

THE GEORGE WASHINGTON UNIVERSITY

Celebration 2023

GRADUATION CELEBRATION

THE NINETEENTH OF MAY, TWO THOUSAND TWENTY THREE



School of Engineering
& Applied Science

THE GEORGE WASHINGTON UNIVERSITY

2023 GRADUATION CELEBRATION

MAY 19, 2023 | 7:00 P.M. | CHARLES E. SMITH CENTER

ORDER OF EXERCISES

SCHOOL OF ENGINEERING AND APPLIED SCIENCE 2023 GRADUATION CEREMONY

Ceremony Opening

MUSICAL PRELUDE Corcoran Brass

The Academic Procession

THE NATIONAL ANTHEM Michael J. O’Keefe, *B.S., Systems Engineering*

ANNOUNCEMENT OF THE COMMENCEMENT Jonathan P. Deason, *School Marshal*

WELCOMING REMARKS Mark S. Wrighton, *University President*

DEAN’S GRADUATION ADDRESS Dean John Lach

Student Speaker Remarks Michael P. Ryan, *B.S., Biomedical Engineering*

Guest Speaker Thomas P. Bostick, *Ph.D. ’16*

Recognition of Graduates Dean John Lach and Department Chairs

BIOMEDICAL ENGINEERING Dr. Murray H. Loew

CIVIL AND ENVIRONMENTAL ENGINEERING Dr. Majid T. Manzari

COMPUTER SCIENCE Dr. Timothy W. Wood

ENGINEERING MANAGEMENT AND SYSTEMS ENGINEERING Dr. Zoe Szajnfarber

ELECTRICAL AND COMPUTER ENGINEERING Dr. Tarek A. El-Ghazawi

MECHANICAL AND AEROSPACE ENGINEERING Dr. Michael W. Plesniak

SEAS ONLINE PROGRAMS Dr. Shahram Sarkani, *Director*

Ceremony Closing

RECESSIONAL Corcoran Brass

Please remain standing as the academic procession leaves the auditorium.

A LETTER FROM THE DEAN



John Lach
*Dean, School of
Engineering and Applied Science*

Dear Graduate:

On behalf of the faculty and staff of The George Washington University's School of Engineering and Applied Science, I congratulate you on your well-earned academic achievement.

I hope you are as proud of your accomplishment as we—your professors, advisors, and mentors—are. We have watched you learn, grow, broaden your perspectives, and deepen your understanding of engineering and computer science and of the critical roles they play in our increasingly technology-driven world. It took hard work and perseverance for you to be here today, and I hope you look back on your time at GW Engineering with fondness and appreciation.

As you look forward to your next challenge, I hope you carry with you what you have learned during your time here. First and foremost, you have studied your discipline in technical depth and acquired an understanding of the ethical practice and societal context of engineering and computer science. You have learned to think creatively about complex topics and to work collaboratively with people across disciplines and from various backgrounds. Your experiences inside and outside the classroom have prepared you to become a valuable member—and leader—of diverse teams solving society's grand challenges.

But the preparation you have acquired here is just the beginning.

I challenge you to go forth from today as a life-long learner, constantly collecting new knowledge, skills, and perspectives to better serve humankind in our ever-changing world. The recent pandemic has reminded us of the importance of adaptability and resilience and of the need to be proactive in preparing for any challenges that may come our way. As engineers and computer scientists, you have special capabilities and responsibilities, and your commitment to continued growth and adaptability will help you make the world a better and more resilient and equitable place for all.

Whether you are now going on to your first full-time job, continuing your career, heading to graduate or professional school, or otherwise following your life path, please stay in touch with us and with your fellow alumni. Remember that the GW Engineering community extends far beyond campus and will always welcome you. With a worldwide network of alumni and friends, you will find opportunities to connect with, support, and be supported by fellow GW graduates wherever you venture. And individually and together, you will Raise High!

I wish you all the best,

A handwritten signature in black ink that reads "John Lach". The signature is fluid and cursive, with the first name "John" being more prominent than the last name "Lach".

