

Welcome to AIMS²(HSI-STEM Grant) Meeting # 73



1 PM – 3 PM
April 25, 2019
JD 1568



AGENDA

- Welcome – Ramesh
- Introductions and Information Items
- Spring/Fall 2019 Meetings Calendar
- MPR Deadline for April 2019 – May 2nd
- Project Assessment and Evaluation – Nathan



AGENDA

- Welcome – Ramesh
- **Introductions and Information Items**
- Spring/Fall 2019 Meetings Calendar
- MPR Deadline for April 2019 – May 2nd
- Project Assessment and Evaluation – Nathan



AGENDA

- Welcome – Ramesh
- Introductions and Information Items
- Spring/Fall 2019 Meetings Calendar
- MPR Deadline for April 2019 – May 2nd
- Project Assessment and Evaluation – Nathan



Meeting Calendar for Spring 2019

✓ *Jan 17, 2019*

✓ *Feb 28, 2019*

✓ *Mar 11, 2019**

✓ *Mar 28, 2019*

✓ *Apr 25, 2019*

• *May 16, 2019*

*** All Cohort Meeting on
March 11th (USU Lake View
Terrace Room / 4 – 6 PM)**

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



Meetings Calendar for Fall 2019

- *Aug 22nd, 2019*
- *Sep 19th, 2019*
- *Oct 24th, 2019*
- *Nov 14th, 2019*
- *December 5th, 2019*

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

- *Aug 30th, 2019* – Orientation for Cohort 4 (3 PM – 5 PM), Location TBA
- *September 2019* – Annual Research Symposium, Date/Time TBA



AGENDA

- Welcome – Ramesh
- Introductions and Information Items
- Spring/Fall 2019 Meetings Calendar
- **MPR Deadline for April 2019 – May 2nd**
- Project Assessment and Evaluation – Nathan



AGENDA

- Welcome – Ramesh
- Introductions and Information Items
- Spring/Fall 2019 Meetings Calendar
- MPR Deadline for April 2019 – May 2nd
- Project Assessment and Evaluation – Nathan

AGENDA

- **Project Activities**
 - Moorpark College – Scarlet Relle
 - LA Pierce College – Elizabeth Cheung
 - Glendale Community College – Chris Herwerth, Scott Rubke, Marisela Canela, Freddy Saucedo
 - College of the Canyons – Amy Foote
 - Report on Dev Pulse Con– Alexis Siguenza

AGENDA

- Project Activities
 - Moorpark College – Scarlet Relle
 - LA Pierce College – Elizabeth Cheung
 - Glendale Community College – Chris Herwerth, Scott Rubke, Marisela Canela, Freddy Saucedo
 - College of the Canyons – Amy Foote
 - Report on Dev Pulse Con– Alexis Siguenza

AGENDA

- Project Activities
 - Moorpark College – Scarlet Relle
 - LA Pierce College – Elizabeth Cheung
 - Glendale Community College – Chris Herwerth, Scott Rubke, Marisela Canela, Freddy Saucedo
 - College of the Canyons – Amy Foote
 - Report on Dev Pulse Con – Alexis Siguenza

AGENDA

- Project Activities
 - Moorpark College – Scarlet Relle
 - LA Pierce College – Elizabeth Cheung
 - Glendale Community College – Chris Herwerth, Scott Rubke, Marisela Canela, Freddy Saucedo
 - College of the Canyons – Amy Foote
 - Report on Dev Pulse Con – Alexis Siguenza



AGENDA

- Project Activities
 - Moorpark College – Scarlet Relle
 - LA Pierce College – Elizabeth Cheung
 - Glendale Community College – Chris Herwerth, Scott Rubke, Marisela Canela, Freddy Saucedo
 - College of the Canyons – Amy Foote
 - Report on Dev Pulse Con – Alexis Siguenza



