College of Engineering & Computer Science

CONVOCATION

May 2022





A Message from the Dean

Dear Graduates,

Congratulations on earning your degree from Syracuse University! This degree will mean something different to each of you. Maybe you are in the first generation of your family to earn a degree. Some of you will continue your studies in graduate school or within an academic or research lab career. Perhaps you were unsure if this day would ever come as you struggled to surmount curricular, research, or personal barriers. Regardless of your path, you have every reason to be immensely proud of your accomplishments.

Your Syracuse education will be transformative as you begin your career. By now, you have surely come to realize that the skill sets you obtained here are just part of the benefit of your degree: You are tremendously valuable because of your problemsolving mindset, and because you can respond to ever-changing challenges. After all, we have certainly learned that the issues that confront us now are (clearly!) not the issues that confronted the world five years ago, and they won't be the ones that confront us five years from now.

Engineering and computer science problems are fraught with uncertainty and complexity, and often require a vast skillset that no one person has. They require us to work with people in different disciplines, with different backgrounds, and having a broad array of different goals. I plead with you not to underestimate your own importance in addressing the grand challenges that our society faces. Those difficult courses, papers, and projects you labored through are designed precisely to help you as you embark on your next phase of life. Maybe you worry that in the workplace, you won't remember certain formulas, will forget how some algorithm works, and won't know the latest programming language that a new generation adopts. This is inevitable; what matters is the fact that you know how to learn, adapt, and innovate, just as you did during your time at Syracuse.

As a Syracuse University alumnus, you will surely serve as an inspiration to future generations. As you build a safer, healthier, and more sustainable world, be sure to stay in touch and find ways to inspire the next generation with your knowledge, experience, and support. Your faculty and staff will miss you more than you think, and they care deeply about your continued success. Please take the time to connect with us, thank the ones who meant the most to you during your journey here, and stay in touch to share your continued success with us.

Sincerely,

J. Cale duth

J. Cole Smith, Dean, College of Engineering & Computer Science Syracuse University

We dedicate College of E	this program to all Engineering and Co	past and present omputer Science	t students of Syrc and to their fami	acuse University's lies and friends.

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Convocation Program

PRESIDING

Sinéad Mac Namara, Ph.D., Associate Dean for Student Affairs

ACADEMIC PROCESSION

Faculty, Distinguished guests, Academic Leadership of the College, and the Dean

WELCOME

Cole Smith, Dean, College of Engineering and Computer Science

PRESENTATION OF CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY & AWARDS FOR OUTSTANDING DOCTORAL DISSERTATIONS

PRESENTATION OF CANDIDATES

Civil & Environmental Engineering

THE UNDERGRADUATE STUDENT PERSPECTIVE

Oduduabasi James Isaiah, Candidate for Chemical Engineering B.S. Alexander Timothy Metcalf, Candidate for Aerospace Engineering B.S.

PRESENTATION OF CANDIDATES

Biomedical and Chemical Engineering

THE GRADUATE STUDENT PERSPECTIVE

Paul Mokotoff, Candidate for Mechanical & Aerospace Engineering M.S.

PRESENTATION OF CANDIDATES

Mechanical & Aerospace Engineering and Engineering Management

GUEST SPEAKER

Kirthiga Reddy G'95 Computer Engineering

PRESENTATION OF CANDIDATES

Electrical Engineering & Computer Science, Cybersecurity and Systems and Information Science

CLOSING REMARKS FROM THE DEAN

ACADEMIC PROCESSION

Faculty, Distinguished guests, Academic Leadership of the College, and the Dean

PROCESSIONAL AND RECESSIONAL MUSIC

Fayetteville-Manlius High School Brass Quintet
TRUMPETS Ethan Batick, Alex Daly; HORN Sara Kronenberg;
TROMBONE Ben Sharples; BASS TROMBONE Sean O'Malley

Doctor of Philosophy Degree Candidates

This list represents the names of students who filed a diploma request card by April 1, 2022 to declare their candidacy for participation in graduation ceremonies.

Francis Enoch Akowuah

Ph.D. Computer and Information Science and Engineering

Advisor: Fanxin Kong

"Real-Time Adaptive Sensor Attack Detection and Recovery in Autonomous Cyber-Physical Systems"

Pallav K. Bera

Ph.D. Electrical and Computer Engineering

Advisor: Can Isik

"Data-driven Protection of Transformers, Phase Angle Regulators, and Transmission Lines in Interconnected Power Systems"

Seth Alan Brooks

Ph.D. Mechanical and Aerospace Engineering

Advisor: Melissa Green

"Analysis of Multiple Degree-of-Freedom Oscillatory Aquatic Propulsion"

Mohammad Mahdi Bushahri

Ph.D. Civil Engineering

Advisor: Baris Salman

"Transformational Leadership and the Adoption of Sustainability and Asset Management Practices in Ground Transportation Organizations"

Seungrag Choi

Ph.D. Chemical Engineering

Advisor: Lawrence Taylarides

"Aging Study of Silver-Exchanged Mordenite and Silver-Functionalized Silica Aerogel in Dry Air, Humid Air, NO and NO2"

Yinghui Dai

Ph.D. Chemical Engineering

Advisor: Shikha Nangia

"Development of Computational Antibiotic Screening Platform Across Bacterial Outer Membrane Proteins"

Haowen Fang

Ph.D. Electrical and Computer Engineering

Advisor: Qinru Qiu

"Algorithm Hardware Codesign for High Performance Neuromorphic Computing"

Ph.D. Candidates, continued

Nuzhath Fatema

Ph.D. Civil Engineering

Advisor: Shobha Bhatia

"Flow Behavior of Granular Soil and Impounded Fly Ash Slurries"

Hannah Charlene Fontenot

Ph.D. Mechanical and Aerospace Engineering

Advisor: Bing Dong

"Exploiting building demand flexibility through machine learning for building-togrid integration"