John Lach
Dean, School of Engineering and Applied Science



*Lt. Gen. (Ret) Thomas P. Bostick,
Ph.D. '16, PE, NAE*

Thomas P. Bostick, Ph.D. '16

Lieutenant General (Ret.) Thomas P. Bostick is an accomplished Senior Executive with over 30 years of experience in the public and private sectors. He is a graduate of the U.S. Military Academy at West Point and holds Master of Science Degrees in both Civil and Mechanical Engineering from Stanford University, an Executive MBA from Oxford University and a Ph.D. in Systems Engineering from the George Washington University. Bostick is a licensed professional engineer, a Forbes Contributor, an Affiliated Scholar at Stanford University, and a mentor of Clark Scholars at the George Washington University.

Bostick also serves as a senior advisor for several companies on biotechnology, engineering, sustainability, and human resources. He currently serves on the public boards of CSX (NASDAQ: CSX), a rail transportation company, and Perma-Fix (NASDAQ: PESI), a nuclear waste treatment company. He also serves on the private boards of HireVue, an online video interviewing service for employers; Allonnia, a company that leverages biotechnology and engineering to solve waste challenges in nature; and Fidelity Investments Equity and High-Income Fund Board of Trustees, an investment management company. Bostick previously served as Chief Operating Officer and President of Intrexon Bioengineering (NASDAQ: XON), focusing on global challenges such as food, agriculture, the environment, and energy.

He was the head of U.S. Army Recruiting and later U.S. Army Personnel where he was responsible for over one million soldiers and three hundred thousand civilians. Bostick served on the comprehensive review committee that recommended repealing the law known as, "Don't Ask, Don't Tell," which allowed gay and lesbian individuals to serve openly in the military. He has also spearheaded the effort to improve opportunities for women, minorities, and religious accommodations in the military. Bostick has deployed to Bosnia, Afghanistan, and Iraq, where he was responsible for over \$18 billion in construction. Bostick culminated his 38-year military career as the 53rd Chief of Engineers and Commanding General of the U.S. Army Corps of Engineers, the largest public engineering organization in the world. He serves on the non-profit boards of American Corporate Partners and Resilient Cities Catalyst.

Bostick also served as an Associate Professor of Mechanical Engineering at West Point and a White House Fellow, where he was a special assistant to the first Secretary of Veterans Affairs, the Honorable Ed Derwinski. As a member of the National Academy of Engineering, Bostick serves on several National Academy of Sciences committees focused on the environment and climate change. He was selected by U.S. Senator Jack Reed, Chairman of the Senate Armed Services Committee, to serve as a member of the Naming Commission tasked with renaming Confederate-named military bases and property. He recently published his first book, *Winning After Losing: Building Resilient Teams*.

STUDENT AWARDS

The Abdelfattah Abdalla Prize	S. Nashwa Farrukh Khan
SEAS Dean's Alumni Prize	Elizabeth R. Ottinger
The Norman B. Ames Award	Sarah M. Antonevich Makeda Melkie Annalisa G. Skinner
The Gary and Judy Bard Entrepreneurial Engineering Endowment Award	Connor J. Burnett Noah M. Chinitz Aaron M. Hill Jett S. Jacobs
The William and Louise Corcoran Service Award	Sean W. Letavish Shiju Varghese
The Benjamin C. Cruickshanks Award	
BIOMEDICAL ENGINEERING	S. Nashwa Farrukh Khan
CIVIL ENGINEERING	Kathryn E. Burkey
COMPUTER SCIENCE, B.S.	Jonathan Lee
ELECTRICAL ENGINEERING	Ayebanatei J. Ikoli
MECHANICAL ENGINEERING	Gavin Li Ang Hearne
SYSTEMS ENGINEERING	Julia C. Arnsberger
The Distinguished Scholar	Jonathan Lee
The George Ellowitz Prize	Alexis Carmine and Ashley Kraekel
The Alfred Martin Freudenthal Prize	Jonathan Lee
The Shelly and Steve Heller Award	Chloe Truong
The Philip Kaplan Award	Ayebanatei J. Ikoli
The Martin Mahler Prize	Kathryn E. Burkey
The Neilom Prize for Social Impact	Matthew J. Beck Matteo Sanchez-Dahl

The Pelton Award for Outstanding Senior Project Saron F. Gberhiwot
Cameron H. P. Johnson
Kevin N. Kharkov
Victoria M. Ravel
Matteo Sanchez-Dahl

