



***Welcome to AIMS² (HSI-STEM Grant)- Meeting # 90
 Nov 12, 2020, 1 PM – 2:30 PM***





AGENDA

- Welcome and Information Items – Ramesh
- Meetings calendar for fall 2020/spring 2021
- Preliminary program outcomes (Mentor Collective) – Time certain **1:10 PM**



AGENDA – Information Items

- Virtual “Open House” for students from partner community colleges (December – date TBD)
 - “Tour of Labs” – All students register and preview prior to synchronous event
 - Overview of program and panel discussion with peer mentors
- CSU System wide HSI-STEM program – December 10th (10 AM – 11:15 AM)
 - Introduction of panelists and overview of AIMS² – Ramesh (**5 minutes**)
 - Adapting to online modalities and interaction with cohort – Tzong-Ying (Kay) Hao (CSUN) and Amy Foote (CoC) (**20 minutes**)
 - Student support services – Josefina Gudino (**10 minutes**)
 - Student/Peer Mentor Perspective – Ashley Kuhnley (**10 minutes**)



AGENDA – Information Items

- Virtual “Open House” for students from partner community colleges (December – date TBD)
 - “Tour of Labs” – All students register and preview prior to synchronous event
 - Overview of program and panel discussion with peer mentors
- **CSU System wide HSI-STEM program – December 10th (10 AM – 11:15 AM)**
 - Introduction of panelists and overview of AIMS² – Ramesh (**5 minutes**)
 - Adapting to online modalities and interaction with cohort – Tzong-Ying (Kay) Hao (CSUN) and Amy Foote (CoC) (**20 minutes**)
 - Student support services – Josefina Gudino (**10 minutes**)
 - Student/Peer Mentor Perspective – Ashley Kuhnley (**10 minutes**)



Meetings Calendar for Fall 2020

- ✓ *Aug 20th, 2020*
- ✓ *Sep 10th, 2020*
- ✓ *Oct 8th, 2020*
- ✓ *Nov 12th, 2020*

All meetings on Zoom online

- ***December 10th, 2020***

Monthly meetings above are scheduled from 1 PM – 3 PM

- ✓ *Aug 28th, 2020* – Orientation for Cohort 5 (3 PM – 5 PM)
- ***April 2021***– Annual Research Symposium, TBD



Meetings Calendar for Spring 2021

- *January 14th, 2021*
- *February 11th, 2021*
- *March 11th, 2021*
- *April 8th, 2021*
- *May 13th, 2021*

All meetings on Zoom online

Monthly meetings above are scheduled from 1 PM – 3 PM

- *April 2021*– Annual Research Symposium, TBD
- *Week of June 7th* – Tenth annual external advisory committee meeting



AGENDA

- Welcome and Information Items – Ramesh
- Meetings calendar for fall 2020/spring 2021
- **Preliminary program outcomes (Mentor Collective) – Time certain 1:10 PM**



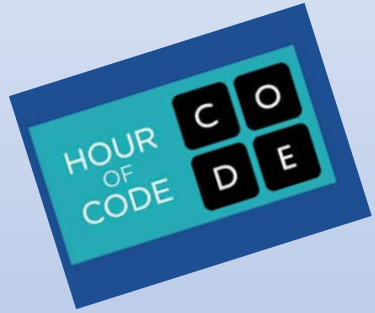
AGENDA

- Supplemental award (AIMS² Future Teachers in STEM) status update
- Project implementation and timelines – Susan Belgrad
- Project Assessment and Evaluation – Nathan
- Project Activities and plans for 2020-21 – Updates from CC Project Partners
 - College of the Canyons – Amy Foote
 - Glendale Community College – Chris Herwerth
 - Moorpark College – Trevor Hess
 - LA Pierce College – Elizabeth Cheung
 - CSUN: Virtual “Open House” – Josefina and Ramesh



Beginning Your Teaching Career As an Inclusive STEM Educator

Dr. Susan Belgrad and Dr. Nathan Durdella
 CSUN AIMS² Future STEM Teachers and
 Professor S.K. Ramesh, Director, AIMS²



The Ten Scholars are working with K-12 educators who lead the T and E in STEM learning in their schools. Scholars have been assigned mentors (in addition to student teaching mentors) while they complete teacher credentialing. They also participate in the continuing CANVAS discussions and a focus group until the end of Spring semester, 2021.