Xin Gao

Ph.D. Chemical Engineering

Advisor: Jesse Bond

"Rational Design of Supported Metal Catalysts for Carbonyl Reduction During Biomass Upgrading"

Baocheng Geng

Ph.D. Electrical and Computer Engineering

Advisor: Pramod Varshney

"Augmented Human-Machine Intelligence for Distributed Inference"

Francielli Genier

Ph.D. Chemical Engineering

Advisor: Ian Hosein

"New Solid Polymer Electrolytes for Lithium, Sodium, and Calcium-Based Batteries"

Emma Dawn Gist

Ph.D. Mechanical and Aerospace Engineering

Advisor: Mark Glauser

"Exploring Passive Flow Control Techniques Applied to a Supersonic Multistream Rectangular Nozzle"

Manish Gupta

Ph.D. Mechanical and Aerospace Engineering

Advisor: Shalabh Maroo

 $\hbox{``Molecular Interfaces and Heterogeneous Bubble Nucleation from Heated}$

Surfaces at Nanoscale"

Zeinab Saghati lalali

Ph.D. Computer and Information Science and Engineering

Advisor: Sucheta Soundarajan

"Fairness in Social Networks"

Swatantra Kafle

Ph.D. Electrical and Computer Engineering

Advisor: Pramod Varshney

"One-bit Compressed Sensing in the Presence of Noise"

Burak Kakillioglu

Ph.D. Electrical and Computer Engineering

Advisor: Senem Velipasalar Gursoy

"Computer Vision Applications for Autonomous Aerial Vehicles"

Justin Thomas King

Ph.D. Mechanical and Aerospace Engineering

Advisor: Melissa Green

"The Influence of Trailing Edge Shape and Kinematics on Bio-Inspired Pitching Panels"

Rajesh Kumar

Ph.D. Computer and Information Science and Engineering

Advisor: Chilukuri Mohan and Can Isik

"Treadmill Assisted Circumvention of Wearable Sensors-based Gait Authentication"

Kai Li

Ph.D. Electrical and Computer Engineering

Advisor: Yuzhe Tang

"Understanding and Hardening Blockchain Network Security Under Denial of Service Attacks"

Tong Lin

Ph.D. Mechanical and Aerospace Engineering

Advisor: Thong Dang

"Flow Interaction Between Turbomachine Blade Row and Flow Resistance Medium"

Rui Ma

Ph.D. Electrical and Computer Engineering

Advisor: Sara Eftekharnejad

"Enhancing Grid Reliability to System Events with Phasor Measurement Units"

Kathryn Marie Piston

Ph.D. Bioengineering

Advisor: Shikha Nangia

"Atomistic Investigation of Nucleosomal H3 Histone Tail in Unmodified and Epigenetically Modified States"

Sajag Poudel

Ph.D. Mechanical and Aerospace Engineering

Advisor: Shalabh Maroo

"Thermal Management using Liquid-Vapor Phase Change in Nanochannels"

Shuai Shao

Ph.D. Civil Engineering

Advisor: Charles Driscoll

"Effects of acid deposition and changing climate on the hydrochemistry and critical loads of watersheds in the Adirondack region of New York"

Ph.D. Candidates, continued

Pranay Sharma

Ph.D. Electrical and Computer Engineering

Advisor: Pramod Varshney

"Some New Results in Distributed Tracking and Optimization"

Jinwoo Song

Ph.D. Mechanical and Aerospace Engineering

Advisor: Young Bai Moon

"Mitigating Insider Threat Risks in Cyber-Physical Manufacturing Systems"

Sigi Tang

Ph.D. Chemical Engineering

Advisor: Lawrence Tavalarides

"Adsorption of Organic Iodides on Reduced Silver Functionalized Silica Aerogel"

Engda Kassahun Temesgen

Ph.D. Civil Engineering

Advisor: Dawit Negussey

"Investigation of Elastic Parameters and Pavement Modeling with EPS Geofoam"

Xueyuan Wang

Ph.D. Electrical and Computer Engineering

Advisor: M. Cenk Gursoy

"Performance Analysis and Learning Algorithms in Advanced Wireless Networks"

Evan Christopher Wayton

Ph.D. Electrical and Computer Engineering

Advisor: Jay Kyoon Lee

"Mutual Coupling Reduction Techniques for Multi-Band Base Station Antennas"

Thomas Stone Welles

Ph.D. Mechanical and Aerospace Engineering

Advisor: Jeongmin Ahn

"Manipulated Electrochemical Surface Reactions Induced by Oscillatory Electric Potentials on Metal-Based Electrodes"

Zheng Xiong

Ph.D. Bioengineering

Advisor: Pranav Soman

"Optical Printing of Multiscale Hydrogel Structures"

Tianyun Zhang

Ph.D. Electrical and Computer Engineering

Advisor: Makan Fardad

"Mathematical Optimization Algorithms for Model Compression and Adversarial Learning in Deep Neural Networks"

Tie Zheng

Ph.D. Civil Engineering

Advisor: Eric Lui

"A Variable Stiffness Energy Dissipation Device for Vibration Control of Steel Frames"

Chen Zhong

Ph.D. Electrical and Computer Engineering

Advisor: M. Cenk Gursoy and Senem Velipasalar

"Learning-based Decision Making in Wireless Communications"

Master of Science Degree Candidates

This list represents the names of students who filed a diploma request card by April 1, 2022 to declare their candidacy for participation in graduation ceremonies.