The Susan Shin Memorial Award Rebecca Turley

The SEAS Senior Design Award

DEPARTMENT OF BIOMEDICAL ENGINEERING Aleena S. Ali
Rian C. Bogle
Benjamin Keaton
Alejandro Nevarez
Michael P. Ryan
Julia F. Stern

DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING Maura Kane-Seitz
Kathryn E. McAnuff
Honor O’Malley
Neha Ramanna

DEPARTMENT OF COMPUTER SCIENCE (ARNOLD C. MELTZER AWARD) Ryan Hudson
Jonathan Lee
Austin J. B. Theriault

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
(DERRILL ROHLFS AWARD) Thiare G. Cordova
Bakary Coulibaly
Amanda K. Long
Travis R. Root

DEPARTMENT OF ENGINEERING MANAGEMENT & SYSTEMS ENGINEERING Julia C. Arnsberger
Amelia J. Jacquat
Michael J. O’Keefe

DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING Yasser M. Althuwaini
Amy Chang
Sana Noor
Phoenix Price
Lashay A. Renaud
Mia A. Strickland

The Tau Beta Pi Outstanding Sophomore Award Ozzy Simpson
Anthony Yalong

STUDENT AWARDS

The Abdelfattah Abdalla Prize

Established as a memorial by the many friends and colleagues of Professor Abdalla. For scholarship and service by a biomedical engineering, electrical engineering, or computer science junior or senior for service to Eta Kappa Nu, IEEE, Tau Beta Pi, or the department.

The SEAS Dean's Alumni Prize

For a student demonstrating outstanding service, commitment, and scholarship in the School of Engineering and Applied Science.

The Norman B. Ames Award

Established by friends of Professor Ames in memory of Carolyn E. Schmidt (a relative) who died July 20, 1978. Awarded to a senior for significant contributions to the students, the School of Engineering and Applied Science, and the George Washington University.

The Gary and Judy Bard Entrepreneurial Engineering Endowment Award

Recognizes the ability and initiative of a young entrepreneur in the E-commerce curriculum in the computer science department, and serves as an incubation model for electronic business. Established in 2003.

The William and Louise Corcoran Service Award

Established to commemorate the founders of the School of Engineering and Applied Science, this award is given to faculty, staff, and students who have contributed to the intellectual and social life of the School.

The Benjamin C. Cruickshanks Award

Established in 1991 by the Engineer Alumni Association as a memorial to Professor Cruickshanks, who was associated with GW for more than 40 years as a teacher, writer, coach of the GW Baseball team, and a strong supporter of student activities. Awarded to a graduating senior with the highest academic standing in each undergraduate major.

The Distinguished Scholar

For academic achievement and distinctive school contributions by a senior.

The George Ellowitz Prize

Established by Robert L. Morris in honor of George Ellowitz. Awarded to a junior or graduating senior for demonstrated excellence and interest in the humanities or social sciences.

The Alfred Martin Freudenthal Prize

Established as a memorial to Professor Freudenthal by his wife, friends, students, and colleagues for his outstanding contributions to engineering education. Awarded to the graduating senior with the highest grade point average from the previous semester.

The Shelly and Steve Heller Award

Established in 1999 by Drs. Rachele and Steve Heller. It is presented to the sophomore female with the highest grade point average and a computer science degree emphasis.

The Philip Kaplan Award

Established in memory of Philip Kaplan by his family. Awarded to the graduating senior majoring in electrical engineering with the highest grade point average.

The Martin Mahler Prize

Created in 1953 by a gift of Martin Mahler for an upper class or graduate student who submits the best reports on tests in the materials laboratories class, with preference given to prestressed concrete tests.

The Neilom Prize for Social Impact

Established in 2020 and named for the original benefactors. This award is given to a junior or senior with a clear and articulated interest in the application of engineering to a particular area of social change.

The Pelton Award for Outstanding Senior Project

Named in honor of the Pelton family and Dr. Joseph N. Pelton, former professor at the School of Engineering and Applied Science. This annual competitive prize is for an outstanding senior design project with a focus on patentability and environmental impact.

The Susan Shin Memorial Award

Established in 2005 by friends of Susan Shin to honor her memory. This award is given to a junior who best exemplifies caring and service to fellow SEAS students.

