



OFFICE OF UNDERGRADUATE RESEARCH

KALEN BAKER

Major in Mechanical Engineering

Mentor: Dr. Ping He Assistant Professor of Mechanical Engineering



Research in Mechanical Engineering and Physics "Theoretical Research on Sintering of Metals Based on Results of Molecular Simulations"



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MARCH 24, 2021

KALEN BAKER AND DR. PING HE

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ALEXANDER BAHRIM

Major in Electrical Engineering

Mentors: Dr. Gleb Tcheslavski Associate Professor and Chair of Electrical Engineering Dr. Cristian Bahrim Professor of Physics

Research in Electrical Engineering and Physics "Development and assessment of hardware model for studying the mechanism of Regenerative Braking System (RBS)"



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ALEXANDER BAHRIM DR. GLEB TCHESLAVSKI DR. CRISTIAN BAHRIM







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CYMONE HOUSTON

Major in Civil and Environmental Engineering

Mentor: Dr. Thinesh Selvaratnam Assistant Professor of Civil and Environmental Engineering



Research in Environmental Sciences "Biological Treatment of Produced Water"

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CYMONE HOUSTON AND DR. THINESH SELVARATNAM









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MELISSA TAN

Major in Civil and Environmental Engineering

Mentor: Dr. Thinesh Selvaratnam Assistant Professor of Civil and Environmental Engineering



Research in Environmental Sciences "Studying the Extracellular Polymeric Substances of Galdieria Sulphuraria as Flocculation Aid for Improving Algal Harvesting Efficiency"



MELISSA TAN AND DR. THINESH SELVARATNAM









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GABRIEL WEST

Major in Mechanical Engineering

Mentors: Dr. Sushil Doranga Visiting Assistant Professor of Mechanical Engineering Dr. Jenny Zhou Professor & Interim Chair, Mechanical Engineering



Research in Mechanical Engineering "Vibration Response Prediction of Printed Circuit Boards Used in the Transportation Industry"

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DAMARIS THRASH

Major in Exercise Science

Mentor: Dr. Shannon Jordan Assistant Professor of Health and Kinesiology



Research in Exercise Science "Effects of Motivational Music on Post-Exercise Recovery"

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DAMARIS THRASH AND DR. SHANNON JORDAN

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OLUWATOMISIN EGBEWALE

Major in Computer Science

Mentors: Dr. Sujing Wang Associate Professor of Computer Science Dr. Xingya Liu Assistant Professor of Computer Science



Research in Computer Science "Security evaluation of a cloud-based biometric authentication system



OLUWATOMISIN EGBEDALE, DR. SUJING WANG AND DR. XINGYA LIU









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CALLAN NOAK

Major in Computer Science

Mentor: Dr. Sujing Wang Associate Professor of Computer Science

Research in Computer Science "Design Regression Models for Covid-19 Risk Prevention"



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CALLAN NOAK AND DR. SUJING WANG

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NYAH SCIARRILLA

Majors in Biology & Speech and Hearing Sciences

Mentor: Dr. Matthew Hoch Associate Professor of Aquatic and Microbial Ecology Center for Coastal and Marine Studies



Research in Biology "The Effect of Starch Copper Oxide Nanoparticles on Differential Growth of Microbial Populations in Aquatic Environments"

NYAH SCIARRILLA

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NYAH SCIARRILLA DR. MATT HOCH

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CARISSA SLAUGHTER

Major in Biology

Mentor: Ashwini S. Kucknoor Associate Professor of Biology



Research in Microbiology and Parasite Immunology "Trichomonas Vaginalis Induced Toll-like Receptor Gene Expression in Cervical Epithelial Cells"

CARISSA SLAUGHTER



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CARISSA SLAUGHTER DR. ASHWINI KUCKNOOR

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DANIELLE SOILEAU

Major in Biology

Mentor: Ashwini S. Kucknoor Associate Professor of Biology



Research in Microbiology and Parasite Immunology "Characterization of a Novel Cell Surface Protein Coding Gene, TfAD1 in Tritrichomonas Foetus, a Cattle Pathogen"

DANIELLE SOILEAU



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INIVERSITY

DANIELLE SOILEAU DR. ASHWINI KUCKNOOR

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CESAR "C.J." DELGADO

Major in English and Modern Languages

Mentors: Mr. Andre Favors Instructor of Communication and Media Mr. O'Brien Stanley Professor of Communication and Media

Research in Intercultural Languages "Cultural Identity and Digital Citizenship: How Do Social Media Consumers and Creators Reconcile their Identities in the Digital World"



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CESAR DELGADO PROF. ANDRE FAVORS PROF. O'BRIEN STANLEY

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KINLEE BUESING M&DISON FONDREN

Speech and Hearing Sciences

Mentor: Dr. Jamie Azios Assistant Professor of Speech and Hearing Sciences



Research in Speech and Hearing Sciences "Where are my friends?" A narrative inquiry of friendship maintenance and dissolution in the early period post-stroke and aphasia.

