

**TCNJ Celebration of Student Achievement – Computer Science**

**Wednesday, May 5, 2021**

**Annual Award Ceremony: 12:00 – 12:30 PM**

**UPE Induction Ceremony: 12:45 – 1:15 PM**

**Presentation Session 1: 1:30 PM – 4:15 PM**

Timing	#	Type	Presenter	Title	Faculty Mentor	Committee 1	Committee 2
From 1:30 PM To 2:00 PM	1	Mentored Research	Yash Dhayal Jake Morales Christopher Smith	Racial Inequality & Brownfields: Data Analytics of a Trentonian Issue Visualizing the Social Impact of Brownfields Developing a Predictive Model to Identify Polluted Sites	Dr. Pulimood	Dr. Knox	Dr. Papamichail
From 2:00 PM To 2:30 PM	2	Mentored Research	Anushka Krishnakumar Matthew Mabrey Heavenly Medina	Front End Development for the Green TCNJ Administrative Portal Green TCNJ Environmental and Recycling Mobile App: Back End Implementation Green TCNJ: Developing a Cross-Platform Mobile Application Using the Ionic Framework	Dr. Knox	Dr. Pulimood	Dr. Papamichail
From 2:40 PM To 2:55 PM	3	Mentored Research	Ian Spiegel	Utilizing NLP to Analyze Project Descriptions in CABPortal	Dr. Pulimood	Dr. Knox	Dr. Papamichail
From 2:55 PM To 3:10 PM	4	Internship	Samuel Bishop	Server Administration Internship	Dr. Papamichail	Dr. Pulimood	Dr. Turka
From 3:10 PM To 3:25 PM	5	Mentored Research	Amulya Badineni Gabrielle Curcio	Music Score Transcription	Dr. Papamichail	Dr. Knox	Dr. Turka
From 3:25 PM To 3:40 PM	6	Mentored Research	Numaan Cheema	Computational Tools for Synthetic Gene Optimization	Dr. Papamichail	Dr. Pulimood	Dr. Turka
From 3:45 PM To 4:00 PM	7	Mentored Research	Carolyne Holmes Matthew Mabrey	The Level Ancestor Problem in Practice	Dr. Papamichail	Dr. Knox	Dr. Turka
From 4:00 PM To 4:15 PM	8	Mentored Research	Akira Takada	Decodon Calculator: The Next Generation	Dr. Papamichail	Dr. Pulimood	Dr. Turka

YouTube Links

- Award Ceremony: <https://youtu.be/mcsbptoGnq8>
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- Presentation 1: [https://youtu.be/ngs7\\_ZN09To](https://youtu.be/ngs7_ZN09To)
- Presentation 2: <https://youtu.be/AploBSLz6Uo>
- Presentation 3: [https://youtu.be/iLO2\\_nsvGyk](https://youtu.be/iLO2_nsvGyk)

**Student reviewers and families are encouraged to watch the event via YouTube streaming.** Zoom sessions are only for presenters and faculty due to space limits.

**Presentation Session 2: 1:30 PM – 4:00 PM**

Timing	#	Type	Presenter	Title	Faculty Mentor	Committee 1	Committee 2
From 1:30 PM To 1:45 PM	9	Mentored Research	Forum Modi	ASL Tutor - Learning Sign Language with the Leap Motion Sensor	Dr. Salgian	Dr. Li	Dr. Das
From 1:45 PM To 2:00 PM	10	Mentored Research	Gordon Petry	Image Based Workout Tracker	Dr. Salgian	Dr. Li	Dr. Das
From 2:00 PM To 2:15 PM	11	Mentored Research	Matthew Van Soelen	Generating Diffractive Optical Elements for Laser-Based Image Projection	Dr. Salgian	Dr. Li	Dr. Das
From 2:15 PM To 2:30 PM	12	Mentored Research	Michael Mongelli	ASL Recognition Using Machine Learning	Dr. Salgian	Dr. Li	Dr. Bloodgood
From 2:45 PM To 3:00 PM	13	Mentored Research	Mark Boutros	Speed up Caller ID Authentication	Dr. Li	Dr. Salgian	Dr. Bloodgood
From 3:00 PM To 3:15 PM	14	Mentored Research	Calvin Kim	A Study of Binary Code Obfuscation	Dr. Li	Dr. Salgian	Dr. Bloodgood
From 3:15 PM To 3:30 PM	15	Mentored Research	Justin Pabon	Enhance McCreight Algorithm to Build Wordlist for Hashcat	Dr. Li	Dr. Salgian	Dr. Bloodgood
From 3:30 PM To 3:45 PM	16	Mentored Research	Ethan Staiman	Efficiencies of Implementing Tor with a Connectionless Protocol	Dr. Li	Dr. Salgian	Dr. Yoon
From 3:45 PM To 4:00 PM	17	Mentored Research	Eain Kelton	Analysis of Product Review Annotations for Machine Learning	Dr. Bloodgood	Dr. Li	Dr. Yoon