BIOENGINEERING

Samantha Abate Gabriela Angel Serena Rhianne Arnold

Ryan Bennett

Joseph Vincent Carnicelli

Mahlet Delelegn Yohely Maria Espiritusanto

Russell Fearon

Madison Leiman Qianfang Li Lyuyang Lyu Mark Maximilian Macios Myah Nicole Massenburg

Cole D Moberg

Nicholas Joseph Nelson Matthew Evan Orlando Natalie Marie Petryk Nelly Raissa Setchie-Tchato

Cesar Ivan Suarez Bearett Ann Tarris

Royce Robert Weber-Pierson

Lumeng Yang

CHEMICAL ENGINEERING

Emir Hadzic Hao Li Weixin Li

Xuyang Qin Ivan Yankov Sarbinov Kaixiang Zhang

CIVIL ENGINEERING

Olivia Ann Coakley Bianca Michelle Cruz-Hernandez

Oscar M Frias Saja Hashim Mingrui Jiang Niruthshanan Paransothy Reihaneh Samsami Sarah Margaret Stuehr Yiwei Wang

COMPUTER ENGINEERING

Barry L. Armour Nathan David Ayers

Nikilesh Balaii Corey S. Beaumont Nikhil Bharadwai Greg Boehler Jr. Xin Chen

Alexander Cignarella

lamie D. Clark liayu Ding Xiaminhao Ding Yannick Endeme

Yue Gu Xin He Shixiong liang

Nachiket Shrikant Kulkarni

Lichen Liang Zipeng Lin ling Lin

Yuchao Lu Fangkai Ma

Rutav Bhavesh Modi Geferjohn Pagador Corey Pardee Kyle J. Parry Nishant layesh Patel

Sri Kousthub Potluri

Shihao Ou

Michael lames Rice Ammar Salman Salman

Evan Smith

Santhosh Srinivasan Carolee Thompson Wenzhi Weng Zhaohua Zhang Shuangding Zhu

Rui Zuo

COMPUTER SCIENCE

Ogheneovo Adjarho Abu Shivani Alladi Nirutha Amaranath Richard Kofi Annan Andrew | Antes Ryan Anyi Riley Arnaudville Kenneth George Baca

Priyanka Dnyanoba Balwadkar

Moloy Bhattacharyya Deekshith Bommisetty Matthew Brady Peivi Cao

Ousmane Barry

David Castello Harrison Borhann Chen

Min Yen Chiang Christopher Jongchil Choe

Md Fazle Rabbi Chowdhury

Shania Tierra Daley Kyle Darling Alison Nicole Davis

Swapnil Ghanshyam Deshaware

Wanning Ding Sifan Dong Shiyani Donthi Privanka Dutta Miriam Farrington Sabvson R Fernandes Yuon Flemming

Kevin Fu Prasanth Chakravarthy Gajula

Hang Gao

Sri Satya Praveen Gatti

Pallavi Giri

Huangxuanyu Gong Moises A. Gonzalez Blavne Spencer Gower II Cliford Guillaume

Preeti Gupta

Brandon Edward Hancock

David L. Howick Michael A. Hrishenko Sved Z. Islam

Smitha Ithal Sadashiva

Rich Jiang

M.S. Candidates, continued

COMPUTER SCIENCE, CONTINUED

Ravi Teja Kakara

Ratna Manikanta Ajay Kumar Kakarala

Sai Srinidhi Kanchi Shraddha Kandula John Ankyun Kang Kshitiz Kesharwani

Shweta Milind Kolhatkar

Venkata Sai Pawan Komaravolu

Pranav Jitendra Kulkarni Venkata Naga Abhiram Kuppa

Matthew LeMay

Li Li Peilin Li Qinzhou Li

Ang Li Jingwen Ling Ruipeng Liu Zhiguang Liu Mengqian Liu

Chaoying Lyu Weilai Mao

Patrick S. McDougle Jason D. Mitchell Hemaleka Mohanram Tanay Reddy Nagireddy Sashank Nalamati

Rakshith Nallahally Shivanna Nohil Dilip Narkhede Heet Paresh Navsariwala

Phillip J. Neidlinger

Matthew Nelli Andrew M. Nelson

Ahmad Maher Noureldine Maya Ostoin

Aravind K. Patnam

Vaidyanathan Perunthootam Krishnamoorthy

Richard Pfautch Jr. Luan Duc Phan Pujan Sanjaykumar Prajapati

David John Pretola Manideep Ramineni Prathma Rastogi Kiel Russell

Sanath Krishna Satish

William Scott Sahil Sehgal Anmol Nailesh Shah Shoaib Sheikh Tong Shen

Ramireddy Singareddy

Akansha Singh

Vaibhav Vasant Sonawane

Shweta Srivastava Jackson R. Taber Sampada Talwar Santosh Thomas Akshay Ashish Vaskar

Eric Voje
Haotong Wang
Fang Wang
Minyang Wang
Jibrant Washington
Stephen Daniel Woodard

Tyler Wright Kefu Wu Yang Xiao Biyuan Yang Nan Ye

Kanishk Yenugula

Yuexin Yu Honghao Zeng Lin Zhang Youdan Zhang Yueling Zhang Yixin Zhou Ziyan Zhou

CYBERSECURITY

Orkhon Adilbish Bharath Ratna Karumudi Fnu Ahmed Matthew lames Moran

Abdullah Mohammed A Alnasser **Dustin Naylor** William Etienne Begert loas Occes Adrian Bernat Igwe A. Onumah

Tarun John Cherian Ramesh Pattarkudi Narasimman

Michael L. Duke Sneden Rebello Stephanie L. Eordanidis Christian Reves Gaurav Sanjiv Upadhyay **David Roberts**

Abigail Gillett Ethan Rongguang Song

Ashish K. Gupta Ming Zhang lalen Harris

ELECTRICAL ENGINEERING

Ahmed Abyadh Tianshu Ren

Kushal Raieshbhai Desai Stephen Joseph Rogers Lawrence Michael Fredsell Kyle Richard Waldeck

Donglai Li Dian Wang Gokul Manappetty Syamalan Yuzhe Yan Brandon Taylor Pugh Milin Zhang

