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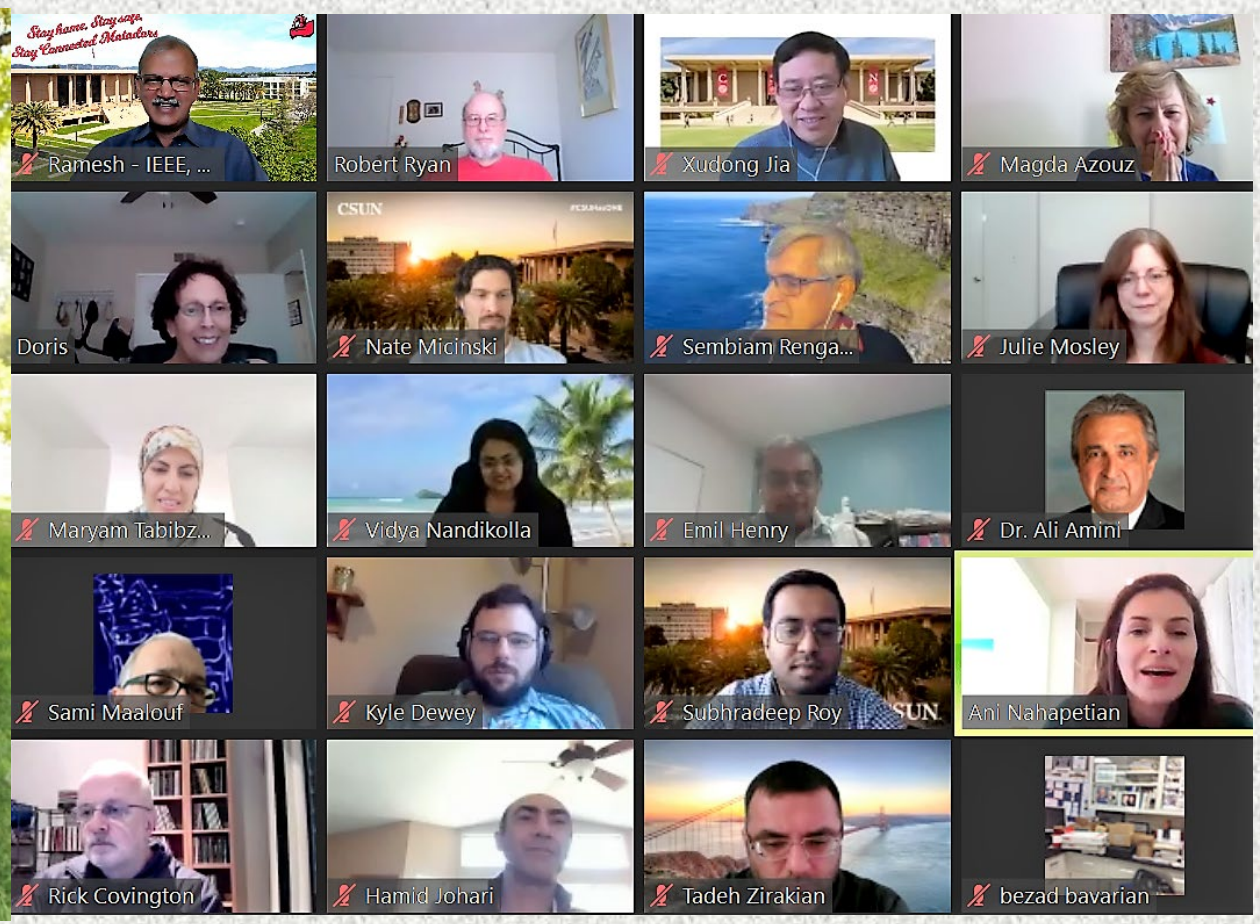
Welcome to AIMS^2(HSI-STEM Grant)- Meeting # 91

Dec 10, 2020, 1 PM – 2:30 PM



Photos-Courtesy: Armando Tellez/Ramesh

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AGENDA

- Welcome and Information Items – Ramesh
- Meetings calendar for spring 2021
- Articulation 101 – Aram Khachatourians
- Individual Student Progress/Group Reports (fall 2020) – Review of templates and timelines
- AIMS2 student recognition (Nomination process and timelines)
- Celebrating the life and legacy of Dean Rick Ratcliffe