Candidate	Mentor	School Name/Address
Carmen Solis	Parker, Susan	James Madison MS/ North Hollywood
Kelly Lourcey	Lorie Belateche	Carpenter
Maria Sklar	Dan Reidinger	Reseda HS
Jackie Sanchez	Tripp Reed	Harvard Westlake School/ Los Angeles
Amore' Thompson	Elizabeth Lester	James Madison MS/ North Hollywood
Cheyenne Zazula	Oscar Rios	Sylmar Leadership
Amelia Lopez	Lauren Varon	Carpenter
Tatyanna Smith	Jennifer Nishimoto	Fenton Charter
Stephanie Nguyen	Gaby Arroyo	Fenton Charter
Joseyln Del Angel	Sergio Millan	Pacomima Charter

1 Carmen Solis	Single Subject
2 Joseyln Del Angel	Single Subject
3 Amore' Thompson	Single Subject
4 Kelly Lourcey	Single Subject
5 Stephanie Nguyen	Single Subject
6 Amelia Lopez	Multiple Subject
7 Cheyenne Zazula	Multiple Subject
8 Tatyanna Smith (Brown)	Multiple Subject
9 Maria Sklar	Multiple Subject
10 Jackie Sanchez	Single Subject



AGENDA

- Supplemental award (AIMS² Future Teachers in STEM) status update
- Project implementation and timelines – Susan Belgrad
- Project Assessment and Evaluation – Nathan
- Project Activities and plans for 2020-21 – Updates from CC Project Partners
 - College of the Canyons – Amy Foote
 - Glendale Community College – Chris Herwerth
 - Moorpark College – Trevor Hess
 - LA Pierce College – Elizabeth Cheung
 - CSUN: Virtual “Open House” – Josefina and Ramesh



AGENDA

- Supplemental award (AIMS² Future Teachers in STEM) status update
- Project implementation and timelines – Susan Belgrad
- Project Assessment and Evaluation – Nathan
- Project Activities and plans for 2020-21 – Updates from CC Project Partners
 - College of the Canyons – Amy Foote
 - Glendale Community College – Chris Herwerth
 - Moorpark College – Trevor Hess
 - LA Pierce College – Elizabeth Cheung
 - CSUN: Virtual “Open House” – Josefina and Ramesh



College of the Canyons update

- Weekly check ins with students
- Encouragement is needed at this time many students struggling with the online format and instructors teaching methods/lack of instruction. It is becoming very apparent that both instructors and students are struggling.
- We needed to expand our tutoring for our students which stretching our budget.
- We have had a very robust schedule of professional development for our students to prepare for internships, resume writing and transfer prep.
- Working with our transfer center to get all students CSU/UC applications completed.
- We had 12 students attend SHPE and currently I have 20 students attending the MESA Student Leadership Conference.
- Our SHPE Chapter presented and did a demo at our biannual STAR Party.
- Working with Josephina for a virtual lab experience.



AGENDA

- Supplemental award (AIMS² Future Teachers in STEM) status update
- Project implementation and timelines – Susan Belgrad
- Project Assessment and Evaluation – Nathan
- Project Activities and plans for 2020-21 – Updates from CC Project Partners
 - College of the Canyons – Amy Foote
 - Glendale Community College – Chris Herwerth
 - Moorpark College – Trevor Hess
 - LA Pierce College – Elizabeth Cheung
 - CSUN: Virtual “Open House” – Josefina and Ramesh



