

2022 Summer Math Research Programs FINAL PRESENTATIONS

July 15, 2022
1:00 PM - 5:00 PM
Science Building SC 200

SCHEDULE OF EVENTS:

1:00 PM - 1:15 PM	Opening Remarks <i>Dr. Lee Yudin</i> Dean of College of Natural & Applied Sciences <i>Dr. Austin Shelton</i> EWD Coordinator, Guam EPSCoR	3:00 PM - 3:15PM	Break
1:20 PM - 1:50 PM	Finding the Magic in Coding Theory: An Error-Correcting Magic Trick using the 9 Element Field <i>Steven Kho</i> ¹ , <i>Ethan Vargas</i> ¹ , <i>Edward Sungwoo Ju</i> ⁴	3:15 PM - 3:45 PM	A Mathematical Model of Coral Response to Disease with Bleaching and Algae Interaction <i>Christine Barrozo</i> ¹ , <i>Brandon Respicio</i> ¹ , <i>Ernie John G. Samelo</i> ¹
1:55 PM - 2:25 PM	Mathematical Model of Coral Reef Response to Predator- Prey Interactions, Human Control on COTS, and Rises in Temperature <i>Darryl Dela Cruz</i> ¹ , <i>Aaron Gonzales</i> ¹ , <i>Siwen (Lulu) Shao</i> ⁴	3:50 PM - 4:20 PM	Playing the Global Game: Modeling Effective Strategies to Combat COVID-19 on Guam <i>Maria Seanna Minas</i> ¹ , <i>Jordan Santos</i> ¹ , <i>Renee Marquez</i> ³ , <i>Kangsan Yoon</i> ²
2:30 PM - 3:00 PM	Enhancing Elliptic Curve Cryptosystems via Curve-Swapping with Crypto-AJES <i>Alex Leon Guerrero</i> ¹ , <i>John Christian Sual</i> ¹ , <i>Shangrong Jiang</i> ² , <i>Elijah Vargas</i> ³	4:25 PM - 4:35 PM	Open Discussion
		4:40 PM - 4:50 PM	Closing Remarks <i>Dr. Leslie Aquino</i> Chair of Division of Mathematics & Computer Science
		ZOOM LINK:	
		https://us02web.zoom.us/j/89653225952? pwd=TG1vZTFHTHNwT3luclFQOXZhbCttdz09	

¹University of Guam, ²Harvest Christian Academy, ³John F. Kennedy High School, ⁴St. John's School