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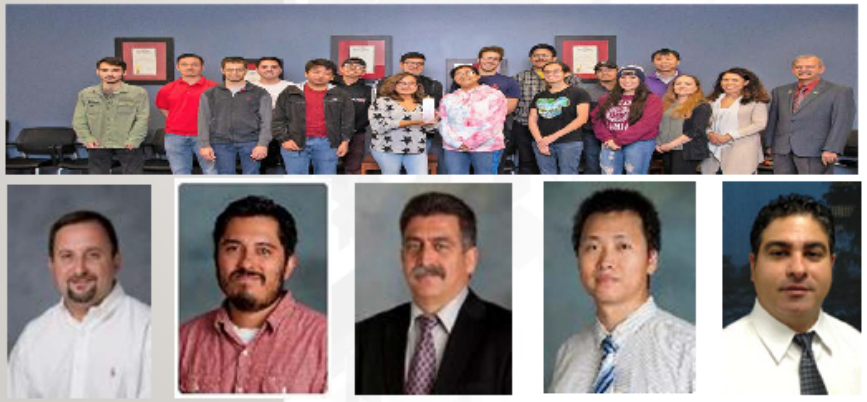
IEX! RECOGNIZED EXAMPLE of EXCELENCIA

AIMS² VIRTUAL OPEN HOUSE

You are invited to the AIMS² Virtual Open House. Please use the link below to take a virtual tour of our labs in the College of Engineering and Computer Science. Then, join us on **December 3rd from 2:00PM-3:00PM** for a live session including an overview of our program and a discussion with Peer Mentors in our program.



Virtual Lab Tour:
https://www.ecs.csun.edu/aims2/annoucements/virtual-open-house-2020/

To Register for the live session:
https://csun.zoom.us/meeting/register/tZIqf-qtqjotGtM43JjNc6fsnIJvAb67X0FZ

Your hosts for the Virtual Lab Tour:

- Prof. Aram Khachatourians: Mechanical Engineering
- Prof. John Valdovinos: Electrical and Computer Engineering
- Prof. Behzad Bavarian: Manufacturing Systems Engineering and Management
- Prof. Bingbing Li: Manufacturing Systems Engineering and Management
- Prof. Jora Amirkhanian: Civil Engineering and Construction Management

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AIMS² HSI-STEM Meeting # 91

LIVE Webinar

CSU HSI-STEM Research, Policy, and Practice Dissemination Series

"The Times They Are a Changin": Adapting for Success in Rapidly Changing Times

IEX! RECOGNIZED EXAMPLE of EXCELENCIA

The AIMS² program at California State University, Northridge (CSUN) supported by the U.S. Department of Education, HSI-STEM Division, is now completing a decade of success. Recognized as the 2019 Example of Excelencia in the baccalaureate program category, this collaborative multi-institutional program led by faculty and staff from CSUN and partner community colleges uses a cohort-based model and high impact practices such as peer mentoring and student participation in research to improve retention, graduation, and student success.

Challenges from the global pandemic meant that the program had to transition very quickly to virtual modalities. How did the program adapt to serve students in these rapidly changing times? In this webinar, you will hear perspectives from a panel that includes program faculty and staff from CSUN and the College of Canyons, and a peer mentor who is also a student in the cohort. Everything from teaching and learning online, to student support and tutoring, virtual open house with tour of labs, and a vibrant 100% online "virtual" research program. In addition, panelists will share a few tips for success based on their experiences.

The Center for Evaluation and Educational Effectiveness (CEEE) at California State University, Long Beach (CSULB) is part of a partnership that involves 10 California State University campuses working together to learn how to best support the success of first-generation, low-income, and/or Hispanic students in STEM at Hispanic-Serving Institutions (HSIs). This webinar is part of a series of webinars and briefs dedicated to this endeavor. For more information on the project, please visit: http://www.csulb.edu/hsi-stem-lessons-learned.