AGENDA

- Supplemental award (AIMS² Future Teachers in STEM) status update
- Project implementation and timelines – Susan Belgrad
- Project Assessment and Evaluation – Nathan
- Project Activities and plans for 2020-21 – Updates from CC Project Partners
 - College of the Canyons – Amy Foote
 - Glendale Community College – Chris Herwerth
 - Moorpark College – Trevor Hess
 - LA Pierce College – Elizabeth Cheung
 - CSUN: Virtual “Open House” – Josefina and Ramesh



AGENDA

- Supplemental award (AIMS² Future Teachers in STEM) status update
- Project implementation and timelines – Susan Belgrad
- Project Assessment and Evaluation – Nathan
- Project Activities and plans for 2020-21 – Updates from CC Project Partners
 - College of the Canyons – Amy Foote
 - Glendale Community College – Chris Herwerth
 - Moorpark College – Trevor Hess
 - LA Pierce College – Elizabeth Cheung
 - CSUN: Virtual “Open House” – Josefina and Ramesh



LA Pierce College Update

- We hosted an Engineering Transfer workshop on Oct. 30 and had approximately 30 attendees. Our Transfer Center director presented on all-things transfer specific to engineering, and students had a chance to ask questions.
- This Friday, 11/13, we will be hosting an Engineering Transfer Student Panel, where students who have transferred from Pierce to a university engineering program will share their experiences before/during/after transfer. We currently have panelists confirmed from CSUN, UCLA, Cal Poly Pomona, and UC Irvine, majoring in mechanical, civil, and chemical engineering. I sent an invitation to our AIMS partner CCs in case they have students who would like to attend.
- Tutoring in statics, engineering graphics/CAD, physics, and calculus is ongoing, virtually.
- Rebecca, our CGCA is continuing to support students as a STEM transfer mentor, and is supporting our transfer center counselors.



AGENDA

- Supplemental award (AIMS² Future Teachers in STEM) status update
- Project implementation and timelines – Susan Belgrad
- Project Assessment and Evaluation – Nathan
- Project Activities and plans for 2020-21 – Updates from CC Project Partners
 - College of the Canyons – Amy Foote
 - Glendale Community College – Chris Herwerth
 - Moorpark College – Trevor Hess
 - LA Pierce College – Elizabeth Cheung
 - CSUN: Virtual “Open House” – Josefina and Ramesh



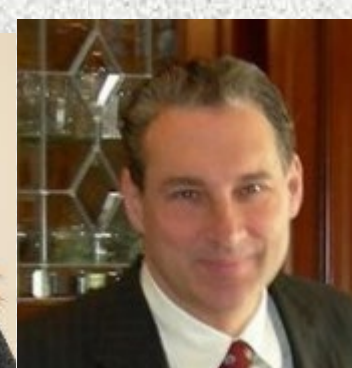
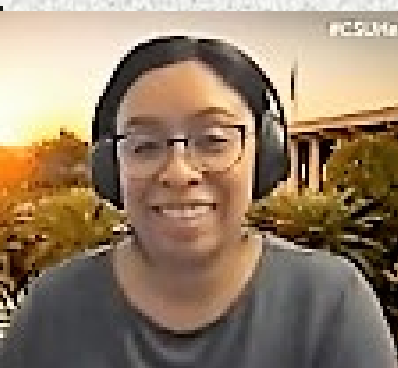
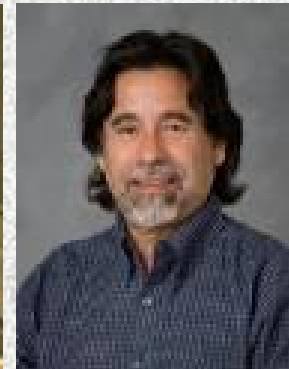
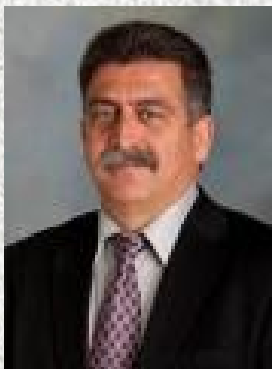
AGENDA