ENGINEERING MANAGEMENT

Matthew Thomas Butler Yuqing Liu Yiwen Cheng Matthew Niwelt Katherine Cooper Sai Kumar Palevela Katherine Grace Driscoll Stephanie Ruth Speaker

Francois Gerard Ilagan Eco Xin Sun

Teerit Teppukdee Aaron Musharraf Jafri Eric Kessler Guo Tian Kevin Ward

John Larkin Silvio-Antonio Nicola Zallo

Lily Larkin Chenhao Zhang

ENVIRONMENTAL ENGINEERING SCIENCE

Cameron Todd Hauberg

ENVIRONMENTAL ENGINEERING

Rvan Gregory Kiev Siddhant Bansal

Bryan King

M.S. Candidates, continued

MECHANICAL AND AEROSPACE ENGINEERING

Nicholas Scott Barney Paul Robert Mokotoff Colin Santangelo Stephen Palmer Bogan Rishov Chatterjee Zhaoning Song Aleksandar Dzodic Sriram Srinivasan Sareta Rose Gladson Austin James Sumner **Emily Ann Greaney** Zhengwang Tan Connor Hayes Yanbing Tang Xiaohai He Zheng Tang Thomas Tolbert

Poojan Indrajeet Kaswekar Thomas Tolb
Peter Le Porin Tszho Wong
Tianjian Lian Jiayu Yang
Jiayi Lu Yi Yang

Sarah Ann Michael Benjamin Paul Zakzewski

Bachelor of Science Candidates

This list represents the names of students who filed a diploma request card by April 1, 2022 to declare their candidacy for participation in graduation ceremonies.

AEROSPACE ENGINEERING

Adam Aly Austin Lloyd Bellis Wiley Sheng Chen

Julia M. Comerford Nicholas Daniel Crane Brian lames Cronin

Harshil Mayank Desai Christopher John Doherty

Jonah T. Durham Sean Edelman

Christopher Eric Engel Matteo Ivan Ficarella Alyssa Jordan Henley Yaser Hernandez Perez Benjamin John Kane

Eleanor Jane Lawler

Luis Enrique Lebrón Aponte Stephen Matthew Wei Leung

Noah Martel

Maxwell Joseph Martin Mariana C. McManus

Alexander Timothy Metcalf

Romeo Michelson

Matthew Charles Murino

Mark Namatsaliuk Jarod I Okamura

Randall McGinnis Osborn

David Dang Pham

Matthew Anthony Qualters Brandon Walker Riley

Tracey Josephine Rochette

Cain Rodriguez Alyssa M. Rote

Nicholas Mizero Rubayiza Gregory Joseph Ruef Fred Evan Schaffer Justine John A Serdoncillo

Vraj Shah Prabha Singh

Christopher John Stawarski

Ethan J Stocum Tiffany D. Tang

Timothy Dwayne Wiley

BIOENGINEERING Bianca Louise Andrada

Jillian A. Arroyo-Mark
Colby James Black
Matthew James Brady
Anna Mae Brunson
Britnie Jean Carpentier
Katherine Ann Gardner

Victoria Li Rui Hathaway Avinash Jagroo

lan G. McHugh Lindy M. Melegari

Andreea Cristina Merloiu

Alexander Patrick Musselman

Mark Nicola Nicole E. Nielsen Fawaz O. Okoya Connor Preston

Mark James Ransbottom Pablo David Serrano Kimberly Tlayaca Matthew M. Tommasi

Zhuoqi Tong

Edgardo Velazquez

Maximillian Meier Wilderman

B.S. Candidates, continued

CHEMICAL ENGINEERING

Paige O. Adebo Adriana M. Archilla

Steven Matthew Axelsen Athena Andrea Basdekis Lilly Robertson Basgall

Sandy Ynhu Cao

Sophia Elizabeth Figueroa David Anthony Fikhman

Ali Ghanim

Brent Tadao Gosselin Oduduabasi James Isaiah Stanley limenez Laxmi Khatiwada

Simran Dharmendra Lakhani

Caroline I. Leduc Rawia F.A.M. Marafi Angela Lauren Martinez

Daniel I. Pelkey Owen S. Potenziano Rvan Gordon Rversen Elizabeth M. Wall

CIVIL ENGINEERING

Sebastian M. Aranguiz Nicole Ayora Maxwell Bell Lucas Bellandi Iohn Blum Ryan Bourdeau Shalamar M. Brown Alycia Joline Bruce Joli L. Cacciatore Brett M. Carney Vanessa Chica

David Coghiel Alejandro E. Correa Giselle Guadalupe Garcia

Maraea K. Garcia Stephen Goffredo Matthew Paul Hauser Maxwell lames Karl Ioshua Michael Kaufman Christopher I. Klein Daniel Leyva

Erick Lojano-Quispe John M. Mazza

lessica M. McGowan David I. Montaleza

Amira Aude Citlali Mouline

Marissa R. Nicole lenifer Pena

Joseph Charles Penta Gabriel Jacques Prepetit Angie M. Rodriguez Cassie Elizabeth Saracino Erik Richard Schassberger

Christian Viola Isabelle Wong

Charles Charel Zeitoune

Sifei 7hu

COMPUTER ENGINEERING

Prosper N. Adabla Jr. Mergim Azemi Carlon Brown

Dynasty Da'Nasia Chance

Kongxin Chen Hossain M. Delwar Ketan Dubey Xavier Evans

Delaney R. Glassford Ethan Hensley

Virkin Jimenez

Robert Nicholas Kashian

Bikash Khatiwoda

Jason C. Kirk

Nicholas Kent Magari

Derrick Nana Yaw Osei Owusu

Daniel Rose Hongyi Ruan

Kyle M. Slusarczyk Rvan Matthew Wolff

Andy Zheng

COMPUTER SCIENCE

Daniel Ankunda-Mbayiki Joseph M. Balascio

Julia R. Barucky Dazhi Bi

Liam M. Calnan Yuhao Chen Hong Yang Chen Jackie Chen Runzhou Chen

Siyu Chen Yixing Chen

Konstantinos Chrysoulas

Melissa Chu Bram H. Corregan Salvatore DeDona

Ting Dong Xueyan Feng Nathan B. Fenske Lucas Kuebler Fox Ruixi Geng

Grant Thomas Gifford Baldwin D. Giron Justin S. Glou Matthew A. Govia Nicholas A. Hoffis Michael Wesley Jones Aarya Tara Kaphley