DEC 10 2020 | 10AM to 11AM PST | JOIN THROUGH ZOOM

RSVP AT: https://csulb.zoom.us/webinar/register/WN_qACHN3RZQRqTVH1bgK1FaQ

S.K. Ramesh
Director and Lead Principal Investigator of AIMS²
Professor of Electrical & Computer Engineering
California State University, Northridge

Amy A. Foote, MS
Mathematics, Engineering, Science Achievement Program Director
College of the Canyons

Josefina Gudino
Student Services Support Coordinator of AIMS²
California State University, Northridge

Ashley Kuhnley
Peer Tutor & Mentor of AIMS²
California State University, Northridge

Tzong-Ying (Kay) Hao
Faculty Mentor of AIMS²
Professor of Civil Engineering & Construction Management
California State University, Northridge

CEEE CENTER FOR EVALUATION & EDUCATIONAL EFFECTIVENESS

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This project is supported through a U.S. Department of Education supplemental grant to the HSI-STEM grant. Award Number: P031C160085-18A.

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AGENDA – Information Items

- Virtual "Open House" for students from partner community colleges (December 3rd)
  - "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 AIMS^2 – 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**)

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Virtual Lab Tour and Live Panel Session with CC students

December 3, 2020

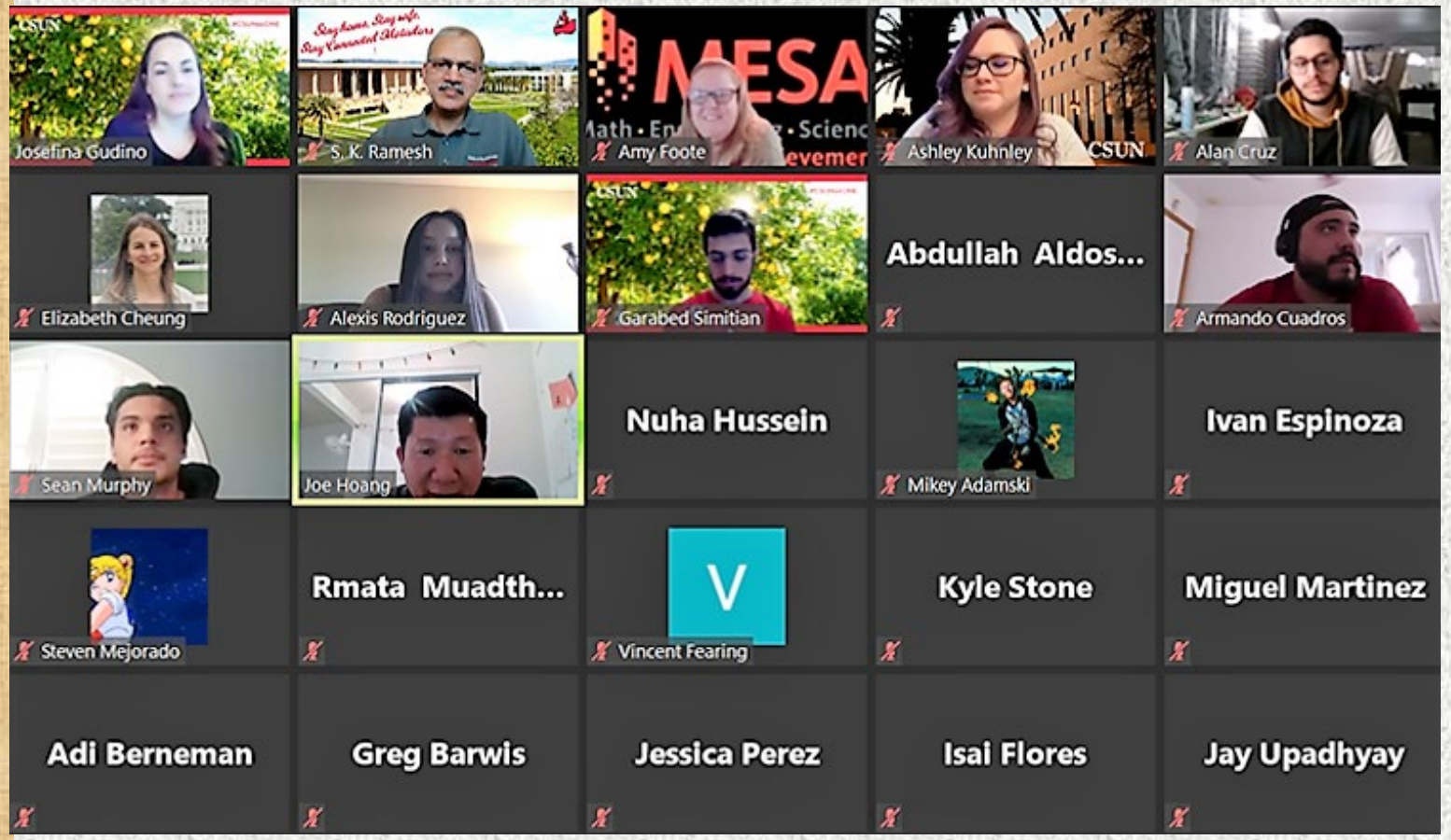
- Over 30 students from CoC, Pierce and Moorpark

