



Rensselaer

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ECSE

Department of Electrical, Computer, and Systems Engineering
at Rensselaer

ECSE 2022 Commencement Reception

Thursday, May 19, 2022

Congratulations – ECSE Class of 2022!



This event is both in person and on [WebEx](#).
WebEx session will be recorded.

Program

- Welcome (ECSE Dept Head: John Wen)
- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Computer and Systems Engineering
- Remarks by Class 2022 Advisors
- ECSE Master's Program Graduates
- ECSE Doctoral Program Graduates
- Remarks by ECSE Master's and Doctoral Program Directors
- ECSE Awards
- ECSE Photo Vignettes
- ECSE Farewell
- ECSE Connection
- Raffle!

ECSE Faculty and Staff

Faculty

Abouzeid, Alhussein, A.
Bhat, Ishwara
Chen, Tianyi
Chow, Joe H.
Chow, Tat-Sing Paul
Dutta, Partha
Franklin, W. Randolph
Hameed, Mahmood
Hella, Mona
Huang, Z. Rena
Ji, Qiang
Julius, Anak Agung
Kanai, Junichi
Kar, Koushik
Karlicek, Robert F., Jr.
Kraft, Russell P.
Lu, James
Neti, Prabhakar
Paternain, Santiago
Radke, Rich
Rees, Dylan
Sawyer, Shayla
Schoch, Paul
Schubert, E. Fred
Shur, Michael
Sun, Jian
Tajer, Ali
Vanfretti, Luigi
Wang, Meng
Wen, John
Wilt, Kyle
Yazici, Birsen
Zhang, Tong

Administrative Staff

Laraine Michaelides
Gina Moore

Technical Staff

Bill Mnich
Jason Anthony

Student Coordinators

Rama Hamarneh
Kelley Kritz

Financial

Ginette Kirkpatrick

IT

Randall Fitsik

Congratulations - EE B.S. Graduates!

Summer 2021

Rao, Nishka
Yang, Zihao
Wu, Yizhe

Fall 2021

Channagiri, Hari P.
Hu, Thomas
Chu, Justin Ryan
Dai, Lawrence Tong
Jain, Rahul
Goodman, Emma Jean
Foye, Nathaniel D.
Starace, Dylan Thomas
Gauvin, Bryce James
Gauvin, Bryce James
Lee, Eunchan
Muniz, David

Chen, Rongheng
Zhou, Zhengting
Niguidula, Brian Willem
Sutherland, Kelsey
Dziadosz, Leia Gabrielle
Li, Yujia
Shen, Yang
Pike, Charles Andrew
De Feijter, Maxwell Connor
Song, Chengtao

Congratulations - EE B.S. Graduates!

Spring 2022

Abrams, Jacob B.
Altomare, Nico M.
Bennett, Caitlin A.
Buckley, Connor G.
Burpee, Zachary C.
Citarella, Clara G.
Davis, Kara R.
Dou, Yuan
Druehl, Elise C.
Duff, Kyle P.
Dunn, Brendan B.
Essuman, Papa-Sam K.
Faulkner, Alison C.
Gao, Shang
Gould, Damien D.
Gray, Mikaela L.
Grocott, Emily J.
Holowka, Erika G.
Hu, Mengqian
Hua, Siqi
Iqbal, Mohammad H.
Jiang, Xinyu
Kemoun, Intisar
Kilburn, Colin J.
Lewin, James B.
Li, Leon
Li, Yineng

Li, Zehao
Lika, Keven
Liu, Bowen
Liu, Jiexiang
Liu, Orris
Loder, Brennan M.
Ma, Kewei
Ma, Yingqi
McKinney, Thomas A.
Nesathurai, Allan H.
Okin, Noah S.
Olvera, Galilea
Paoli, Matthew
Pei, Dawei
Ramos, Felicia G.
Ranney, Thomas E.
Reers, Aaron J.
Segall, Eric
Seo, Ellen H.
Shen, Wenhao
Song, Chengtao
Song, Daniel J.
Su, Zhiheng
Toner, Max A.
Varanasi, Shreya S.
Wang, Brian C.
Wang, Justin
Wang, Luechen
Wang, Xuxin

Wilcox, Reagan L.
Wolf, Eric J.
Wu, Vickie
Wu, Zhuoming
Xi, Beige
Xie, Sihan
Xing, Yingjie
Xu, Ganqi
Yang, Kai
Yang, Zihao
Yin, Yifei
Yoon, Enoch
Zhang, Cheng
Zhang, Emily
Zhao, Guanjie
Zhao, Xudong
Bahr, Fern
Barkley, Kaitlin E.
Botsford, Kyle S.
Cama, Evan
DeGaetano, Joseph D.
Garuti, Chris M.
Holt, Cameron S.
Meehan, Kevin J.
Okada, Ryugo
Orris, Zach L.
Ramaswamy Naresh Prabhu,
Niyanthri

Stockbridge, Ethan M.
Stratton, Andrew J.
Tao, Zhicheng
Wanner, Ryan J.
Yu, Guanxiao
Hubbard, Justin M.
Kidd, Devan J.

