

Welcome to AIMS²(HSI-STEM Grant) Meeting # 50



*JD 1568
Feb 23, 2017*

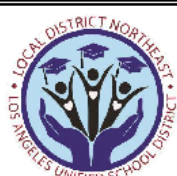


AGENDA

- Welcome and Introductions – Ramesh
- Timelines and Logistics for Interim Report (New 2016 Grant) – Nathan
- CSO Pilot – Gini Vandergon
- Updates on Project Activities and Logistics for new 2016 grant (Short Term – Spring 17)



Save the date!



LOCAL DISTRICT NORTHEAST

STEM Fest
SCIENCE | TECHNOLOGY | ENGINEERING | MATHEMATICS

Come join the fun and learn about STEM education!

- Compete in engineering challenges!
- Enjoy school robotics demonstrations!
- All school stakeholders (parents, teachers, students, etc.) are invited to attend.
- School teams are encouraged to showcase the work they are doing in STEM education.

Date: Saturday, April 22, 2017

Time: 10:00 a.m. - 1:00 p.m.

Location: Roy Romer Middle School
6501 Laurel Canyon Blvd
North Hollywood, CA 91606

*A colleague from
LAUSD is looking for
faculty and students to
participate in their
STEM Fest on April 22.
I was wondering if you
had any interested
faculty that might be
able to participate.*

Prof. Ivan Cheng



You Are Invited!

See STEM In Action!

A Can't Miss Event!

Be Inspired!



Welcome to the first ever Santa Clarita Valley Student STEM Showcase (S³)! Join us for lunch on Tuesday, March 7, 2017 at Emblem Academy. You will have the opportunity to interact with students from the Saugus Union School District, William S. Hart High School District, College of the Canyons, and Cal State Northridge about their hands-on STEM experiences.

Over the past four years, in collaboration with the Regional Director of Information and Communication Technologies, we have been developing a kindergarten through college STEM pipeline to provide students a pathway to actively engage in 21st century learning.

These pathways include:

- Computer Networking
- Engineering
- Computer Science
- Advanced Technologies/Manufacturing



Keynote Speaker

Maria Blue, teacher and member of the California Science Framework and Evaluation Criteria Committee (CFCC), will talk about the implementation of the new Next Generation Science Standards (NGSS) and how they have a positive impact on preparing our students for college and career readiness in the STEM fields.

We know that your time is valuable and we greatly appreciate the opportunity to have you join us for the afternoon. You will be amazed by what our students are doing in STEM education. We are building for the future, now come see us in action!

EMBLEM ACADEMY - MARCH 7, 2017

Student STEM Showcase Agenda	
12:30-1:00	Lunch & Keynote Speaker
1:00-1:30	Observe and interact with student representatives
1:30-2:00	Tour Emblem Academy STEMinars (Hands-on STEM seminars)
2:00-2:15	Wrap-up

Register for the STEM Showcase by clicking [Here](#) or <http://sccrcolleges.org/s3>



For additional information or for questions, please contact:
 Paula Hodge @ 661-362-5108 or (e-mail: paula.hodge@canyons.edu)
 Jon Baker @ 661-294-5315 or (e-mail: jbaker@saugusisd.org)

**Emblem Academy 22635 Espuella Drive, Saugus, California 91350
 (661) 294-5315**



GET INVOLVED TODAY BY THE BOND
Doing What MATTERS™
 FOR BUSINESS AND INDUSTRY



Dear CECS Colleagues,

*You are cordially invited to attend the
 STUDENT STEM SHOWCASE on March
 7th (see attached flyer).*

*I hope that you can nominate/select
 students who will showcase their
 Engineering and Computer Science
 projects at this first -of -its -kind STEM
 academic pipeline event to be held at
 EMBLEM STEM Academy in Saugus and
 will feature students' achievements from
 CSUN to College of the Canyons- Saugus
 High School-Arroyo Seco Jr. High, West
 Creek Academy and EMBLEM.*

Prof. Susan Belgrad



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CSUN

- Status of recruitment plans/logistics for new CSUN cohorts – Bob Ryan
- Status of MATH 150A/L Pilot (Spring 17) – Kellie Evans, Gini Vandergon
- Glendale Community College – Jan Swinton, Scott Rubke, and Marisela Canela
- College of the Canyons – Amy Foote and David Martinez



Student Selection : CSUN

- To be eligible, STEM majors must be an individual who has faced or faces social, cultural educational or economic barriers to careers in STEM and be a US Citizen or Permanent Resident.
- Application including Essay and Interview
- Enroll and complete a minimum of 30 units/year and passing all courses with grades of C or better
- All students eligible to receive \$ 500 towards textbook awards annually upon meeting requirements
- Selected students eligible to participate in paid UG research activities (30-32/year)
- Tutors and Peer Mentors (Up to 10/year)