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**Presentation Session 3: 1:30 PM – 3:30 PM**

Timing	#	Type	Presenter	Title	Faculty Mentor	Committee 1	Committee 2
From 1:30 PM To 1:45 PM	18	Mentored Research	Ryan Bogutz	End-to-End Image Generation with Subjective Attributes: A Comparative Study	Dr. Yoon	Dr. Ferdous	Pf. DeGood
From 1:45 PM To 2:00 PM	19	Mentored Research	Adam Casto	Visualizing and Predicting Hurricane Trajectory Using Long Short Term Memory	Dr. Yoon	Dr. Ferdous	Pf. DeGood
From 2:00 PM To 2:15 PM	20	Mentored Research	Alexander Viola	Constructivism Approaches for Computational Emotions: A Systematic Survey	Dr. Yoon	Dr. Ferdous	Pf. DeGood
From 2:15 PM To 2:30 PM	21	Mentored Research	Thomas Westra	Golf Coaching App Using Computer Vision	Dr. Yoon	Dr. Ferdous	Pf. DeGood
From 2:45 PM To 3:00 PM	22	Mentored Research	Kenneth Zepeda	Machine Learning up to Bat	Dr. Yoon	Dr. Ferdous	Pf. DeGood
From 3:00 PM To 3:15 PM	23	Mentored Research	Svanik Shirodkar	Developing a Visual Sickness Questionnaire	Dr. Ferdous	Dr. Yoon	Dr. Das
From 3:15 PM To 3:30 PM	24	Mentored Research	Matthew Zidar	PepAR: An Augmented Reality Remote Collaboration Tool	Dr. Ferdous	Dr. Yoon	Dr. Das

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Session 1	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5
1	Bishop, Samuel A	Mabrey, Matthew	Holmes, Carolyne	Peppe, Dean G	Rich, Zachary I
2	Bishop, Samuel A	Takada, Akira S	Holmes, Carolyne	Peppe, Dean G	Rich, Zachary I
3	Takada, Akira S	Mabrey, Matthew	Hallak, Karam	Prabu, Thendral	Lishko, Casey
4	Abdul Wadud, Ma'Sum	Chen, Jason	Hallak, Karam	Prabu, Thendral	Lishko, Casey
5	Abdul Wadud, Ma'Sum	Chen, Jason	Hutchinson, Dalton	Russell, Allison	Bonaguidi, Nic Alan
6	Aquino-Solomon, Jordan	Gratti, Andrew G	Hutchinson, Dalton	Russell, Allison	Bonaguidi, Nic Alan
7	Aquino-Solomon, Jordan	Gage, Lakaylah M	Lu, Poean	Rogers, Luke	Bajwa, Tooba
8	Gratti, Andrew G	Gage, Lakaylah M	Lu, Poean	Rogers, Luke	Bajwa, Tooba
Session 2	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5
9	Rychkov, Roman	Taylor, Jack	Boyd, Jacob S	Leynes, Owen	
10	Rychkov, Roman	Taylor, Jack	Boyd, Jacob S	Leynes, Owen	
11	Zughbi, Billal	Phung, Sarah L	Camilli, Thomas E	Johnson, Zahir X	
12	Zughbi, Billal	Phung, Sarah L	Camilli, Thomas E	Johnson, Zahir X	
13	Petry, Gordon	Guns, Kevin D	Greco, David	Modi, Forum J	
14	Petry, Gordon	Guns, Kevin D	Greco, David	Modi, Forum J	
15	Williams, Kevin	Frade, Isabel L	Wain, Justin C	Kurlandski, Luke J	
16	Williams, Kevin	Kilibarda, Nikola	Wain, Justin C	Calva, David M	
17	Frade, Isabel L	Kilibarda, Nikola	Kurlandski, Luke J	Calva, David M	
Session 3	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5
18	Shirodkar, Svanik	Popper, Alyssa	Lim, Sarah M	Jo, Jessica	
19	Shirodkar, Svanik	Stiesi, Jenna R	Lim, Sarah M	Vempati, Abhijit	
20	Popper, Alyssa	Stiesi, Jenna R	Jo, Jessica	Vempati, Abhijit	
21	D'Amico, Alexander	Lewis, Casey J	Masson, Esteban	Naimath, Fayez	
22	D'Amico, Alexander	Lewis, Casey J	Masson, Esteban	Naimath, Fayez	
23	Zepeda, Kenneth A	Viola, Alexander J	Westra, Thomas G	Patel, Vihan H	Klaskala, Kevin W
24	Zepeda, Kenneth A	Viola, Alexander J	Westra, Thomas G	Patel, Vihan H	Klaskala, Kevin W

Reviewer Form Link: [https://tcnj.co1.qualtrics.com/jfe/form/SV\\_57owtmlpOJHmbiu](https://tcnj.co1.qualtrics.com/jfe/form/SV_57owtmlpOJHmbiu)