*This is the preliminary clearance list for Spring 2022 –
Registrar's office is still completing final clearance.*

Congratulations - CSE B.S. Graduates!

Summer 2021

Mao, Yuyang
Dennerlein, Matthew Joseph

Fall 2021

Eagan, Alexandra Vu Pia
Barker, Cameron
Luo, Lawrence Ray
Khanschassoff, Andrew
Mark
Shrestha, Raunak
Huang, Vincent Pei-hao
Benelli, Gabriel
Zhou, Liu
Unger, Benjamin I.
Hempstead, Carter
Chavarin, Elizabeth S.
Schachter, Mark Adam

Naranjo Torres, Alejandro
Tebeau, Lauren
Wang, Kevin
Andrew, Kyle D.
Chan, Fanny
Lutzykowski, Nicholas
Andre
Cunningham, Justin J.
Woods, Chace Michael
Lu, Zhenyu
Yee, Destin Y.

Congratulations - CSE B.S. Graduates!

Spring 2022

Ahmed, Saaif Z.
Aung, Alex M.
Banta, Ashley G.
Bartolome, Cortez M.
Berne, Patrick C.
Borelli, Mark V.
Choi, Justin
Dai, Jane
Fetterman, Alex N.
Gevero, Adrian-James M.
Glosner, Connor E.
Hammel, Ivan B.
Honaker, Michael C.
Hopkins, Thomas W.
Horsington, Thomas J.
Jain, Suyash
Jeon, Issaic
Jian, Sissi
Jiang, Jack
Jin, Zhiqi
Johnson, Zachary A.
Khatiwala, Yash V.
Kumar, Mitesh
Langley, Erika M.
Li, Cynthia
Lin, Ray M.
Magyar, Sandor Z.

Marashaj, Caila P.
Marronaro, Amanda R.
Murali, Athreya
Murray, Mariano M.
Nam, Kyu Seok
Que, Jonah
Rao, Roland M.
Red, Brandon D.
Rosas, Katherine M.
Schnur, Ryan T.
Seslowsky, Tommy P.
Shu, Zhan
Snyder, Chris J.
Song, Gavin
Spaar, Willa A.
Stahl, Megan S.
Thai, Phu T.
Thomas, Henry F.
Thomas, Jacob S.
Triolo, Frank
Wang, Yuchen
White, Nicholas B.
Wong, Mark L.
Wooding, Connor J.
Xu, Song
Yee, Kevin
Youngbar, Matthew T.
Yu, Felix

Zhang, Luoyan
Zhao, Mingzhen
Zhou, Yilu
Bahr, Fern
Barkley, Kaitlin E.
Botsford, Kyle S.
Cama, Evan
DeGaetano, Joseph D.
Garuti, Chris M.
Holt, Cameron S.
Meehan, Kevin J.
Okada, Ryugo
Orris, Zach L.
Ramaswamy Naresh
Prabhu, Niyanthri
Stockbridge, Ethan M.
Stratton, Andrew J.
Tao, Zhicheng
Wanner, Ryan J.
Yu, Guanxiao
Hubbard, Justin M.
Kidd, Devan J.

*This is the preliminary clearance list for Spring 2022 –
Registrar's office is still completing final clearance.*

Class of 2022 Undergraduate Advisors

Partha Dutta



Rama Hamarneh



Mahmood Hameed



Mona Hella



Junichi Kanai



Paul Schoch



Meng Wang



Luigi Vanfretti



Tong Zhang



ECSE Master's and Doctoral Program Directors

Alhussein Abouzeid
(ECSE Graduate Program Director)



Rich Radke
(ECSE Master's Program Director)



Congratulations – ECSE Masters Graduates

Summer 2021

Chen, Lisha
Akhtar, Airas
Chen, Lisha
Mascari, Nathan

Fall 2021

McGowan, Connor
Mahboob, Shadab
Zuo, Tianyu
Case, Jason
Liang, Zhizhuo
Ali Reza, Saad Bin