Peer mentors

- Ashley Kuhnley
- Garabed Simitian
- Alan Cruz

Faculty and Staff

- Amy Foote
- Beth Cheung
- Josefina Gudino
- Ramesh



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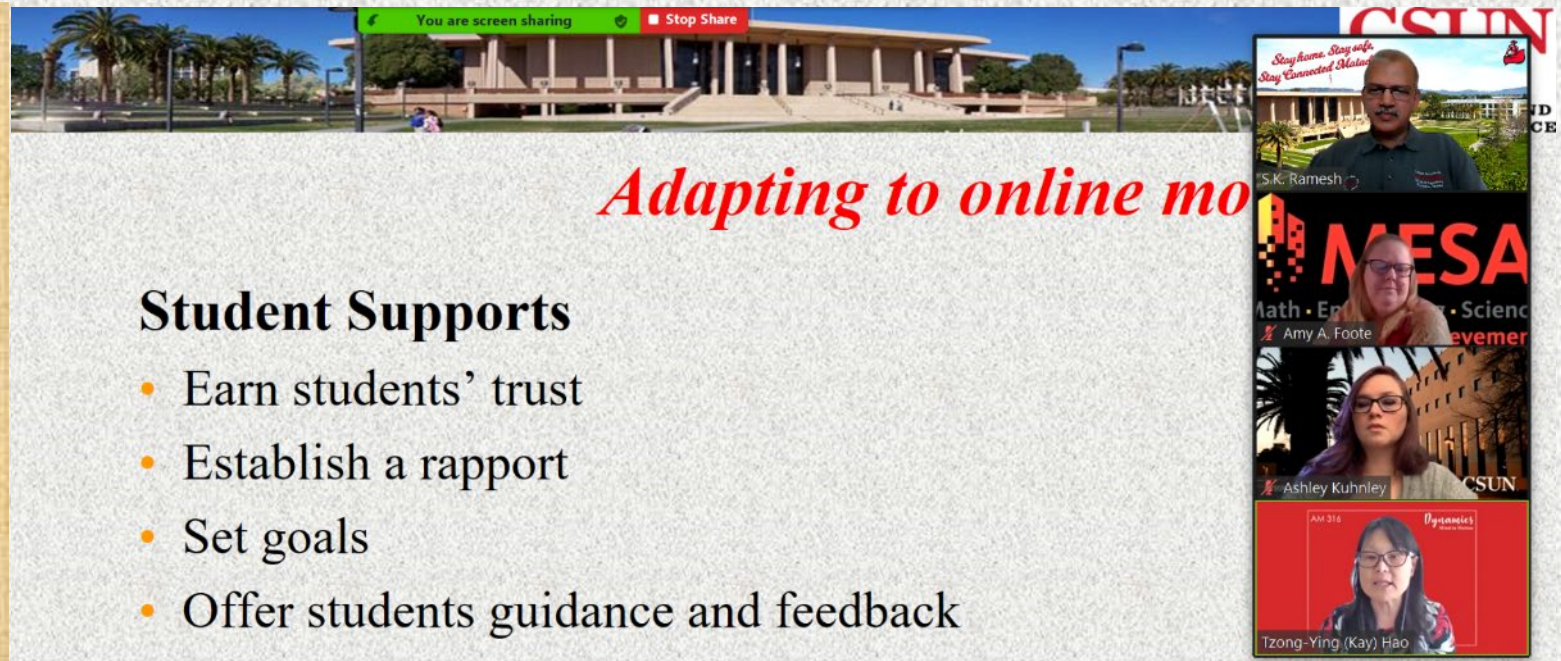
CSU STEM Summit Presentation