AGENDA

- Project Activities
 - Moorpark College – Scarlet Relle
 - LA Pierce College – Elizabeth Cheung
 - Glendale Community College – Chris Herwerth, Scott Rubke, Marisela Canela, Freddy Saucedo
 - College of the Canyons – Amy Foote
 - Report on Dev Pulse Con – Alexis Siguenza



HOME (/)
REGISTER (/REGISTER)
WHY ATTEND? (/WHY-ATTEND)
AGENDA (/AGENDA)
SPEAKERS (/SPEAKERS)
SPONSORS (/SPONSORS)
ABOUT (/ABOUT)



REGISTER ([HTTPS://WWW.EVENTBRITE.COM/E/CODECHIX-DEVULSECON-2019-APRIL-19-20-2019-TICKETS-55316046785](https://www.eventbrite.com/e/codechix-devpulsecon-2019-april-19-20-2019-tickets-55316046785))

Computer History Museum • 1401 N. Shoreline Blvd. • Mountain View CA • (/home-2015)

April 19-20, 2019 (/home-2015)

UNLEASH THE ENGINEER WITHIN YOU

TARGETING **350+** Women Engineers, Product/Program/Project Managers and Engineering Managers + Awesome Male Allies

DevPulseCon is a two-day technical and educational micro-conference focused on women engineers, TPMS's, developers, users, administrators and geeks working in industry and academia. In 2019, we are expanding to include Technical Product Managers, Program Managers, Project Managers and Engineering Managers to elevate the conversation and learning. The conference was founded (/about)in 2015 (as Coder[xx])(<http://coderxx.org>)).

It includes one day of technical talks and "safe-space" panel discussions on "uncomfortable" (no social media allowed during panels) topics and a second day of purely technical hands-on workshops developed and taught per CodeChix Hands-on Workshop Guidelines.

We are strong proponents of Open Source software and hardware (and anything else that qualifies in this light). All conference content is open source and does not include any sales pitches or proprietary content.

This is the first and only conference catering to full-time women engineers and TPM's which provides purely-technical educational training on cutting edge technology as well as providing a "safe space" for the women to discuss issues and solutions to culture that affects technical women across the industry. Our primary target audience is women engineers and developers as well as technical product, program and project managers. We, also, provide a quota of tickets to selected men engineers and students to provide exposure to issues we discuss and build allies.

Our primary goal is to **RETAIN** the fantastic, driven and brilliant women engineers and TPM's that are lost in the folds of companies and teams but whose contributions build and sustain the foundations of our industry.



HOME (/)
REGISTER (/REGISTER)
WHY ATTEND? (/WHY-ATTEND)
AGENDA (/AGENDA)
SPEAKERS (/SPEAKERS)
SPONSORS (/SPONSORS)
ABOUT (/ABOUT)

DevPulseCon 2019 Agenda

PRESENTED BY CODECHIX - BAY AREA ([HTTP://WWW.CODECHIX.ORG](http://www.codechix.org))

Friday April 19, 2019

All attendees should plan to bring laptops and power cords to work throughout the day's sessions.

9:00 am	Registration
9:00 - 9:45 am	Breakfast & Sponsor Showcase
9:45 - 10:00 am	General Session: Opening Remarks Rupa Dachere (https://www.linkedin.com/in/rdachere/), Founder, CodeChix & DevPulseCon
10:00 - 10:30 am	Tech Talk: Deciphering Data Science Grishma Jena, Python Community
10:35 - 11:05 am	Tech Talk: Quantum Computing & Security Implications David Ott - Sr. Researcher, VMware
11:10 - 11:40 am	Tech Talk: CyberSecurity Karim Eldefrawy, Senior Computer Scientist, Stanford Research Institute
11:45 am - 12:15 pm	Keynote Session Radia Perlman, Inventor of the Spanning Tree Protocol
12:15 - 1:15 pm	Lunch, Sponsored Presentations, Raffle & Sponsor Showcase
1:15 - 1:45 pm	Keynote Session Megan Clarke, Chief Information Officer, Stanford Graduate School of Business

