

draft title and abstract:

Do you wish to apply for a meeting scholarship? yes no

If applying for a scholarship, please contact the meeting registrar for scholarship status prior to sending your check.

If yes, please provide justification (available to students, teachers, & non-employed members presenting posters, and those with need):

Dietary Restrictions / Special Accommodations Needed / Other Comments: Please enter any additional information you wish us to consider when planning this event (e.g., dietary restrictions, wheelchair access).

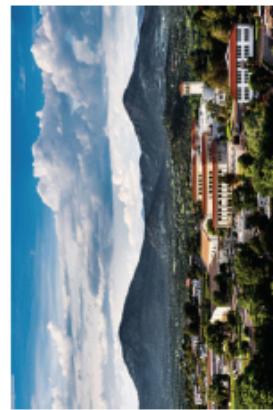
Nominations are no longer being accepted.

Conference Hotel Information:

Murray Hotel

200 W. Broadway Street
Silver City, NM 88061
<http://www.murray-hotel.com>
575/956-9400

Reserve via phone.
The hold on all rooms is thru Oct. 7,
with group code **NMNWSE**.



Reserve
your
room
today!

IMPACT!

The NM Network for Women in Science & Engineering



NM Commission on the
Status of Women

Draft Meeting Schedule:

Friday, Oct 20

6 – 9 pm: Registration & Reception, Murray Hotel

Saturday, Oct 21

9 – 11:30 am: Business Meeting
11:30 – 12 n: Speaker, Celebrate STEM

12 - 1 pm: Lunch & IMPACT! Award Presentation

1 – 1:45 pm: Speakers

2 – 4 pm: Technical Talks

4 – 5:30 pm: Poster Session & Reception

Sunday, Oct 22

8:30 - 11 am: Board Meeting

Call for 2017-18 Board Volunteers:

The NMNWE Board is actively seeking volunteers to run for the 2017-18 Board, elected at the Annual Meeting. We are looking for volunteers to run for at-large positions, plus volunteers for Vice President. If you might be interested, or would like to nominate someone, contact the current board at: NMNWE_Board-L@list.unm.edu. Nominations are due 1 October 2017.

Members may vote online Oct 4 - 18, 2017, or in person at the Annual Meeting.

Science is Women's Work



ANNUAL TECHNICAL SYMPOSIUM
& BUSINESS MEETING (AM 2017)

20-22 October 2017
Murray Hotel
Silver City, NM



2nd Announcement & Call for Papers

<http://nmnwse.org/AM/>

Presented **October 21** at the annual
**TECHNICAL SYMPOSIUM
& BUSINESS MEETING**
<http://nmnwse.org/AM/>

 **NEW MEXICO NETWORK**

P.O. Box 51926 Albuquerque, NM 87181

for Women in Science & Engineering

2017 NMNWSE TECHNICAL SYMPOSIUM & BUSINESS MEETING



<http://nmnwse.org/AM/>
20 - 22 October 2017

Murray Hotel
Silver City, NM

This year's meeting will take place at the Murray Hotel in Silver City, a true gem located in SW NM - art deco elegance with modern comfort. Equal parts Old West heritage with distinct arts and entertainment communities, Silver City is nestled against the 3.3 million acres of the Gila National Forest. See where Geronimo and Billy the Kid laid trails, visit the Gila Cliff Dwellings, enjoy nearby hot springs, or view the 3rd largest open pit copper mine in the world!

Room charges with the NMNWSE group code are \$89, plus tax/fees.

The meeting begins with a Friday evening reception. Saturday morning is the annual business meeting of the Network - all members are encouraged to attend. Lunch will include the **2017 NMNWSE IMPACT! Award** presentation, plus be a joint meal with AAUW-NM members.

A Keynote speaker will follow lunch, in another joint session with AAUW-NM.

The afternoon features member technical talks, followed by a poster session and reception - an excellent opportunity to network, connect, and for members to present in a supportive environment!

Members are invited to stay through Sunday for the first meeting of the 2017-18 State Board, elected at Saturday's Business Meeting.



Online registration is open via the website:
<http://nmnwse.org/AM/register>.

The early registration fee is \$40, and includes receptions, lunch on Saturday, and snacks. Early registration will close 4 October 2017. Registration will continue to be accepted through the meeting date, with an added \$10 after 10/4.

Students, teachers, and non-employed members presenting a poster in Saturday's technical session are eligible for a meeting scholarship to cover the registration fee.

If you have questions, would be willing to help with meeting planning, or would be interested in running for the 2017-18 Board, please fill in the Interest Survey or email the NMNWSE Board.

Space is limited: make your hotel reservations early!
NMNWSE is dedicated to encouraging and assisting women to enter into and succeed in science-based fields by their participation and promotion of professional conferences, educational development, mentoring opportunities, and networking activities.

Call for Papers

We welcome contributed talks and posters for the technical session:

Poster session and reception are **always a hit!**

- Submit abstracts online during the online registration process or via: NMNWSE_Board-L@list.unm.edu.
- Talk abstracts due Oct. 8, 2017
- Poster abstracts due Oct. 8, 2017
- Post-deadline posters accepted if space available.



 **Student, Teacher,
or Not Employed?**
Present a poster to qualify
for a meeting scholarship!
October 7 deadline!

Annual Meeting website & registration:
<http://nmnwse.org/AM/>

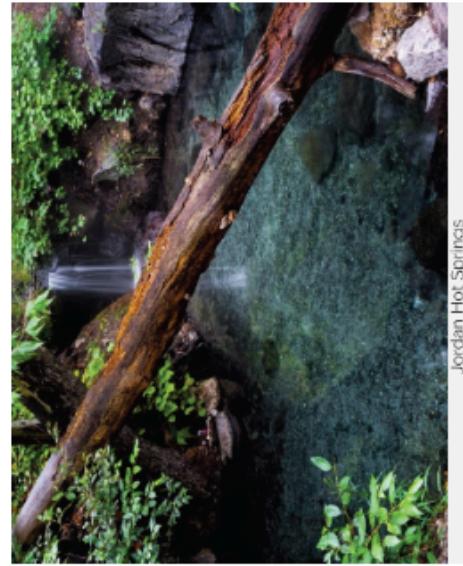
Registration form:
<http://nmnwse.org/AM/register>

NMNWSE home page:
<http://nmnwse.org>

NMNWSE mailing address:

PO Box 51926
Albuquerque, NM 87181

NMNWSE Board e-mail:
NMNWSE_Board-L@list.unm.edu



Jordan Hot Springs