Rami Lionel Kuttab Gaeun Lee

Gavin W. Kline

lanet lihoo Lee

liagi Li

Ruowen Li Junzhang Liu Minmin Lu

Hunter O'Neal Malley

Kanoa Matton

Matthew McDaniels Jose R. Mendoza Jacob Morrison Timothy Nkata Carlyn M. O'Leary

Daniel Pae

William Anderson Palin

Shane Michael Race

Xiaofeng Pan Duy Phan

Fiona Colleen Powers Beggs

Alexis Hope Ratigan Maxwell Johnson Reed Christopher Rhodes Robert R. Robinson Muamer Salihovic Sadikshya Sanjel Huahao Shang Jacob Skorzewski Yijie Song

Jeremy P. Stabile Cheng Yu Sung Rae Tasker

Jonathan Ezra Thomas Brendan J. Treloar Fiona Mirabella Tubiana

Randy C. Vargas

B.S. Candidates, continued

COMPUTER SCIENCE, CONTINUED

Anthony Micheal Verdone Liutao Zhang Bermalyn Maricel Irao Vicente Liaotianbao Zhang **Ruobing Wang** Zhiyuan Zhang lacob Wansor Hang Zhao Ethan Wong Haoyu Zhao linchao Zhao Zhiang Wu Yisheng Yang Yixuan Zhou Stella R. Yaunches Xingian Zhou Elin | Yaworski Joseph Patrick Zoll

ELECTRICAL ENGINEERING

Mohammed Ateeg Aljohani Nicole E. Kresse Malek Badwan Yiwei Ling Vincent Alec Camarena Tyler Sean Marston Arianna Maxine Cameron Sean Le McBride Nicholas Shawn Connolly Dylan Palmer Trevonne Davis Matthew Piciocchi Caroline Teresa Pina John Charles Garcia **Justin P. Geary** Kayla Ann Saladyga Jose Ignacio Ginorio Matthew H. Storozum Ryan Michael Kisselstein Joseph Carl Villani

ENVIRONMENTAL ENGINEERING

Tucker D. Addis Nicholas Colin Axel Kohl Elexis Jean C. Bishop Nicole Mark Luke Borden Sydney Mitchell Bessie Chen Scott M. Potter Ioshua Daniel Prygon Elizabeth Bryant Cultra Eric James Fitzgerald Yongfang Qi Allyson Greenberg Anna Woicik Christopher Harvey Savannah Marie Wujastyk

Kiran Marie Jain

MECHANICAL ENGINEERING

Owyn P. Adams Richard C. Andrews Timothy G. Arnold

Charles D. Ball

Michael James Battin Jr.

Erin Beaudoin

Laud A. Bosomprah-Bonsu Daniel James Brownell Benjamin M. Chandler Graham Alexander Chapman

Kevin Chen

Talina Evelyn Chipantiza

Artur Chuvik

Kellen Michael Coleman

Cooper P. Crone
Anthony Cruz
Peter M. Daniels
Taylor William Davis
Daniel A. Desmarais
Ryan Russell Dileo
Madeline Doyle
Laura Pandora Graziosi

Ronnie Holmes

Jagger Lee Kachmaryk Finnian James Kery Heewoon Kim

Carl Winston Rice Kjellberg

Trevor D. Kroells

Nathan Lemoine Ho Lim Cyrus Li

Harrison Dwinell Liberto Kathryn R. Lindgren Megan E. Lisowski Michael Robert Lunny Jr.

Lauren Mack Leilah Miller Daniel Panchenko Nicholas Joseph Papaleo

Corey A. Phung

Nicholas Patrick Piano Ian Curtis Ryohei Pointer Scott Reyes Vieda Alexander Richard Aidan John Riederich

Aidan John Riederich Nitish Sachin Satpute Brian Thomas Schultz Jr. Shane Michael Sefransky

Mark Slesicki

Matthew K. Swanson Ethan William Tracey Devin Richard Tunney Nicholas Miguel Valentin

Justin H. Westhuis Kyle J. Wilton Lawrence Wang Xu

liahua Yu

SYSTEMS AND INFORMATION SCIENCE

Connor W. Gurnham Nicholas E. Kantarellis

Stacy Kim

Anthony Moon

Salim Babajide Oloko Akshay Ram

Zachary Tyler Williams

Honors

CUM LAUDE

Owyn Phillip Adams

Steven Matthew Axelsen

Mergim Azemi

Joseph M. Balascio

Michael James Battin Jr.