1:50 - 2:30 pm	Panel: Work/Life Merge - Difficult Decisions, Strategies & Support Systems
2:40 - 3:20 pm	Panel: Gaslighting - Detection & Mitigation Strategies
3:25 - 4:00 pm	Break, Awards, Sponsor Showcase & Networking
4:00 - 6:00 pm	Workshop: Python Basics Refresher* <i>*Saturday Cybersecurity Workshop Preparation</i>
6:00 - 6:15 pm	General Session: Closing Remarks & Giveaways Rupa Dachere (https://www.linkedin.com/in/rdachere/), Founder, CodeChix & DevPulseCon
6:15 - 7:15 pm	DevPulseCon 2019 Happy Hour - Sponsored by ARM

Saturday April 20, 2019

All attendees should plan to bring laptops and power cords to work throughout the day's sessions.

8:30 am	Registration Opens
8:30 - 9:00 am	Breakfast & Sponsor Showcase
9:00 - 9:15 am	General Session: Opening Remarks Rupa Dachere (https://www.linkedin.com/in/rdachere/), Founder, CodeChix & DevPulseCon
9:15 - 10:30 am	Workshop: Technical Interviewing - Tips, Tricks, Exercises & Mock Interviews
10:30 - 10:45 am	Break, Sponsor Showcase & Networking
10:45 am - noon	Workshop: Technical Interviewing - Tips, Tricks, Exercises & Mock Interviews
Noon - 1 pm	Lunch, Sponsor Showcase & Networking
1 - 3 pm	Workshop: CyberSecurity with Python, Concurrency, Sockets & Tips and Tricks
3:00 - 3:15 pm	Break, Sponsor Showcase & Networking
3:15 - 5:15 pm	Workshop: CyberSecurity with Python, Concurrency, Sockets & Tips and Tricks
5:15 - 5:30 pm	General Session: Closing Remarks & Giveaways Rupa Dachere (http://linkedin.com/in/rdachere/), Founder, CodeChix & DevPulseCon
5:30 pm	DevPulseCon 2019 Concludes



DISCUSSION/ACTION ITEMS

Second all cohort meeting:

- Spring 2019 or fall 2019?
- Industry Panel/Resume Critique/Other ideas.
- Spring 2019 Graduation Celebration for AIMS2 cohort students
- Summer 2019 research projects
- Update on projects
- Recruitment of students
- Orientation for all summer research students (June)



DISCUSSION/ACTION ITEMS

Second all cohort meeting:

- Spring 2019 or fall 2019?
- Industry Panel/Resume Critique/Other ideas.
- Spring 2019 Graduation Celebration for AIMS2 cohort students
- Summer 2019 research projects
- Update on projects
- Recruitment of students
- Orientation for all summer research students (June)



DISCUSSION/ACTION ITEMS

Recognition of Cohort Students

- Who?
 - AIMS² students from CSUN graduating in fall 2018. spring 2019 or summer 2019
- When?
 - At our last monthly meeting on May 16th (Say 2:30 – 3 PM)
- Email invitation to all potential graduates
- Faculty mentors remind students to participate, say a few words about each student and present certificates



Aram Khachatourians	Kevin	Chavez	T-1	Fall 2016	Mechanical Engineering
Aram Khachatourians	Andy	Vo	T-1	Fall 2016	Electrical Engineering
Behzad Bavarian	Mario	Garcia	T-2	Fall 2017	Computer Science
Behzad Bavarian	Victor	Garcia	T-1	Fall 2016	Electrical Engineering
Behzad Bavarian	Jayshawna	Jones	T-1	Fall 2016	Manufacturing Systems Engr
Bingbing Li	Kerstern	Malama	T-1	Fall 2016	Manufacturing Systems Engr
John Valdovinos	Emily	Hwang	T-1	Fall 2016	Mechanical Engineering
John Valdovinos	Omar	Vargas	T-1	Fall 2016	Electrical Engineering
Ruting Jia	Hareth	Abdalkarim	T-1	Fall 2016	Electrical Engineering
Ruting Jia	Timothy	Vallarta	T-2	Fall 2017	Computer Engineering
Tzong-Ying (Kay) Hao	Martin	Arjon-Ramirez	T-2	Fall 2017	Mechanical Engineering
Tzong-Ying (Kay) Hao	Jesse	Bermudez	T-2	Spring 2017	Mechanical Engineering
Tzong-Ying (Kay) Hao	Ivan	Garcia	T-1	Fall 2016	Computer Engineering
Tzong-Ying (Kay) Hao	Jeffrey	Portillo	T-2	Fall 2017	Civil Engineering
Tzong-Ying (Kay) Hao	Cruz	Reyes Cruz	T-2	Fall 2017	Civil Engineering
Jimmy Gandhi	Joshua	Galeno	T-1	Fall 2016	Electrical Engineering