The SEAS Senior Design Award

Awarded for superior achievement in engineering design in each undergraduate major.

The Tau Beta Pi Outstanding Sophomore Award

Awarded by the GW Chapter of Tau Beta Pi to the student who ranks first at the end of the sophomore year.

DEGREE CANDIDATES

Degrees are conferred by the University upon those students in the following lists who have completed all degree requirements.

DEPARTMENT OF BIOMEDICAL ENGINEERING

BACHELOR OF SCIENCE | BIOMEDICAL ENGINEERING

Anthony T. Aduwari	Cameron Hugh Powell Johnson	Michelle Noor Rana
Turki Abdullah H. Alanazi	Benjamin Keaton	Victoria M. Ravel
Aleena Saadia Ali	Sahibzadi Nashwa Farrukh Khan	Samuel Benjamin Rotberg
Yahya Zakari Aliyu	Abigail A. Klink	Benjamin A. Russo
Claire Marie Allison	Helen Sabrina Knight	Michael Patrick Ryan
Farris Kamel Alqalam	Zachary R. Kunz	Maxwell K. Sakach
Sarah Michelle Antonevich	Meilian Kurlas	Matteo Sanchez-Dahl
Grace Charlotte Bakalag	Madison Alexa Lashinsky	Cordelia Scales
Rian Chase Bogle	Ruby Margaret Barker Limanowski	Priyadharshini Seetharaman
Nnaemeka Malik Byrd	Evan J. Lindeman	Uma Shashi Sharma
Alarin D. Carthan	Daniel Liu Schmid	Harvinder S. Shergill
Raymond Cordero, Jr.	Arielle Fatima Maignan	Annalisa G. Skinner
Nicolas Nelson Daza	Sarah Therese Matli	Julia F. Stern
Orooluwa D. Emmanuel	Nikhil E. Mattu	Anasia Alexis Summersett
Isabelle A. Eskay	Makeda Melkie	David Enock Otieno Vasser
Christopher J. Finkelstein	James Nicholas Messina	Christian Michael Weiss
Aman Gill	Alejandro Nevarez	Joshua Ryan Welch
Julia Grace Gundlach	Wariinga Lucy Njoroge	Emmanuel Zelalem
Hassan Ahmed Issa	Joshua Roger Powers	

MASTER OF ENGINEERING | REGULATORY BIOMEDICAL ENGINEERING

Darius Kodjo

MASTER OF SCIENCE | BIOMEDICAL ENGINEERING

Christopher Q. Bach	Sarah Malinowski	Pranali P. Shirolkar
Fiona Kathryn Berk	Sanjori Mukherjee	Ban Hatem Shoukeir
Krystian Burum	Khanh Quoc Nguyen	Bridget A. Thorpe
Tuan Anh Do	Jenna Ryan Pressman	Steven R. Tom
Sylvia Rosemary Fresco	Bianca E. Pungert	Sophia Ann Watkinson
Charlotte Gaynor	Gabriela Ronning-Arnesen	
Nirajan Mahato	Dipon Roy	

DEGREE CANDIDATES

DOCTOR OF PHILOSOPHY | BIOMEDICAL ENGINEERING

Richard S. Downen	Weizhen Li	Jeannette Rodriguez Gonzalez
Anna Gams	Zexu Lin	
Julie Leann Han	Sofian Nabeel Obaid	

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

BACHELOR OF SCIENCE | CIVIL ENGINEERING

Danah Almekrad	Audra Dorothy Foster	Lillian A. Oathout
Waleed Khalid A Alzayer	Maura Kane-Seitz	Honor O'Malley
Kathryn E. Burkey	Christopher Francis Lemkan	Neha Ramanna
Stephanie N. Carapia	Finn A. Lillis	Kevin Shah
Yuval Coriat	Mary Evalyn Maxwell	Oluwamayowasi G. Taiwo
William Robert Denham	Kathryn Ellen McAnuff	

MASTER OF SCIENCE | CIVIL AND ENVIRONMENTAL ENGINEERING

Rashed Salem Rashed Alrahma Aldarmaki	Mohammed W. Bin Jabr	Chenwei Liu
Rashed Mohammed Rashed Mohammed Aldhaheeri	Li Chen	Caroline Requa
Obaid S. Alsuwaidi	Lauren Feeley	Alexander Elazar Seidel
	Carmen Lagler	

