

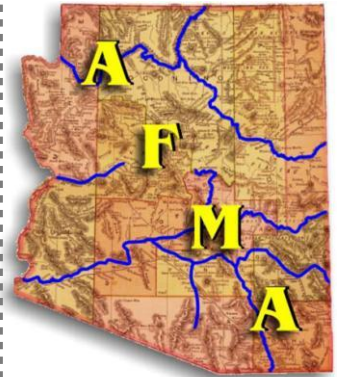
# Arizona Floodplain Management Association Fall 2020 Virtual Conference



## Keynote Speaker – Angelica Hernandez

### **Breaking the Mold**

- ❖ Angelica's heartfelt presentation captures the imagination and inspires us to dream big, persevere, and maximize our potential
- ❖ Featured in the Critically Acclaimed Documentary, *Underwater Dreams* and the IMAX film *Dream Big*
- ❖ Angelica has been recognized as City of Phoenix's Outstanding Young Woman of the Year



## Virtual Conference



October 27-29, 2020

*8:00 am – 12:00 pm*

*Conference Cost: \$150*

**Note: Registration is a two-step process.**

**Step One: Register and pay through the AFMA website as usual.**

[AFMA Payment Portal](#)

**Step Two: Register through GoToWebinar to receive the links to attend the conference.**

[GoToWebinar Registration](#)

## Office Hours with FEMA\*



# FEMA

October 27-28, 2020

*1:00 pm – 5:00 pm*

*\*by appointment only*

**Attention CFMs! Conference has been pre-approved for 9 CECs by ASFPM (3 CECs per day)**

# Arizona Floodplain Management Association Fall 2020 Virtual Conference

Tuesday, October 27<sup>th</sup> Keynote Speaker

## Angelica Hernandez - Breaking the Mold

Featured in the Critically Acclaimed Documentary, *Underwater Dreams* and the IMAX film *Dream Big*

**Angelica Hernandez** shares with audiences a first-hand account of the story that brought renewed national focus to STEM education and inspired the critically acclaimed documentary *Underwater Dreams* and IMAX film *Dream Big*.

With passion, Angelica shares her story of academic perseverance, determination and innate desire to break the mold and succeed against all odds. Her inspiring story has captivated the minds and hearts of thousands of people nationwide and highlights key elements that not only shaped her character and academic aspirations but catapulted her success in achieving a STEM higher education and career.

Angelica's heartfelt presentation captures the imagination and inspires all us to dream big, persevere and maximize our potential.



**Angelica Hernandez** found her unexpected calling when the robotics club at Carl Hayden High School gave her a taste of engineering. Angelica was at Carl Hayden when “Stinky” the robot made his competitive debut, winning a national underwater competition.

Angelica had a lot to grapple with as an undocumented immigrant who came to the U.S. from Zacatecas, Mexico at 9 years old with her single mother. With only a 6th grade education, her mother instilled in Angelica a passion for higher education and a “si se puede” attitude.

Despite many challenges in her pursuit for higher education, she graduated as salutatorian of her high school class and went on to study mechanical engineering at Arizona State University. In 2014, Angelica graduated from Stanford University with a Master's of Science in Atmosphere and Energy and now has an exciting career focused in the field of energy efficiency.

Recognized with numerous awards, Angelica acknowledges she is an example for others who might not think higher education or engineering is in the cards for them. Giving back remains an important part of Angelica's life—and today, she's gratified to serve as a volunteer at competitions similar to the one that thrust Carl Hayden High School into the limelight and the Dream Act.

Angelica has been recognized as City of Phoenix's Outstanding Young Woman of the Year, Arizona State University's Distinguished Graduating Engineering Student and Arizona Magazine 20 Most Inspiring Women.



# Arizona Floodplain Management Association

## Fall 2020 Virtual Conference

	<b>Tuesday</b> October 27 <sup>th</sup>	<b>Wednesday</b> October 28 <sup>th</sup>	<b>Thursday</b> October 29 <sup>th</sup>
<b>8:20 AM</b>	Welcome	Welcome	Welcome
<b>8:30 AM</b>	<b>Keynote Speaker, Breaking the Mold</b> Angelica Hernandez	<b>Cavasson Powerline Channel Design Evolution: Concept to Completion</b> James Taillon, CFM, Wood, Patel & Associates, Inc.	<b>Location, Location... - Meeting Realtors in Their House to Advance Floodplain Awareness</b> Brian Jones, CFM, Pima County Regional Flood Control District
<b>9:00 AM</b>		<b>Waters of the U.S. 2020 Rule: Where Do We Stand</b> Rob Anderson, Fennemore Craig, P.C.	<b>Historic Drainage Investigation and Onsite Improvements for Pyramid Peak Water Treatment Plant</b> Matt Hann, P.E., CFM, Mark Fountain, P.E., CFM, ENV SP, Black & Veatch
<b>9:30 AM</b>		<b>Adapting 1D hydrologic methods for 2D model applications</b> Clark Barlow, P.E., CFM, Atkins North America, Inc.	<b>FEMA's New Agricultural and Accessory Structures Policy</b> Sarah Owens, FEMA Headquarters
<b>10:00 AM</b>	<i>Break</i>	<i>Break</i> <b>AFMA Election Results at 10:25</b>	<i>Break</i>
<b>10:30 AM</b>	<b>Flood Factor</b> Ed Kearns, Mike Amodeo, First Street Foundation	<b>North Carolina Mapping Program</b> John Dorman, AECOM	<b>Cudia City Wash Area Drainage Master Study - Flood Mitigation Alternatives</b> Ron Coupland, EIT; Thirumurugan Bose, P.E., CFM Michael Baker International
<b>11:00 AM</b>	<b>Managing Sediment in a Partially Urbanized Arid Watershed</b> Andrew Daus, CFM, West Consultants, Inc.	<b>Comparison of Bridge Hydraulics and Scour Evaluation by SRH-2D and HEC-RAS 2D</b> Jeff Holzmeister, P.E.; Shimin Zou, Ph.D., P.E., CFM; Daniel Selk, P.E., CFM, J2 Engineering and Environmental Design	<b>Probabilistic Modeling of Dam or Levee Breaches Using RiskRAS</b> Brent Travis, Ph.D., P.E.; Ramesh Chintala, P.E., CFM, D.WRE., WEST Consultants, Inc.
<b>11:30 AM</b>	<b>FEMA Region IX Updates</b> Alison Kearns, FEMA Region IX	<b>Disaster Smart Communities: Bringing Green Infrastructure into Local Hazard Mitigation Plans</b> Xing Liu, FEMA Region IX	<b>Updates on FEMA's New Building Resilient Infrastructure and Communities (BRIC) Grant</b> Lucrecia Hernandez, Arizona Department of Emergency and Military Affairs
<b>12:00 PM</b>	<i>Break</i>	<i>Break</i>	
<b>1:00 TO 5:00 PM</b>	<b>Office Hours with FEMA</b> Michael Bishop, FEMA; Mike Shelton, ADWR *by appointment only Contact Mike Shelton at ADWR to schedule an appointment. <a href="mailto:meshelton@azwater.gov">meshelton@azwater.gov</a> or 602-771-8428	<b>Office Hours with FEMA</b> Michael Bishop, FEMA; Mike Shelton, ADWR *by appointment only Contact Mike Shelton at ADWR to schedule an appointment. <a href="mailto:meshelton@azwater.gov">meshelton@azwater.gov</a> or 602-771-8428	