DISCUSSION/ACTION ITEMS

Second all cohort meeting:

- Spring 2019 or fall 2019?
- Industry Panel/Resume Critique/Other ideas.
- Spring 2019 Graduation Celebration for AIMS2 cohort students
- Summer 2019 research projects
 - Update on projects (See <http://www.ecs.csun.edu/aims2/student-resources/research-internships/> for details)
 - Recruitment of students
 - Orientation for all summer research students (June)



Project Title	Professor	Project Information
Improving the durability of packaging materials using vapor phase corrosion inhibitors	Dr. Behzad Bavarian	Click here for information.
Sustainable materials for steam generating system and power plants	Dr. Behzad Bavarian	Click here for information.
Corrosion protection of steel pipes/reinforced concrete structures using corrosion inhibitors	Dr. Behzad Bavarian	Click here for information
Application of high strength aluminum alloys for aircraft applications	Dr. Behzad Bavarian	Click here for information.
Metal additive manufacturing of cam support plate for Harley Davidson Milwaukee 8 Engine	Dr. BingBing Li	Click here for information.
Electrical Speed Drives and Environment	Dr. Bruno Osorno	Click here for information.
New Product Development and Technical Entrepreneurship	Dr. S. Jimmy Gandhi	Click here for information.
Evaluating Test Suite Generation Techniques for Introductory Computer Science Assignments	Dr. Kyle Dewey	Click here for information.
Solving real world problems by using Intelligent Control Systems	Dr. Ruting Jia	Click here for information.
Parametric study of seismic active earth pressures on retaining walls	Dr. Tzong-Ying Hao	Click here for information.
Parametric study of soil structure interaction on building structures	Dr. Tzong-Ying Hao	Click here for information
Sloshing Water Damper – Modeling and Simulation	Dr. Tzong-Ying Hao	Click here for information.



DISCUSSION/ACTION ITEMS

Second all cohort meeting:

- Spring 2019 or fall 2019?
- Industry Panel/Resume Critique/Other ideas.
- Spring 2019 Graduation Celebration for AIMS2 cohort students
- Summer 2019 research projects
 - Update on projects
 - Recruitment of students
 - Orientation for all summer research students (June)



DISCUSSION/ACTION ITEMS

Recruitment of Students

- Who is eligible?
 - AIMS² students from CSUN and partner CC's
 - All AIMS² students currently in good standing/fulfilled all program requirements to date
- Email invitation to all eligible CSUN cohort students (Ramesh -April 25)
- CC Liaisons will advertise to students in their cohorts
- Prospective students must contact faculty mentors to follow up
- Faculty mentors will select students to participate and email Dezell to confirm (on or before May 16th)



DISCUSSION/ACTION ITEMS

Second all cohort meeting:

- Spring 2019 or fall 2019?
- Industry Panel/Resume Critique/Other ideas.
- Spring 2019 Graduation Celebration for AIMS2 cohort students
- Summer 2019 research projects
 - Update on projects
 - Recruitment of students
 - Orientation for all summer research students (June)