Action Items

- Fall 2020 – Spring 2021 Research Program and plans for Spring 2021 symposium*
- Reports from Faculty Mentors on cohort meetings**
- Adjourn



The AIMS² Project - Attract, Inspire, Mentor, and Support Students Fall 2020 Research Program- Faculty/Staff Team





Fall 2020-Spring 2021 Research Program

Faculty Mentor	Project	Student Name	Maximum RA hours/week
Bingbing Li	Digital Twin and Metal Additive Manufacturing of Harley Davidson Engine CAM Support	Andrew Langwald	5
		Jason Kim	5
		Abraham Meiszner	5
John Valdovinos	Numerical Models of Magnetocardiogram Field Sensors	Ashley Kuhnley	3
		Samuel Garza	3
Bruno Osorno	Modeling and Simulation of Electric Vehicles-Solar Energy-Battery systems	John Dizon	3 hours - 5 hours
		Farouk Mostafa	3
		Lucia Castillo	
Behzad Bavarian and Lisa Reiner	Corrosion protection of Aluminum alloys used in Automotive Industries	Beatriz Acuna	5
		Emily Rossiter	
		Christopher Villalpando	3 hours - 5 hours
Behzad Bavarian and Lisa Reiner	Improving the durability of packaging materials using environmentally friendly vapor phase corrosion inhibitors		
Tzong-Ying(Kay) Hao	Analysis of Strong Ground Motions and its Application to Earthquake Early-Warning Systems	Luke Barella	3
		Alex Leong	5
		Jessica Perez	
Kyle Dewey	Sentiment Analysis of Tweets	Joshua Alvarado	3
		Fernando Vargas	3
		James Bentley	3
Kyle Dewey	Adding Features to the Proteus Programming Language	Marcello San Agustin	3
Kyle Dewey	Evaluating Test Suite Generation Techniques for Introductory Computer Science Assignments		



AGENDA

Action Items

- Fall 2020 – Spring 2021 Research Program and plans for Spring 2021 symposium*
- Reports from Faculty Mentors on cohort meetings**
- Adjourn



Cohort Roster (1 of 5)

Aram Khachatourians		
Armando	Briseno	F-2
Ashley	Frisch	F-4
Cristina	Rubalcava	T-4
Garabed	Simitian	F-3
Henry	Reed	F-2
Jason	Marroquin	F-4
Kareem	Asal	T-4
Kathleen	Molina	F-3
Lesly	Custodio	T-4
Levi	Velasquez	F-2
Adrian	Santamaria	T-5
Daniela	Sanchez	T-5
Heather	Reyes	T-5
Matthew	Awad	T-5
Matthew	Culajay	T-5

Behzad Bavarian		
Anthony	De Leon	T-4
Christopher	Villalpando	T-3
Daniel	Olvera	T-3
Emilio	Aguilar	T-4
Fatima	Serrato	F-3
Hanna (Ritc	Zelaya	F-1
Hugo	Garcia	T-4
Ismael	Pablo	T-2
Jayshawna	Jones	T-1
Meroujan	Bagdadian	T-5
Marcello	San Agustin	T-3
Jasmin	Ortiz	T-5
Stefany	Fuentes Melgar	T-5
Verania	Ceja Franco	F-2
Steve	Gonzalez	T-5



Cohort Roster (2 of 5)

Ruting Jia		
Areesha	Hussain	F-4
Frank Joseph	Serdenia	T-4
George	Lopez	F-4
Jairo	Zelaya	T-4
Jake	Lyon	T-3
Joshua	Alvarado	F-4
Kaylee	Pham	T-4
Lousia	Manoael	T-4
Meyer	Millman	F-3
Miles	Rodas	F-4
Pedro	Moran	F-4
Simran	Gill	T-4
Tiffany-Ziba	Haghighi	F-3
Kelvin	Martinez	T-5