DOCTOR OF PHILOSOPHY | CIVIL AND ENVIRONMENTAL ENGINEERING

Mahmudul Hasan	Mengqiao Li
Parisa Heidary	Dong Pan

DEPARTMENT OF COMPUTER SCIENCE

BACHELOR OF ARTS | COMPUTER SCIENCE

Maximilian Edmund Aquino	Christian Garcia	Vinay Rajiv Patel
Opeyemi Babalola	Rachel Gonzalez Rodriguez	Joshua Sanchez-Genao
Oury Barry	Wanjiko Kahara	Anne Tyler Schoonmaker
Janay S. Cosme	Sammy Muhsen	Sarah Salah Sheikhnureldin
Madelyne S. Cruz	Saerom Oh	

BACHELOR OF SCIENCE | COMPUTER SCIENCE

Karim Tarik Haidar Alami	Joshua Fernan Aguilar Grafil	Samantha Nicole McDonald
Abdullah Abdulmajeed Almaayoof	Miles E. Grant	Aisha A. Mohammed
Luisa M. Ball Schnell	Lauren Jeehee Hahn	Dakharai Murray
Zachary Harris Bloomstein	Abdullah Hassan	Noah Pritchard
Connor Jeffrey Burnett	Victoria Rose Hennemann	Ryan M. Rosica
Matthew McDermith Chatelain	Subin Heo	Rubin Dev Roy
Noah M. Chinitz	Aaron M. Hill	Jayith Nathan Samaraweera
Woo Sung Felix Chong	Ryan Hudson	James A. Scott
Alex Coleman	Jett Sheridan Jacobs	Julia Jean Showl
Marwa Daud	Alexandra M. Kazaglis	Evan P. Stella
Rabaab Dhingra	Dongkun David Kim	Sarah Elizabeth Stevens
Philip Allan Di Giorgio, Sr.	Elena Mary Elizabeth Korkes	Cora Sula
Jose D. Duran	Aaron Kovacs	Sudarshan Swamy
Carl Christer Elgstroem	Jonathan Lee	Huzeyfa Telha
Max K. Englander	Olivia M. Legault	Austin James Bruce Theriault
Samuel R. Fritz	Benjamin Patrick Marasco	Kyle Vitale

MASTER OF SCIENCE | COMPUTER SCIENCE

Sihan Adi	Junhao Chen	Raymond Hear
Hitesh Agarwal	Weihang Chen	Lalthanmawia Henkai
Yusif Aghalarli	Pushpak R. Chulet	Emil Imanov
Sadig Akhund	Fadi Dagher	Murad Jafarov
Shaho Alae	Pingcuo Danzeng	Yichen Jiang
Srujana Alajanti	Asad Dashdamirli	Yixiao Jiang
Azar Aliyev	Purav Dipesh Kumar Parekh	Hanming Jing
Emin Alizade	Michael T. Ehnot	Reyhana Karimli
Walaa Faris R Altowairqi	Ian Robert Ferri	Rishabh Khanna
Abdulla Asgarzade	Chengshu Gao	Ada B. Kilic
Alakbar Askarov	Yuan Gao	Kalyan Kollepara
Ulvi A. Aslanli	Puneeth Geddalalahalli	Maxime Kotur
Farida Bayramova	Hanumantharaya	Shudong Lai
Rizzu Rohit Bhandari	Samyuktha Giridhar	Joyce Y. Lee
Oliver D. Broadrick	Jainee Harikrishna Gohil	Kejing Li
Le Cai	Mahesh Kumar Gudumala	Qiyuan Li
Yuxiao Cai	Ziyan Guo	Zihao Li
Chun Ming Chau	Yichen Hao	Zongyao Li