Column1	Year 1	Year 2	Year 3	Year 4	Year 5	Total funded over 5 Years
FTF	20	20	20	10		
Running Totals	20	40	60	70	70	260
FTT	30	30	30	30		
Running Totals	30	60	60	60	30	240
Annual	50	100	120	130	100	500

- Year 1 FTF cohort to be formed in spring 2017
- Invitations will be sent to eligible FTF who joined the college in fall 16.
- Year 1 FTT cohort to be formed in fall 2017
- Invitations will be sent to eligible FTT who joined in 16-17 (fall 16, spring 17, fall 17)



California State University
Northridge

College of Engineering and Computer Science

HSI STEM Grant Application

Last Name*		First Name*		Middle Initial*	
Mailing Address*			City*		Zip Code*
Phone #*		CSUN ID*		Gender*	
Email Address*			Major*		
Citizenship Status*					
Ethnic Background*			If Multicultural (Please Specify)		
Please list CSUN courses you are currently enrolled in Fall 2016					
1	2	3	4	5	6
Please list non-CSUN courses you are currently enrolled for Fall 2016					
Name of non-CSUN institution					
1	2	3	4	5	6
CSUN GPA (If Applicable)		Transfer GPA		Total GPA	
Are you planning to maintain full-time (12 units) status at CSUN for the next two years?					
Are you the first person in your family to go to college?					
Are you currently working?					
If yes, how many hours per week?					
Company Name	Location	Job Title	Beginning and End Dates		
Are you receiving financial aid this year?					
If yes, check all that apply:					
Pell Grant <input type="checkbox"/>	Cal Grant <input type="checkbox"/>	Student Loans <input type="checkbox"/>	Other <input type="text"/>		
Family Income					
Are you a CSUN EOP student?					
Please answer the following questions listed below including all pertinent material in 50 words or less. The quality and content of your responses will play an important role in determining your eligibility for the HSI-STEM Grant program.					
1. What are your educational and career goals?					
<input type="text"/> <input type="text"/> <input type="text"/>					
2. Are you involved in any extra-curricular/volunteer/service activities? Please provide a description.					
<input type="text"/> <input type="text"/> <input type="text"/>					
3. If you are employed, please describe your responsibilities.					
<input type="text"/> <input type="text"/> <input type="text"/>					



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- Pierce College – Margaret Wessling and Elizabeth Cheung
 - Moorpark College – Scarlet Relle
- Summer 17
- Summer Research Projects for Cohort Students
 - FTF Math workshops – Kellie Evans, Gini Vandergon, Anwar Alroomi, Ruting Jia, Susan Belgrad, and Bob Ryan



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FTF Math Workshops (Summer 17)

- Goal is to support and accelerate students' progress through Math sequence.
- MSA for all FTF students
- Placement in Math 102 determined by ELM test performance
- Course is online. Exploring weekly 3 hour labs with tutoring support
- Improve student retention and ultimately graduation rates for CECS Majors



Domestic Students in all CECS Majors except CIT and CM - First Semester Math													
	Fall 12	Fall 12	Fall 12	Fall 13	Fall 13	Fall 13	Fall 14	Fall 14	Fall 14	Fall 14	Fall 15	Fall 15	Fall 15
	N	Passed	Not Passed	N	Passed	Not Passed	N	Passed	Not Passed	N	Passed	Not Passed	
Math 0092	18	10	8	25	19	6	21	15	6	23	16	7	
Math 0093	59	48	11	78	41	37	69	48	21	99	61	38	
Math 102	124	72	52	207	103	104	241	83	158	310	155	155	
Math 103	0	0	0	6	5	1	9	5	4	4	3	1	
Math 104	3	2	1	5	2	3	3	1	2	5	2	3	
Math 105	19	12	7	23	18	5	24	17	7	42	24	18	
Math 150A	63	46	17	90	66	24	75	56	19	66	48	18	
Math 150B	22	17	5	27	18	9	30	19	11	40	32	8	
Math 250	8	7	1	4	4	0	9	6	3	7	6	1	



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- Study Skills/Orientation workshop – Anwar Alroomi, Jimmy Gandhi, Vidya Nandikolla, Bruno Osorno, Behzad Bavarian, Ruting Jia, Bingbing Li
- Adjourn



Study Skills/Orientation workshop (Summer 17)

- Who: Faculty mentors and their assistants
- What:
 - Peer mentoring,
 - Design and provide Customized Workshops to help CECS FTF students,
 - Online video tutorial
- When: A week long program during summer orientation



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Meeting Calendar for Spring 2017

✓ *Jan 19, 2017**

✓ *Feb 23, 2017**

• *Mar 16, 2017**

• *April 20, 2017**

• *May 18, 2017**

***Monthly meetings above are scheduled from 1 PM – 3 PM in JD 1568.**

• *June 8, 2017 or June 15, 2017***

**** External Advisory Committee Annual Meeting – Year 1 – Orange Grove Bistro: 12 Noon – 3 PM (luncheon followed by meeting)**