Ryan Bourdeau

Alycia Joline Bruce

Joli L. Cacciatore

Liam M. Calnan

Vincent Alec Camarena

Sandy Ynhu Cao

Melissa Chu

Artur Chuvik

David Coghiel

Cooper P. Crone

Peter M. Daniels

Trevonne Davis

Salvatore DeDona

Sophia Elizabeth Figueroa

David Anthony Fikhman

Avinash lagroo

Jagger Kachmaryk

Maxwell lames Karl

Finnian James Kery

Jason C. Kirk

Eleanor Jane Lawler

Caroline J Leduc

Janet Jihoo Lee

Stephen Matthew Wei Leung

Daniel Leyva

Minmin Lu

Hunter O'Neal Malley

John M. Mazza

Romeo Michelson

Matthew Charles Murino

Nicole E. Nielsen

larod I Okamura

Carlyn M. O'Leary

Randall McGinnis Osborn

Dylan Palmer

Xiaofeng Pan

Scott M. Potter

Shane Michael Race

Mark James Ransbottom

Christopher Rhodes

Hongyi Ruan

Ryan Gordon Ryersen

Nitish Sachin Satpute

Jeremy P. Stabile

Christopher Stawarski

Jonathan Ezra Thomas

Brendan J. Treloar

Randy C. Vargas

Maximillian Meier Wilderman

Rvan Wolff

Elin I. Yaworski

Liutao Zhang

Andy Zheng

Yixuan Zhou

Summa Cum Laude (3.8 GPA or higher), Magna Cum Laude (3.6 GPA or higher), and Cum Laude (3.4 GPA or higher) distinctions in this list are projections based on the student's cumulative GPA at the end of the Fall 2021 semester. This list is subject to change pending the completion of all required coursework and final cumulative GPA.

MAGNA CUM LAUDE

Adriana M. Archilla Colby James Black

Dynasty Da'Nasia Chance

Runzhou Chen Yixing Chen Siyu Chen

Alejandro E. Correa

Xavier Evans

Katherine Ann Gardner Allyson Greenberg

Victoria Li Rui Hathaway

Alyssa Henley

Oduduabasi James Isaiah Michael Wesley Jones Aarya Tara Kaphley Bikash Khatiwoda

Stacy Kim Nicole E. Kresse Rami Lionel Kuttab

Simran Dharmendra Lakhani

Ruowen Li

Erick Lojano-Quispe

Lauren Mack

Nicholas Kent Magari

Noah Martel

Angela L. Martinez

Kanoa Matton

Jessica M. McGowan

lan G. McHugh

Mariana C. McManus

Leilah Miller Amira Mouline Mark Nicola

Nicholas Joseph Papaleo

Yongfang Qi

Daniel Pae

Alexis Hope Ratigan Fred Evan Schaffer

Shane Michael Sefransky

Vraj Shah Huahao Shang Prabha Singh

Ethan William Tracey Edgardo Velazquez Christian Viola Ruobing Wang Anna Wojcik Ethan Wong Liaotianbao Zhang Xingian Zhou

Joseph Patrick Zoll

Honors, continued

SUMMA CUM LAUDE

Bianca Louise Andrada

Nicole Ayora

Athena Andrea Basdekis Anna Mae Brunson

Britnie lean Carpentier

Yuhao Chen

lackie Chen

Konstantinos Chrysoulas

Nicholas Shawn Connolly

Nicholas Daniel Crane

Brian James Cronin

Elizabeth Bryant Cultra

Ting Dong

Madeline Doyle

Nathan B. Fenske lustin P. Geary

Grant Thomas Gifford

Jose Ignacio Ginorio

Stephen Goffredo

Brent Tadao Gosselin

Christopher Harvey

Laxmi Khatiwada

Nicholas Colin Axel Kohl

Trevor D. Kroells

liagi Li

Junzhang Liu

Rawia F.A.M. Marafi

Tyler Sean Marston

Maxwell Joseph Martin Lindy M. Melegari

Alexander Timothy Metcalf

lacob Morrison

Mark Namatsaliuk

Marissa R. Nicole David Dang Pham

Fiona Colleen Powers Beggs

Connor Preston

Aidan John Riederich

Tracey Josephine Rochette

Sadikshya Sanjel

Cassie Elizabeth Saracino Justine John A. Serdoncillo

Ethan J. Stocum

Matthew K. Swanson

Zhuoqi Tong Elizabeth M. Wall

Isabelle Wong

Savannah Marie Wujastyk

Stella R. Yaunches

Scholars Awards & Prizes

SYRACUSE UNIVERSITY SCHOLAR

The highest undergraduate honor awarded by Syracuse University

Lindy Melegari

Alexander Timothy Metcalf

REMEMBRANCE SCHOLARS

Awarded by Syracuse University to honor the SU students lost in the bombing of Pam Am Flight 103

Lindy Melegari

ALL-UNIVERSITY DOCTORAL PRIZES

Awarded by the Graduate School to recognize superior achievement in completed dissertations

Zheng Xiong Haowen Fang
Baocheng Geng Shuai Shao
Sajag Poudel Xueyuan Wang

Burak Kakillioglu

GRADUATE SCHOOL MASTER OF SCIENCE PRIZE

 $\label{lem:condition} Awarded \ by \ the \ Graduate \ School \ to \ recognize \ outstanding \ achievement \ among \ recipients \ of \ M.S. \ degrees$

Xuyang Qin Natalie Petryk

RENÉE CROWN UNIVERSITY HONORS

For seniors who have completed a multi-semester senior Capstone Project and have demonstrated an excellent command of language and commitment to global awareness, civic engagement, collaborative work, and academic breadth and depth

Bianca Andrada Alexander Metcalf **Britnie Carpentier** Fiona Powers Beggs Elizabeth Cultra Aidan Riederich Christopher Stawarski Madeline Doyle Christopher Harvey Matthew Swanson Victoria Hathaway Zhuogi Tong Lauren Mack Elizabeth Wall Lindy Melegari Savannah Wujastyk

U.S. ARMED FORCES COMMISSIONS

The College of Engineering and Computer Science has a long tradition of helping to prepare leaders for our nation's armed services. These members of the Class of 2022 will be commissioned on Friday, May 13.