Spring 2022

Noble, Alyssa
Diaz, Ricardo
Ghosh, Anindita
Ike, Chukwuemeka
Davis, David Cohen
Berasley, Morgan
Song, Chengtao
Rathnayake
Mudiyanselage, Bhathiya
Xuefei Li
Andrew Nguyen
Berasley, Morgan
Justin, Glory
Mathew, Nancy
Moseley, Jack
Reed, John
Shiltsev, Mikhail
Torky, Mohamed

Congratulations – ECSE Ph.D. Graduates

Summer 2021

- **Hao, Jingpeng** “Improve Speed Performance of Mass Data Storage Systems” (Supervised by Tong Zhang)
- **Zhang, Lingyu** “Multimodal Machine Learning for Human Conversational Behavior Analysis” (Supervised by Richard Radke)
- **Chatterjee, Sarthak** “Analysis and Design of Closed-Loop Fractional-Order Systems and its Applications to Neurotechnology ” (Supervised by Agung Julius)
- **Konstantinopoulos, Stavros** “Active Power Control of Power Systems with High Renewable Penetration ” (Supervised by Joe Chow)
- **Douglas, Daniel** “Machine Learning Strategies for Power Systems ” (Supervised by Joe Chow)

Congratulations – ECSE Ph.D. Graduates

Fall 2021

- **Mansha, Muhammad Waleed** “Integrated Circuit Techniques for Terahertz Wave Rotational Spectroscopy ” (Supervised by Mona Hella)
- **Park, Junsung** “Carbon Nanotubes for Sensing and Terahertz Applications” (Supervised by Michael Shur)
- **Zhang, Shuai** “Non-convex optimization in machine learning ” (Supervised by Meng Wang)
- **Adhikari, Prottay M.** “Synchrophasor-based Monitoring, Protection, and Control of Distributed Energy Resources ” (Supervised by Luigi Vanfretti)

Congratulations – ECSE Ph.D. Graduates

Spring 2022

- **Oakes, Kimberly** “Large Load Manipulation Using Flexible Joint Manipulators” (Supervised by John Wen)
- **Peterson, Amelia** “Oxygen Adsorption and Photoconduction Models for Metal Oxide Photodetectors ” (Supervised by Shayla Sawyer)
- **Qiao, Yifan** “Design of Data Management Systems upon New Memory and Storage Hardware” (Supervised by Tong Zhang)
- **Mou, Xiangyang** “Neural Semantic Structural Modeling for Complex Question Answering Tasks” (Supervised by Qiang Ji)
- **Katauskas, Alex** “Low Temperature and Impurity Compensated Gallium Antimonide Crystal Growth for Nonlinear Optical Applications ” (Supervised by Partha Dutta)
- **Islam, Ashraful** "Learning in Limited Data and Limited Annotation Scenarios" (Supervised by Rich Radke)

Focus Area Certificates

Artificial Intelligence and Machine Learning

Saaif Ahmed
Zehao Li

Communications and Computer Networks

Cameron Holt
Chin-Yung Wang
Christopher Snyder
Niyanthri Ramaswamy
Naresh Prabhu
Shreya Varanasi
Yingjie Xing
Zachary Burpee
Zhiheng Su

Computer Hardware Systems

Chris Garuti
Evan Jin Yong Cama
Felicia-Anne Ramos

Control Systems

Ellen Seo
Niyanthri Ramaswamy
Naresh Prabhu
Wenhao Shen

Electric Power and Energy

Brennan Loder
Maximillian Toner

Mixed Signal Electronics

Andrew Stratton
Ang Li
Bowen Liu
Connor Buckley
Erika Holowka
Evan Jin Yong Cama
Zhicheng Tao
Jacob Abrams

Microelectronics and Photonics

Aaron Reers
Xinyu Jiang

Robotics and Automation

Ashley Banta

ECSE Awards

Allen B. Dumont Prize

Muhammad Waleed Mansha
Sarthak Chatterjee

The Charles M. Close '62 Doctoral Prize

Amelia Peterson

The Henry J. Nolte Memorial Prize

James Lewin
Brennan Loder

The Ricketts Prize

Rahul Jain
Zach Orris

4.0

Connor John Wooding
Zachary L. Orris

Charles D. Dyce Prize (1975)

Joshua Pratt

Lt. Charles D. Dyce Award (Army)

