

**MREC³: Math Research Experiences in Community
Colleges Conference
Saturday March 17th
CSUN-Chaparral Hall building**

9:00-9:20am	Sign in / Registration
9:20-9:30 am	Introduction/Welcome:
9:30-10:30am	Plenary Lecture: Dr. Ashar Ali, Air Force Research Laboratory. CR 5122
10:40-11:40 am	RE-C² presentations: Students participating in the RE-C ² present their projects. – CR5122 <ol style="list-style-type: none"> 1. Noel Torrero and Nicholas Gomez: “On Collatz Sequences” LA Mission College 2. Giselle De La Torre and Shayan Javid: “Schnakenberg Model - Limit cycle behavior in real-life phenomena” LA Pierce College. 3. Rafael Guerra and Caroline Maroutian: “The predator-prey model.” LA Pierce College.
11:45-12:35pm	Concurrent Sessions: Student Math Research and Career Panel: CR-5122. Faculty Panel on Creating Math Research Communities in Community Colleges: CR-5114.
12:35-2:00pm	Lunch
2:00-3:30 pm	Concurrent Sessions (Titles and Schedules on the back): <ol style="list-style-type: none"> 1. Faculty presentations: Session I – CR- 5114. 2. Student presentations – Session II: CR- 5123 3. Student presentations – Session III: CR-5124
3:30-3:45pm	Afternoon Break
3:45 – 4:30	Talk/Discussion Panel: CR- 5122 How can we attract and retain community college students as prospective math majors?

Afternoon Research Talks: Concurrent Sessions

Session 1: Room CR - 5114

- 2:00-2:15pm: Remi Dry: "Exponential Growth as an Optimization Problem"
The Master's University - College of the Canyons
- 2:20-2:35pm: Koffi Enakoutsa: "Mathematical modeling of ductile failure in metals."
Los Angeles Harbor College
- 2:40-2:55pm: Roy Burson: "A Unique Lower Bound of the Prime Counting Function."
CSUN
- 3:00-3:15pm: Nathan Quirion: "An introduction to the Riemann Hypothesis."
Eighth grader at Isolus Academy.

Session 2: Room CR - 5123

- 2:00-2:15pm: Gina Houston: "The Twin Prime Conjecture."
Fullerton College
- 2:20-2:35pm: Bryan Kim: "A Question of A.Eremenko Related to Control Theory."
Fullerton College
- 2:40-2:55pm: Doyoung Kim: "An Introduction to the Erdos-Straus Conjecture."
Fullerton College
- 3:00-3:15pm: Sam Arias: "A Tutorial Introduction to the Invariant Subspace Problem."
Fullerton College.

Session 3: Room CR - 5124

- 2:00-2:15pm: Christopher Stevens: "What is the P vs NP Conjecture"
Fullerton College
- 2:20-2:35pm: Joshua Canal: "The Circle Packing Problem for Equilateral Triangles."
Fullerton College
- 2:40-2:55pm: Camille Korbut: "Landau's Problem List"
Fullerton College
- 3:00-3:15pm: Tiara Klugherz: "If a subset W of complex n -dimensional space is an increasing union of polynomially convex sets, and $p(W)$ is an open, for every polynomial p in n complex variables with complex coefficients, then is W open?." Fullerton College.
- 3:20-3:35pm: Kyle Little: "RSA Encryption using Hurwitz Prime Integers"
Fullerton College.