Erin Beaudoin, Air Force Jarod Okamura, Air Force Scott Potter, Air Force Alyssa Rote, Air Force Charles D Ball, Army John Blum, Army Janet Jihoo Lee, Army Michael Lunny Jr., Army Erik Schassberger, Army

University College Awards

UNIVERSITY COLLEGE OUTSTANDING GRADUATE AWARD

For outstanding part-time students earning a graduate degree with distinction

UNIVERSITY COLLEGE OUTSTANDING UNDERGRADUATE AWARD

For outstanding part-time students earning an undergraduate degree with distinction

Nicole Kresse

College Wide Awards and Prizes

COLLEGE MARSHALS

Evan C. Wayton

Two seniors who will lead the academic procession of graduates at Commencement, selected for academic achievements, scholarly activities, service to others, extracurricular activities, and collegiality

Oduduabasi James Isaiah Alexander Timothy Metcalf

GEORGE M. BERRY AWARD FOR BEST ALL-AROUND SENIOR

For excellence in academics, with distinguished contributions through leadership, service, and extracurricular activities

Elizabeth Wall

GEORGE M. BERRY AWARD FOR OUTSTANDING DESIGN ACHIEVEMENT

For a senior who has demonstrated outstanding creativity and tenacity in developing an original design solution to a technical problem

Yixing Chen

THE YUEH-YING HU MEMORIAL AWARD

For a senior woman who best exemplifies the spirit, determination, and academic excellence demonstrated by Ms. Yueh-Ying Hu

Nicole Ayora

THE EARL H. DEVOE PRIZE FOR OUTSTANDING UNDERGRADUATE RESEARCH

For an undergraduate student who has made a significant scholarly research contribution

Stephen Goffredo

THE RICHARD A. BERNARD AWARD

Endowed by Jean I. Bernard in memory of her husband, for a senior who has shown awareness to the needs of physically-challenged individuals and the creative application of engineering approaches to those functional and practical needs

Leilah Miller

THE COLLEGE OF ENGINEERING AND COMPUTER SCIENCE ALUMNI ASSOCIATION SERVICE AWARD

For a senior who has performed extraordinary service on behalf of the College community

Maximillian Widerman

ANDREA L. RUBIN MEMORIAL AWARD

For a senior completing the requirements of the College of Engineering and Computer Science Cooperative Education Program

Paige O. Adebo

LOUIS N. DEMARTINI AWARD FOR OUTSTANDING RESEARCH

Presented to an ECS student who has completed an outstanding design project

Zhuqi Tong

Departmental Awards

AEROSPACE ENGINEERING

OUTSTANDING ACHIEVEMENT AWARD IN AEROSPACE ENGINEERING

Endowed by I.A. Hotze, BEE '43, for a senior who has demonstrated the highest level of academic excellence throughout his or her SU career

Maxwell Martin

THE RICHARD HEIMBURG ACHIEVEMENT AWARD IN AEROSPACE ENGINEERING

In honor of our courageous friend and colleague, Dr. Richard Heimburg, for a senior who has made the most significant creative achievement while maintaining a high level of academic performance

Alexander Timothy Metcalf

BIOENGINEERING

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in Bioengineering

Zheng Xiong

KAREN M. HIIEMAE OUTSTANDING ACHIEVEMENT AWARD IN BIOENGINEERING

Established in memory of Dr. Karen M. Hiiemae, beloved professor, mentor, and pioneer in science and research, for a senior who has combined outstanding academic achievement in bioengineering with the strength and spirit Dr. Hiiemae exhibited throughout her life

Lindy Melegari

BIOENGINEERING FOUNDERS AWARD

Awarded in honor of Drs. Joseph Zwislocki and Earl Kletsky, initiators and nurturers of the bioengineering program, to a senior who has demonstrated outstanding and wide-ranging skills

Bianca Andrada

OREN NAGASAKO AWARD

For Bioengineering majors who demonstrate outstanding dedication and hard work acting as a preceptor to fellow students

Connor Preston

CHEMICAL ENGINEERING

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in Chemical Engineering

Francielli Genier

OUTSTANDING ACHIEVEMENT AWARD IN CHEMICAL ENGINEERING

Endowed by I.A. Hotze, BEE '43, for the senior with the most distinguished academic record

Laxmi Khatiwadal

THE ALLEN I. BARDUHN AWARD

For a senior who combines academic excellence with a commitment to service in the chemical engineering profession

Flizabeth Wall

CIVIL AND ENVIRONMENTAL ENGINEERING

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate students in Civil and Environmental Engineering

Nuzhath Fatema

OUTSTANDING ACHIEVEMENT AWARD IN ENVIRONMENTAL ENGINEERING

Endowed by I.A. Hotze, BEE '43, for a senior in environmental engineering with outstanding credentials, who has demonstrated leadership in extracurricular activities

Savannah Wujastyk

K.L. LUI MEMORIAL AWARD

Awarded in memory of Kui Leung Lui for his inspiration to many through his belief in family values, lifelong learning and self-improvement, for a senior who has exemplified hard work, honesty, selflessness and generosity

Daniel Leyva

THE JOHN BURCH MCMORRAN '22 AWARD

For a civil engineering senior, based on academic performance and extracurricular activities

Isabelle Wong

CIVIL AND ENVIRONMENTAL ENGINEERING FACULTY AWARD

This award is presented annually to a senior who combines academic excellence with a commitment to service in the Department of Civil and Environmental Engineering

Nicole Ayora

Christopher Harvey

COMPUTER AND INFORMATION SCIENCE

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in Computer Science

David Castello

OUTSTANDING ACHIEVEMENT AWARD IN COMPUTER & INFORMATION SCIENCE

Endowed by I.A. Hotze, BEE '43, for a senior in computer and information science who has demonstrated excellence in coursework, project design and implementation, or research

Yuhao Chen

THE WARREN SEMON PRIZE

In honor of Dr. Warren Semon, first dean of the School of Computer and Information Science, for a senior who has established an exceptional scholastic record

Jacob Morrison

COMPUTER ENGINEERING

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in Computer Engineering

Corey Pardee

OUTSTANDING ACHIEVEMENT AWARD IN COMPUTER ENGINEERING

Endowed by I.A. Hotze, BEE '43, for the computer engineering senior with the most distinguished academic record