Gregory O. Kotlyarsky

The Wynant James Williams Prize

Sandor Magyar
Charles Pike

The Harold N. Trevett Award

Maxwell de Feijter
Allan Nesathurai

Jerry Dziuba Graduate Service Award

Lauren Brady
Burak Varici

Constellation Energy Scholarship

Michael Awad
Davis Piercy
Allan Nesathurai

Dr. Alireza Seyedi '99, '04 Teaching Assistant Award

Anindita Ghosh

The MacFarlane Prize

Madeline R. Avni

ECSE Vignettes

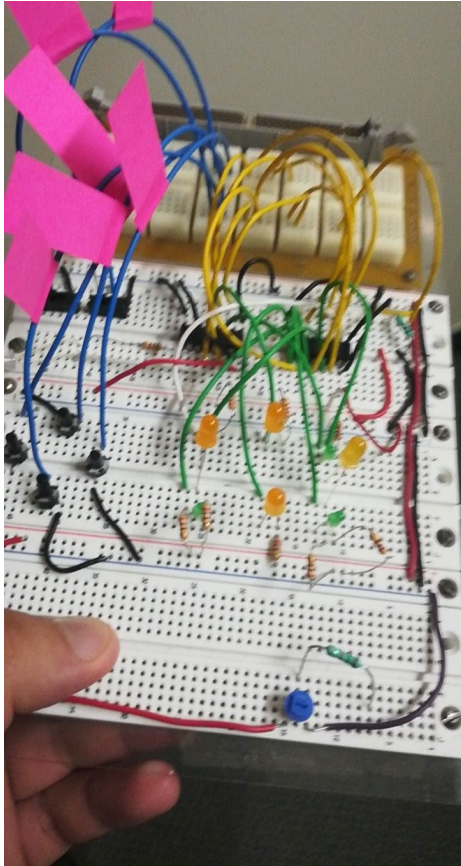


Mark Borelli

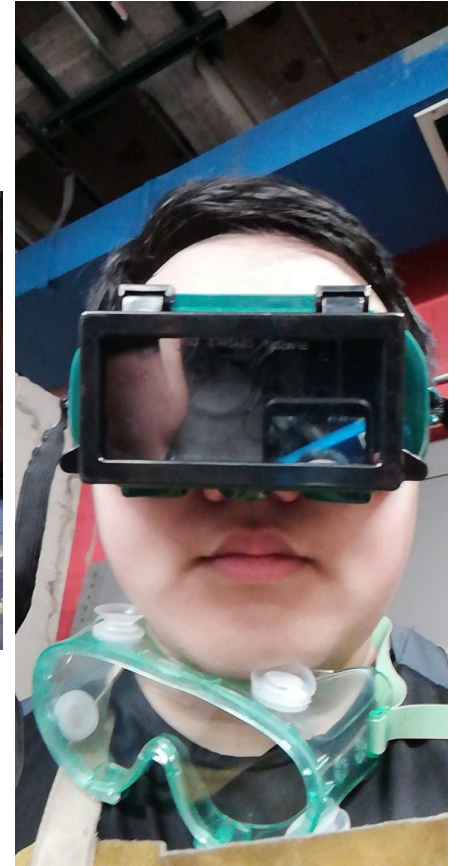


Yingqi Ma

ECSE Vignettes



Andrew Nguyen



Power of ECSE

2022 Granger Award



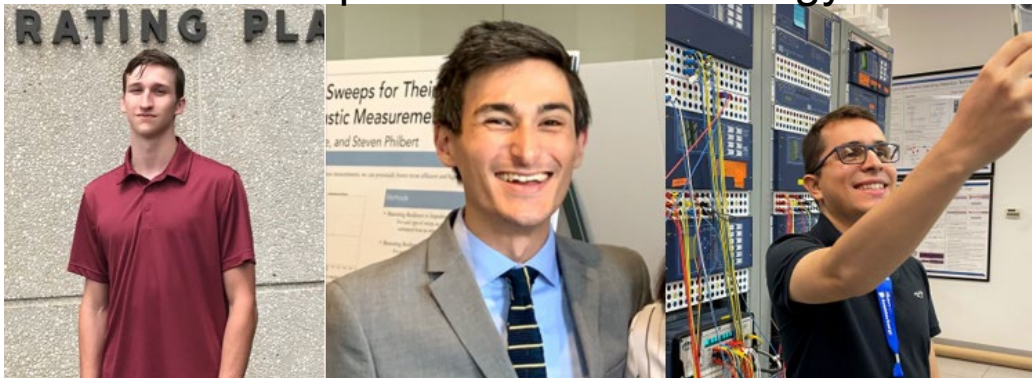
Brennan Loder Allysya Noble Allan Nesathurai