December 10, 2020

Hosted by CSULB -CEEE

Participants

- Kay Hao
- Amy Foote
- Josefina Gudino
- Ashley Kuhnley
- Ramesh



Tzong-Ying Hao
Faculty Mentor

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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

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Aram's Best Practices to Successful Articulation Efforts with CSUN's Mechanical Engineering Department:

- **Goal:**
  - Help our community college partners in a first time through effort/exercise
- **Why?**
  - Recent experience with a request to articulate "ENGR M07" with CSUN's ME286 class
- **Recommendation:**
  - Do it using **"Beth's Way"**
    - Start from the ***"End"*** and work your way to the "Beginning"
    1. Get a hold of the course coordinator from CSUN, request a copy of syllabus, and catalog description
    2. Have a meeting (phone, in person, Zoom, etc.) with the course coordinator to completely understand the expectations ***[What are the design requirements?]***
- **DO NOT CHANGE anything once course is approved!!!!** ***[the story]***

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AIMS² (HSI-STEM Grant)

2020-21 Mid-Year Progress Update

1. Please report on the meetings with students in your assigned group. See attached roster for details. Provide specifics on each individual student, their progress, and challenges if any. We are looking for qualitative comments on the engagement of students in your group.

Due January 6

2. Please report on the status of your respective research projects. Provide specifics on the students involved (names), outcomes to date, and plans for spring 2021. For your reference the list of all your projects can be found online at http://www.ecs.csun.edu/aims2/research_internships.html

Due January 6

HSI STEM Grant Program

AIMS^2 – Bridging the Gap

Student Success Record

Current Semester: _____

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Name: _____ Student ID#: _____

Major: _____

Academic Progress:

Total number of units completed toward the degree: _____

Number of units currently enrolled in: _____ Passing? _____(C or better? Or?)

Number of units planned for next semester: _____

Number of units left until graduation: _____ Anticipated graduation date: _____

Notes: _____

Program Participation:

Weekly group meeting participation: _____

1:1 Meeting with Faculty Mentor: _____

Research: _____

Tutoring: _____

Advising: _____

Mentoring: _____

Peer Mentoring: _____

Plans for Next Semester:

_____

_____

_____

_____ _____ _____

Faculty Mentor printed name Faculty Mentor Signature Date

DUE JANUARY 6

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AGENDA

- AIMS2 student recognition (Nomination process and timelines)
- Nominations from faculty and community college liaisons
- Deadline for nominations: Friday, March 12, 2021
- Review Committee
  - Propose 5 member committee with 3 representatives from CSUN and 2 from partner community colleges
  - Review nominations and make recommendations
  - Deadline for recommendations: April 8, 2021

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- AIMS2 student recognition (Draft criteria for discussion)
- **Name:**
- **Major:**
- **Standing:**
- **Academic merit, overall GPA or major GPA at the end of Fall 2020: Do you want to set the minimum GPA at 3.0?**
- **Personal attributes: responsible, leadership attributes, overcoming academic/personal challenges (as demonstrated or reported during faculty mentor meetings).**
- **Program involvement: Consistently meeting with faculty mentor/peer mentor, consistent completion of minimum yearly unit requirement with minimum GPA. Meaningful contributions during group meetings with faculty mentor and peers.**
- **Campus involvement: Is the student part of any club, organization, research program, or professional organization and what is the student's role or contributions?**
- **Community involvement: Is the student involved in any activity in the community and in what capacity?**

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- Supplemental award (AIMS2 Future Teachers in STEM) status update
- Project implementation and timelines – Susan and Nathan
- Project Assessment and Evaluation – Nathan Durdella and Team
- Review of Year 4 Draft APR*
- Download copy of Prezi at: https://prezi.com/view/4KnDe7U7ww6Zd2ypAZz5
- Adjourn

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