KINLEE BUESING M&DISON FONDREN

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M&RCH 24, 2021

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KINLEE BUESING MADISON FONDREN DR. JAMIE AZIOS

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 014		// The	fs why the single most imp	sortant thing that you can do right new for the patient—and for youtselves—is not to buy into anyone's negativity. Although no one knows what the future will bring, studies show that the extent of recovery is influenced by the struct of the
100	1 4		=	
 100 11	2006	V. Greene	Conquering Stroke	a can will fire 22. Commit and wars and wars and a proving more thanks of the real block and the real bases
33	2005	V. Greene	Conquering Stroke	In all honesty, taking my life had entered my mind. Though I knew I would be greatly missed by my family and friends, I hoped that they would understand. This person I had become just wasn't m
22	2006	V. Greene	Conquering Stroke	Not only did i look dreadly, i couldn't even tak. Uncarnity, the very next day my friend Tom came by and offered to take me out to fur on a regular basis. On, basis, now what't was tom. My the Kinice B
1.1	2005	V. Greene	Conquering Stroke	The weeks passed, and my feelings of isolation grew: I decided to ask a friend to arrange for a limousine to pick me up and take me out for the evening. If I had learned one thing from my stroke,
10.00	2005	V. Greene	Conquering Stroke	One morning, to my surprise, a truck pulled up in the driveway, it was Mitoril He had come to fulfill his promise to help me. "Val, I'm here to take you to a special doctor I know," he said. Of all my
31	2008	V. Greene	Conquering Stroke	A few days passed, and my friends Lori and Helen, business and goifing buddles, heard of my need. Helen owned an Alistate insurance agency in Winter Park, and Lori was a broker with a large ins
	2008	V. Greene	Conquering Stroke	Mail started to arrive from home. I was so anvious to receive word from my family and friends, and the cost of making or receiving international phone calls was outrageous. Not that it really man
38	2008	V. Greene	Conquering Stroke	I decided to have one last party in my home. Close friends agreed to invite all the guests and arrange for the food. I was in charge of decorating the house
24	2005	V, Greene	Conquering Stroke	Some of my guests were unknown to me and had been invited by my friends. One of them, Missy, took the time to have a conversation with me, really listening so she could understand what I was the source of them.
27	2008	V. Greene	Conquering Stroke	It was a great blessing to me that my friend Cindy, in Seattle, invited me to stay with her for a few months. She was netring and wanted to show this Florida girl the great Northwest. I packed my d
28	2005	V. Greene	Conquering Stroke	the proce fragment of a second memory of the second of the second memory of the second of the second fragment memory in the second s
-38	2006	V, Greene	Conquering Stroke	Abona was another close friend who sustained me through that time. We had been close since high school, and she often wrote me letters that offered compassion, loyelty, and support. Over the UNITED ACIDS
-42	2008	V. Greene	Conquering Stroke	There were enter the file as well who happed are during that the it was at sample four the rate of the file of the
- 41	2008	V. Greene	Conquering Stroke	Andy ignored his hat and dove back into the cold water again, this time resurfacing with the camera. "The lens, Andy! Do you think you can find the lens?" True friend that he is, Andy dove again a
40	2006	V. Greene	Conquering Stroke	After the drama of life or death is over come the daily hospital visits, the long list of responsibilities to be shared, and so much to learn. After a while, friends and neighbors stop bringing over the
45	2008		Conquering Stroke	Unfortunately, there are no incusis for the period taken away by a stroke, and caregovers have difficulty finding an appropriate way to express their loss, instead, they tend to make their
- 44	2008	V. Greene	Conquering Stroke	No pre-understands the enormity of tools in the entermath Texter Well someone and there have an 11 like to someone and there are an an 11 like to someone and there are an an and the locate and the someone and there are an an and the someone



AUGUST 3, 2021

his she did, explaining to them, "Sometimes I a

th 27 recordings, packed the month. Several friends visited as well

s a moving truck. Our daughter and a friend came with us to help drive.

t of sorts." A few friends visited and I visited a few doctors.

ed Fish in Waltham.

nteers, family, and friends. e that night, just to be there with us, ay with anyone else. Madi Fondren

ne before he moved on. In saying good-bye to him, I feit as if I had lost my best friend.

n Wednesday, October 5 at 3:00 PM. I also had a friend who brought soup for dinner on Wednesday. ut trying to write an entire sentence, I understood what it meant. Breakfast with Steve was my first outing si

had sent a number of texts and emails to friends, family, and colleagues even while still at the hospital. I dis







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CHLOE SMITH

Major in Speech and Hearing Sciences

Mentor: Dr. Monica Harn Professor and Chair of the Department of Speech and Hearing Sciences



Research in Speech and Hearing Sciences "A Cross-Sectional Study of the Portrayal of Childhood Speech Sound Disorder Interventions in YouTube Videos"

CHLOE SMITH

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CHLOE SMITH

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VIVIANA DENOVA

Major in Finances and Business Management

Mentor: Dr. Gevorg Sargsyan Assistant Professor of Finance



Research in Finances and Business Management "The Financial Impact of COVID-19 on Businesses in Dining and Hospitality Industries in Southeast Texas"

VIVIANA DENOVA

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