DEGREE CANDIDATES

Yiming Liang	Xukui Qin	Chih-Chen Wu
Bo Liu	Chuhui Qiu	Tianheng Wu
Chang Liu	Ashwin Ram Singh Kishore	Hao Xu
Hao Liu	Rihan Krithik Ramesh	Zhihao Xu
Hongqi Liu	Humaira Riaz	Changjia Yang
Simin Liu	Jesse E. Robles	Congshan Yang
Wen Liu	Lala Shahbandayeva	Junhao Yang
Youwen Liu	Darika Shaibekova	Ruining Yang
Yingning Ma	Jingzhou Shen	Oguzhan Yangoz
Aditya Maini	Tiancheng Shuai	Arash Yazdidoost
Prashanth Kumar Manji	Nihad Shukur	Chengzheng Ye
Grady Louis McPeak	Jonathan William Spungen	Zhuobin Yuan
Catherine Louise Meadows	Matthew S. Stoffer	Le Zhang
Rui Miao	Sudeep Subedi	Renhou Zhang
Jishan Min	Dylan Suga	Ruojia Zhang
Ilham Mirzayev	Rustam Talibzade	Yuang Zhang
Eric C. Moy	Marshall D. Thompson	Qiaodan Zhao
Hasan Naghiyev	Turgay Umudzade	Zhenhao Zhao
Shyam M. Natarajan	Sitong Wan	Huaixiao Zheng
Connor D. Norton	Christopher Wang	Yi Zheng
Sam R. Odle	Wanting Wang	Jie Zhu
Charles D. Peeke	Xi Wang	Guanyu Zuo
Jiahao Peng	Ye Wang	
Chaozhu Qiang	Zhongyu Wang	

MASTER OF SCIENCE | CYBERSECURITY IN COMPUTER SCIENCE

Mushary Alghamdi	Alyssa N. Ilaria	Nicholas George Reveliotis
Raniyah Mutlaq E. Almalki	Shivani Joshi	Mohammed Saqib Saiffee
Alaa Abdullah M. Alnitaifi	Sultan Uthman A. Joury	Rahul Sangewar
Rana Mastour D. Alsaadi	Sooyoung Kim	Arman S. Shah
Calese R. Balut	Monica Kodwani	Pratyush Sinha
Bibiana Boehm	Oluwademilade Ogedengbe	Daniel Song
Jonathan D. Buckland	Joseph Ogren	Elizabeth Stanley
Christian A. Garcia Guardado	Matthew Posa	Dan Ngoc Linh Vo
Olayinka Samuel Gbolahan	Brian D. Prisbe	Bailu Zhao
Sai Akhil Gogineni	Yannick Arjun Rajesh K	