DISCUSSION/ACTION ITEMS

Orientation for summer research assistants

- **When and Where?**
 - Monday, June 3rd, JD 1551
 - Time: Choice of 1 hour in 1 PM – 3 PM time slot
- **Who?**
 - All faculty mentors and RA's (Mandatory)
- **What?**
 - Review guidelines and expectations
 - RA's sign contract (see draft for discussion) and complete relevant hiring paperwork
 - Share copies of poster and oral presentation templates

DISCUSSION/ACTION ITEMS

- Peer Mentor recruitment for fall 2019
- Cohort 4 recruitment
- Fall 2019 Research Symposium – Planning and Logistics
- Skills Workshops – (for AIMS2 students)
- Planning and Logistics for fall 2019
- Adjourn



Peer Mentors from Cohort

First Name	Last Name	Major
Hareth	Abdalkarim	Electrical Engineering
Alireza	Bahmanabadi	Construction Management
Alan	Cruz	Mechanical Engineering
Jayshawna	Jones	Manufacturing Systems Engr
Kerstern	Malama	Manufacturing Systems Engr
Cristian	Mendoza	Electrical Engineering
Henry	Reed	Computer Science
Alexis	Sierra	Civil Engineering
Omar	Vargas	Electrical Engineering
Samantha	Livesay	Computer Science
Cristobal	Barajas	Mechanical Engineering

Changes/ Updates

- 3 Peer Mentors expected to graduate in spring/summer 2019
- 1 Peer Mentor resigned in March
- Received 2 Nominations
- Need additional nominees (5 - 7) for fall 2019

DISCUSSION/ACTION ITEMS

- Peer Mentor recruitment for fall 2019
- Cohort 4 recruitment
- Fall 2019 Research Symposium – Planning and Logistics
- Skills Workshops – (for AIMS2 students)
- Planning and Logistics for fall 2019
- Adjourn



Cohort 4 recruitment

- Request list of eligible students from CSUN IR in June 2019
- Create online application and invite all eligible students to apply (Freshmen/Transfers) – June 2019
- Review applications and select students – July 2019
- Students confirm acceptance – August 2019



DISCUSSION/ACTION ITEMS

- New cohort orientation – August 30th
- Where: TBA
- When: August 30th , 3 PM – 5 PM
- Who : All FTF-4 and FTT-4 students, Faculty, Staff, Peer Mentors
- What: Overview of program, services, and expectations, Announcement of groups, Cohort student contracts



DISCUSSION/ACTION ITEMS

- Peer Mentor recruitment for fall 2019
- Cohort 4 recruitment
- Fall 2019 Research Symposium – Planning and Logistics
- Skills Workshops – (for AIMS2 students)
- Planning and Logistics for fall 2019
- Adjourn



Research Symposium

- 3 PM – Set up Posters
- 3:30 – 4:30 PM Posters open for viewing
- 4:30 PM – 8 PM Presentations
- Audience: All cohort students from CSUN and partner campuses, their families, faculty, staff, students from CSUN and CCC partners
- Templates for posters and oral presentations shared w/students so they are prepared.
- Practice to stay within time limits (10 mins – **subject to change**)
- Mentors introduce their students/project (2 mins or less) and moderate Q&A (3 mins or less)
- Print Posters (please work w/Deazell)



DISCUSSION/ACTION ITEMS

- Peer Mentor recruitment for fall 2019
- Cohort 4 recruitment
- Fall 2019 Research Symposium – Planning and Logistics
- Skills Workshops – (for AIMS2 students)
- Planning and Logistics for fall 2019
- Adjourn



Skills Workshops

- History
 - 2017 Workshop open to all incoming FTF in CECS (1 Week)
 - 2018 Workshops open to all incoming FTF and FTT in CECS (2 Weeks/2 Sessions)