Xavier Evans

THE IEEE COMPUTING AWARD

For a computing senior who has demonstrated excellence in service, leadership, and scholarship

Bradley Pirie

CYBERSECURITY

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in cybersecurity

Abdullah Mohammed A. Alnasser

ELECTRICAL ENGINEERING

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in Electrical Engineering

Tianshu Ren

OUTSTANDING ACHIEVEMENT AWARD IN ELECTRICAL ENGINEERING

Endowed by I.A. Hotze, BEE $^{\prime}43$, for the electrical engineering senior with the most distinguished academic record

Nicholas S. Connolly

THE IEEE ELECTRICAL ENGINEERING AWARD

For an electrical engineering senior who has demonstrated excellence in service, leadership, and scholarship

Matthew Storozum lose Ignacio Ginorio

ENGINEERING MANAGEMENT

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in Engineering Management

Lily Larkin

MECHANICAL ENGINEERING

OUTSTANDING ACHIEVEMENT AWARD IN GRADUATE STUDY

For an outstanding graduate student in Mechanical and Aerospace Engineering

Paul Mokotoff

JAY WYNER AWARD FOR EXCELLENCE IN MECHANICAL ENGINEERING

Established for Jay S. Wyner who studied engineering at SU through the G.I. Bill, for a senior who has demonstrated exceptional academic excellence

Madeline Doyle

OUTSTANDING ACHIEVEMENT AWARD IN MECHANICAL ENGINEERING

Endowed by I.A. Hotze, BEE '43, for a mechanical engineering senior who has demonstrated a high level of excellence throughout his or her SU career

Aidan Riederich

THE BERNARD WOOD ACHIEVEMENT AWARD IN MECHANICAL ENGINEERING

In honor of Dr. Bernard Wood, scholar, teacher and gentleman, for a senior who has made the most significant creative achievement while maintaining a high level of academic performance

Trevor Kroells

SYSTEMS AND INFORMATION SCIENCE

OUTSTANDING ACHIEVEMENT AWARD IN SYSTEMS AND INFORMATION SCIENCE

Endowed by I.A. Hotze, BEE '43, for the Systems and Information Science senior with the most distinguished academic record

Stacy Kim

Diversity, Inclusivity and Equity Pledge

A convocation tradition initiated by Emily Mahana and Charles Keppler, College Marshals, Class of 2018

As an Alum of Syracuse University, I pledge:

- · To practice inclusivity, equality, and respect with all.
- To embrace the differences and recognize the similarities of each person.
- To always listen with respect and patience, and engage in meaningful conversation.

As an Alum of the College of Engineering and Computer Science, I pledge:

- To carry out the responsibilities of an engineer dutifully and ethically.
- To foster a culture within my field that values diversity, inclusion, and equity.
- To engage in thoughtful and effective engineering as a global citizen.

I will honor these commitments in all aspects of my life. I pledge to value everyone and make them feel included within our global community.

2022 CONVOCATION

Distinguished Guest Speaker Kirthiga Reddy G'95

Syracuse alumnus Kirthiga Reddy brings over twenty years of experience leading technology-driven transformations. She is driven by the mantra "When businesses succeed. livelihoods flourish."

Kirthiga is President of Athena Technology II, an all-women-led SPAC (Special Purpose Acquisition Company), which brings talent and transaction experience to enable access to equity capital markets. She is a founding investment partner of the F7 Seed Fund, whose mission is "Bold Women Investing in Bold Ventures." Kirthiga also serves on the Board of Directors for WeWork and Pear Therapeutics.

Previously, Kirthiga was the first female Investment Partner at SoftBank Investment Advisers (SBIA), and manager of the \$100B+ SoftBank Vision Fund; she led a portfolio of \$5Billion-plus. Her focus was fast evolving sectors like quantum computing, additive manufacturing, enterprise, health tech, gaming and crypto. She served on the investment committee of Softbank's Emerge Program, a global accelerator to provide funding, tools and networks for top companies led by underrepresented founders.

Prior to SBIA, she was the Managing Director of Facebook India and South Asia for over six years, starting as their first employee in India. She started one of the global operations offices that now serves over 3.5B people. She grew the India business to several \$100Ms of annual revenue and got investment buy-in for the vision of \$1B. Her subsequent experiences at Facebook focused on emerging and high-growth markets including Mexico, Brazil, Indonesia, South Africa and the Middle East.

Kirthiga is a passionate supporter of Syracuse University's College of Engineering and Computer Science, where she received a master's degree in Computer Engineering in 1995. She has been an active member of the Dean's Leadership Council since 2018, and is a member of SU's Hill Society, a dedicated network of leadership annual donors who share a common goal of supporting Syracuse University's highest priorities. The newly established Kirthiga Reddy Graduate Scholarship Fund provides financial assistance to ECS graduate students.

She holds an MBA from Stanford University, where she graduated with highest honors as an Arjay Miller Scholar and has served as Chair of the Stanford Business School Management Board. She acquired her B.E. in Computer Science and Engineering from Marathwada University, India. Kirthiga has been recognized as Fortune India's "Most Powerful Women" and as Fast Company's "Most Creative People in Business" among other recognitions. Her upcoming book, The Opportunity Engine, is about building high-growth, sustainable businesses.

Alma Mater

WHERE THE VALE OF ONONDAGA

MEETS THE EASTERN SKY

PROUDLY STANDS OUR ALMA MATER

ON HER HILLTOP HIGH.

FLAG WE LOVE! ORANGE! FLOAT FOR AYE,

OLD SYRACUSE, O'ER THEE.

LOYAL BE THY SONS AND DAUGHTERS

TO THY MEMORY.

-Junius W. Stevens, Class of 1895