DOCTOR OF PHILOSOPHY | COMPUTER SCIENCE

David Gordon Balash

Pedram Hosseini

Qiyue Wang

Wei Guo

Zhen Ni

DEPARTMENT OF COMPUTER SCIENCE & DEPARTMENT OF ENGINEERING MANAGEMENT AND SYSTEMS ENGINEERING

MASTER OF SCIENCE | DATA ANALYTICS

Kyle A. Arbide

Jaya Madhavi S. Evana

Sanskriti Shivhare

Katherine Asianah

Paolo Gimeno

Ran Wei

Anulekha Bhaskar Boddu

Sean Kim

Qingyuan Xie

Asare Buahin

Isha Negi

Bite Xiong

Chi Yun Chen

Raffa Hassan Bashir Nimir

Rui Zhang

Matthew J. Dionne

Michael J. Salceda

Qing Zhu

DEPARTMENT OF ENGINEERING MANAGEMENT AND SYSTEMS ENGINEERING

BACHELOR OF ARTS | APPLIED SCIENCE AND TECHNOLOGY

Zuxuan Chen

BACHELOR OF SCIENCE | SYSTEMS ENGINEERING

Latifa Al Jlayel

Amelia J. Jacquat

Elizabeth Rea Ottinger

Omar Alkhadra

Anirudh V. Kumar

Kaveena Patel

Diego A. Alonso

Sebastian Makrides

Karim H. Rizk

Julia C. Arnsberger

Cooper A. May

David I. Rosenberg

Marvin Castillo

Kyara Santos McDowell

Majd Shatara

Ryan M. Cedeno

Alejandro F. Medina Mora

Katie Shen

Isabelle Rose Doran

Lauren Elizabeth Monk

Kareemot Bolanle Siyanbola

Ivanna Maureen Hidalgo Camacho

Michael John O'Keefe

Natasha Stallings

Yilin Huang

Abdallah Khaled Omari

Islay R. Van Dusen

MASTER OF SCIENCE | ENGINEERING MANAGEMENT

Priyanka Popat Desai

Sravva Jahagirdar

Prathyaj B. Mantha

Beth Deborah Ellinport

Aniruddha Jain

Margaret Angela Norton

Ariana Kaitlyn Fazal

Sara Esther Jimenez Alfonso

Hanna-Grace Rabanes

Nicolas Gantiva Hinestrosa

Cody L. Johnson

Bassant Mohab Sabry

Vikram R. Gill

Maximillian Aleksandr Kostyashkin

Ruchi Saraf

Kathryn Gilligan

Vibhav Lekhi

Vysaaly Sivakumaar

DEGREE CANDIDATES

MASTER OF SCIENCE | SYSTEMS ENGINEERING

Lane K. Faulkner

Ava Gholipour

Spencer E. Ross

DOCTOR OF PHILOSOPHY | ENGINEERING MANAGEMENT

Iryna Payosova

DOCTOR OF PHILOSOPHY | SYSTEMS ENGINEERING

Lewis N. Boss

Donald D. Koban

Anthony Ian Hennig

Megan Peters

DOCTOR OF SCIENCE | ENGINEERING MANAGEMENT

Philip Sisson

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

BACHELOR OF SCIENCE | COMPUTER ENGINEERING

Thiare Gianara Cordova

Sehej Kaur Grewal

Kevin N. Kharkov

Bakary Coulibaly

Davud Kazdal

Cooter McGrew

BACHELOR OF SCIENCE | ELECTRICAL ENGINEERING

Rakan S. Alkhaledi

Maria DePasquale

Randa Firas Labib Matloob

Mohammad N M A M S Almajed

Derek S. Gabriel, Jr.