Kay Hao		
Ezekiel	Castelo	T-5
Aaron	Palacios-Romero	T-3
Ariana	Oliva	T-5
Andrew	Langwald	F-2
Gerardo	Reyes	F-3
Peter	Messiha	F-3
Richard	Gomez	F-3
Roobina	Deravanesian	T-2
Alexander	Rivera	T-4
Elizabeth	Esquivel	T-4
Jennifer	De Avila	T-4
Kathleen	Lee	T-4
Richard	Rivas	T-4
Tracy	Albers	T-4



Cohort Roster (3 of 5)

Bingbing Li		
Abraham	Meiszner	T-4
Andy	Sanchez	F-3
Anthony	Vasquez	F-3
Christian	Mariscal	F-1
Eswin	Amaya	F-3
Andrew	Ramirez	T-5
Deion	Shallenberger	T-5
Jason	Kim	F-3
Gerardo	Baron Diaz	T-5
Randy	Herrera	T-5
Tomothy	Tran	T-5
Megan	Ngo	F-3
Noe	Diaz	T-4

Bruno Osorno		
Beatriz	Acuna	F-1
Caesar	Albizures	F-4
Albert	Rivas	T-5
Erica	Garcia	F-4
Fernando	Landeros	F-3
Cesar	Villa	T-5
Damien	Lopez	T-5
Hector	Mata	T-4
Faizan	Hussain	T-5
Jessirae	Bufford	T-5
John	Dizon	T-4
Jose	Cervantes	F-3
Joshua	Salas	F-4
Yolanda	Camarena	T-5
Samuel	Garza	T-3



Cohort Roster (4 of 5)

John Valdovinos		
Alan	Cruz	F-2
Armando	Herrera	F-2
Bryan	Lam	F-3
Alyssa	Tompkins-Webb	T-5
Francisco	Ramos	T-4
Jozsef	Feher	T-5
Kyle	Rietta	T-3
Nuelbella	Sandoval	F-3
Osmar	Estrada	T-3
Rhani	Kahn	F-3
Jessica	Frederich	T-5
Rojelio	Bejar	T-4
Luis	Ochoa	T-5
Maria	Zinkewich	T-5
Robert	Salone	T-5

Kyle Dewey		
Briana	Pimentel	F-3
Diego	Barreto	T-3
Eileen	Quiroz	F-2
Emmanuel	Galindo Cisneros	F-3
Fernando	Vargas	F-3
Isaiah	Martinez	F-3
Jennifer	Glover	T-4
Josue	Vega	T-3
Kavya	Manohar	F-2
Miguel	Hernandez	F-4
Mimi	Schirm	T-4
Rocio	Zavala	F-2
Samantha	Ramirez	F-4
Samuel	Ochoa	F-1
Victor	Pineda	T-3



Cohort Roster (5 of 5)

Ali Amini		
Alireza	Bahmanabadi	T-2
Mehi	Miri	T-5
Ashley	Kuhnley	T-4
Sabrina	Motto	T-5
Elvis	Chino-Islas	F-3
Freddy	Nunez	F-1
Giovanni	Martinez	T-3
Gloria	Santamaria	T-4
Kimberly	Ortiz	F-3
Lavar	Watkins II	F-4
Luis	Rivera	F-2
Marian	Giron	T-3
Javier	Valle	T-5
Mario	Giron	T-5
Suzanne	Fisher	T-5
Sopuruchukwu	Udeh	F-2

Anwar Alroomi		
Alexis	Sierra	F-2
Leonard	Fitzpatrick	T-5
Oscar	Lopez Bahena	T-5
Cristian	Gutierrez	T-2
Debbie	Altamirano	T-4
Emmanuel	Ayala	T-3
Evelyn	Villalobos	T-4
Iris	Guerrero Morales	F-4
Jonathan	Salcedo-Manriquez	T-4
Juan	Espericueta	F-3
Luis	Flores	F-4
Mauricio	Rodriguez	T-3
Omar	Ponce	T-3
Ronaldo	Preciado	T-4
Teny	Shahjahanian	F-2
Marleny	Lopez	T-5