AIMS²

Attract Inspire Mentor and Support Students Skills Workshop

Session 1: July 23rd – July 25th, 2018

Freshmen Students Workshop Schedule

Location: University Student Union – Thousand Oaks Room

Monday	Tuesday	Wednesday
9:00 AM - 9:30 AM Welcome Remarks	9:00 AM - 12:00 PM Campus Tour: Including Library and Engineering Labs	9:00 AM - 10:15 AM Final Competition
9:30 AM - 10:30 AM Ice Breakers Cards to the Sky Exercise		10:15 AM - 10:45 AM Students Present Their Project
10:30 AM - 10:45 AM 15-Minute Break		10:45 AM - 11:00 AM Competition Results Declared & Recap of Lessons Learned
10:45 AM - 12:15 PM What Is Engineering? Careers in Engineering	12:00 PM - 1:00 PM Lunch	11:00 AM - 11:15 AM 15-Minute Break
12:15 PM - 1:15 PM Lunch		11:15 AM - 12:00 PM Entrepreneurial Minded Learning
1:15 PM - 2:15 PM Growth Mindset	1:00 PM - 2:15 PM Team Building Skills	12:00 PM - 12:15 PM How To Stay Connected In Year 1
2:15 PM - 3:15 PM Resources to Succeed at CSUN	2:15 PM - 2:30 PM 15-Minute Break	12:15 PM - 1:00 PM Lunch/Survey
3:15 PM - 4:00 PM Closing Remarks for Day 1 Filling Out Surveys	2:30 PM - 3:30 PM Engineering Ethics	1:00 PM - 2:00 PM Focus Groups
	3:30 PM - 4:00 PM Closing Remarks for Day 2 Filling Out Surveys	



California State University, Northridge Presents

*** 2018 ***
AIMS²

Attract Inspire Mentor and Support Students Skills Workshop

Session 1: July 26th – July 27th, 2018

Transfer Students Workshop Schedule

Location: University Student Union – Thousand Oaks Room



CSUN
COLLEGE OF
ENGINEERING AND
COMPUTER SCIENCE

Thursday

9:00 AM – 9:30 AM
Welcome Remarks

9:30 AM – 10:15
Expectations When Transferring From
Community College To CSUN

10:15 AM – 10:30 AM
15-Minute Break

10:30 AM – 11:45 AM
Team Building Skills

11:45 AM – 12:45 PM
Lunch

1:00 PM – 4:00 PM
Campus Tour
(Engineering Labs and Library)

Friday

9:00 AM – 10:15 AM
Resources to Succeed at CSUN

10:15 AM – 10:30 AM
15-Minute Break

10:30 AM – 11:15 AM
Understanding Senior Design Projects

11:15 AM – 12:00 PM
Understanding Your DPR

12:00 PM – 1:00 PM
Lunch

1:00 PM – 1:45 PM
Requirements After Transferring

1:45 PM – 2:45 PM
Breakout To Plan Fall Course Schedule

2:45 PM – 3:00 PM
Surveys

3:00 PM – 4:00 PM
Focus Groups

04/25/19



Challenges

- Long time commitment (2.5 days for FTF and 1.5 days for FTT)
- Students registering and failing to show up
- Competing campus events
- Resources



DISCUSSION/ACTION ITEMS

- Peer Mentor recruitment for fall 2019
- Cohort 4 recruitment
- Fall 2019 Research Symposium – Planning and Logistics
- Skills Workshops – (for AIMS2 students)
- **Planning and Logistics for fall 2019**
- Adjourn



Planning and Logistics – Fall 2019

- Focus workshops on students who are part of the AIMS² program
- Mandatory for Cohort 4 students (new cohort)
- Reduce duration of workshop to 8 hours spread over two days
 - (i.e, Friday 3 PM - 6 PM/Saturday 9 AM – 2 PM)
 - Organize sessions deemed most useful from previous offerings
- Possible dates (depends on availability of space)
 - September 20/21, September 27/28, October 10/11, and October 17/18.
- Offer a choice of two dates for students. Breakout on day 2 for Transfers

DISCUSSION/ACTION ITEMS

- Peer Mentor recruitment for fall 2019
- Cohort 4 recruitment
- Fall 2019 Research Symposium – Planning and Logistics
- Skills Workshops – (for AIMS2 students)
- Planning and Logistics for fall 2019
- Adjourn