2021 Exelon Scholarship

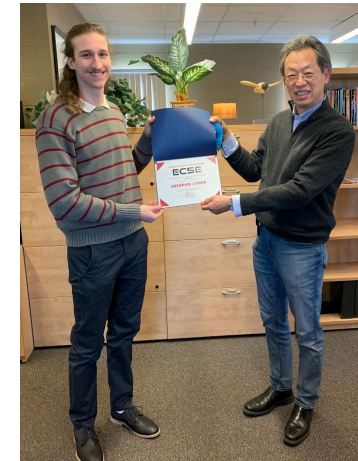


Eric Segerstrom Chauncey Upsher

Internship with Dominion Energy



Brennan Loder Eric Segerstrom Sergio Dorado-Rojas



Brennan Loder

ECSE Vignettes

IC Fab Lab



Nascent Robotics Club





Board Game Night



Trivia Night



ECSE 1010 Tutoring

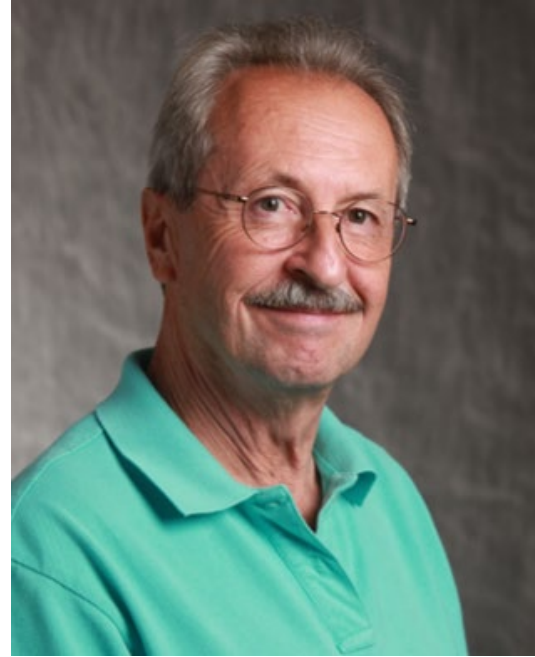


Farewell Long Time ECSE Technical Staff

Jerry Dziuba

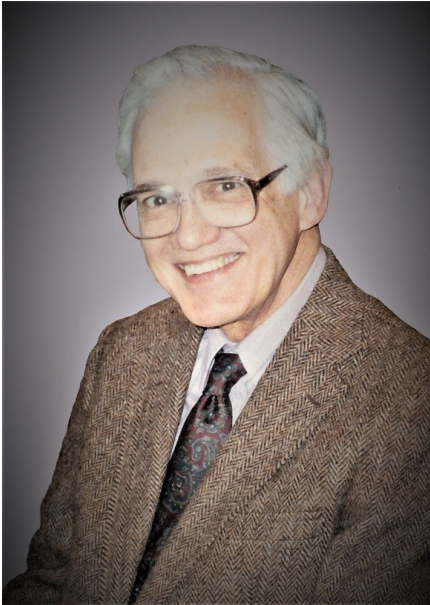


Steve Dombrowski



Farewell Long Time ECSE Faculty

Charlie Close



Frank Di Cesare



Best Wishes to the Next Stage in Life!

Manoj Shah



Partha Dutta



Mahmood Hameed



Where ECSE Graduates Are Making Impacts!



Stay in Touch! (Send updates and photos!)



@EcseRpi



ECSE RPI Students Graduates and Friends



@ECSEDeptRPI



ecse.rpi.edu

Share your future contact information:

Undergraduates: https://rpi.qualtrics.com/jfe/form/SV_dpqiUVCJtxOuKHA

Graduates: <https://forms.gle/V1L4MshyckNVgte26>

Commencement Events

Commencement: **Saturday, May 21, 2022**

<https://commencement.rpi.edu>



The Honorable Richard N.
Haass, Ph.D.



The Honorable Francis S.
Collins, M.D., Ph.D.



The Honorable Shirley Ann
Jackson, Ph.D.

<https://president.rpi.edu/colloquy>

RPI PHD Hooding Ceremony May 20, 2022, 9:00 AM

19th President of RPI – Part of ECSE Family!

Marty Schmidt

Class of 81, new ECSE Faculty!



Raffle Time!