David Thanh Nguyen

Matthew J. Beck

Saron F. Gberhiwot

Travis Ryan Root

Kody G. Borden

Ayebanatei Jessica Ikoli

Roman D. D'Argenio

Hanan Mohammedawel Kadir

MASTER OF SCIENCE | COMPUTER ENGINEERING

Wejdan Altowairqi

Jasmine Pillarisetti

Qian Cai

Chengci Qu

MASTER OF SCIENCE | ELECTRICAL ENGINEERING

Aniqa Abid

Sean William Letavish

Zichen Wang

Yaswanth Alam

Behrouz Movahhed Nouri

Yitao Wei

Yonatan M. Beyene

Brandon Charles O'Dell

Sichen Xin

Blake C. Cillum

Nathan J. Pen

Tieshan Zhang

Zhang Chen

Xi Wang

Zubin Zhang

Henan Chi

Yimin Wang

Koffi Eric Eguida

Yuhang Wang

DOCTOR OF PHILOSOPHY | COMPUTER ENGINEERING

Bibek Bhattarai

Yang Hu

Yuan Li

DOCTOR OF PHILOSOPHY | ELECTRICAL ENGINEERING

Jonathan George

Xiaoxuan Ma

Mostafa Nazemi

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

BACHELOR OF SCIENCE | MECHANICAL ENGINEERING

Ahmed Ibrahim D. Alfadel

Omar K. Hassan

Reuben V. O'Neill

Mahdi Ahmed al-Saady

Gavin Li Ang Hearne

Micaela Paul

Yasser Mohammed I. Althuwaini

Logan M. Johnson

Adam Edward Flynn Poche

Shatha Saleh R. Alzahrani

Thara Kalvala

Lashay Aigya Renaud

Matthieu Thanh Hai Andre

Nicholas Jan Karlsson

Zoe J. Robertson

Joanna Gabriela Ayala-Flores

Sereen Mohammad Khalil

Nii Adotey Sackar

Jack E. Brown

Dong Hyun Kim

Oscar Toran Southwell

Amy Chang

Amanda K. Long

Edmond Joseph Stevens

Liam Manuel Colvin

Jacob Arthur Miller

Mia A. Strickland

Geronimo P. Cribbin-Welsh

Juan Moscoso

Hadi Sultan

Joshua Paul Davis

Josh A. Munoz

Gaolin Wu

Benjamin Thomas Elwell

Sana Noor

Anton Yanovich

Jonah Joseph Goldman

Joshua Mokua Nyaringo

Logan P. Green

Leticia Akemi Oiwa

MASTER OF SCIENCE | MECHANICAL AND AEROSPACE ENGINEERING

Sultan Salah Alsalimi

Brendan Tanchoco McCormack

Tianchen Wang

Shruty Balaji

Hoang Duc Khang Nguyen

Ahmed Rafat Weshahy

Han Chen

James Andrew Nicholas

Anpei Xiang

Xiaoyang Chen

Alexis Xavier Renderos

Feiyi Xu

Jonathan Kenneth Garcia

Krupal Sharma

Adam Yassine

Yuxiong Lin

Yanlong Sun

Dana Mohammad Zaher

Kai Ma

Chunbo Wang

Kaige Zou

DOCTOR OF PHILOSOPHY | MECHANICAL AND AEROSPACE ENGINEERING

Siva Ram Prasad Bandaru

Kanishke Gananatha Bandara
Gamagedara

Berkin Uluutku

Pi-Yueh Chuang

Sung Yun Hann

Weixin Wang

Keir P. Daniels

Olivier Pierre Jean Mesnard

Xianyang Yang

Xiaoliang Yao

DEGREE CANDIDATES

ONLINE PROGRAMS

MASTER OF ENGINEERING | CLOUD COMPUTING MANAGEMENT

Aisikaier Abulimiti	Jaspreet Singh Bhatia	Padmashantha Rajapakshe Gamage
Charell Valencia Adagala	Gary Butler	Erica Razik
Oluwagbenga Ajakaye	Amin Ghanbarisarbandani	Karanbeer Singh
Nirmal Ale	Ferda Kavak	Danni Song
Youssef Amlal	David Lobe	Kevin James Spurrier
Ayesha Aziz	Jaime Enrique Matamoros Noboa	Rajiv Thukral
Issa Bazsa-Ecker	Carlo Mendoza Chiang	Michael Velilla
Cody Belle	Ashuayem Nkwanyuo	Tadesse A. Woldemariam
Andrew Bench	Grace Ponniah	Zeb Zaheer

MASTER OF ENGINEERING | CYBERSECURITY ANALYTICS

Samuel Addington	Eimaan N. Imran	George Odom
Joel Buckley	Alize Jasper	Ryan Roberts
Helene Suzanne Daage	Blair Elizabeth Kacynski	Auston Rupnow
Brian Raymond Duke	Boris Konffo	Thomas Sheil
Josue Osmin Duran	Assefa Tolla Letta	Ralph Michael Uy Tapia
Joseph Gambino Batchelder	Alexander Kuta MacPherson	Nicole Welborn
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Jared Joseph Graff	Reid Montague	Anthony Wheeler
Sarah Hahn	Ram Nagpure	

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Ausman Ahmed	Jesse Brandon Cade	Anthony George Fair
Faheem Ahmed	David Cantinieri	Jeffrey T. Farley
Troy Amankwanor	David Charura	Yoseph Feseha
Pavan Kumar Anam	Andrew Duho Choe	Josephine Gabos
Richard Arthur-Gyamfi	Samuel Aaron Cohen	Carmela Gonzales
Justice Arthur-Mesere	Kyle Austin Corbin	Matthew Alexander Grofsky
Prajakta Anup Badhe	Hasan Cosic	Terrill Devon Harrison
Kasim Baig	Kevin Delaney	Michael Haynes
Harsh Balwani	Daniel Joseph DeMarco	Alberto Hernandez II
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Michael Andrew Bertschinger	Nora El Sebaey	Sokhoun Hing

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Samuel Igbafe	Jennifer Contressia Olds	Ravina Singh
Matthew William Kirkwood	Patience Opoku	Clyde Stephon Smith
Jenacie Elizabeth Klinger	Adeton Oyebade	Sierra Renee Smith
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Janelle Tiffany-Ann Lewis	Ginger Perez	Christina Sze
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Mfon Mbatt	Akhil Alpoor Reddy	Courtney Henderson Tyree
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Alex Miller-Rodriguez	Daniel Joseph Romero	John Kendell Wright II
Nida Mufti	Aaron Rosenbaum	Frank X. Wukovits
Himaja Nimmagadda	Julia Lynn Rubio	Richard Young

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Nubantood Khalil	Tyler J. Ressler	
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April Lashan Anderson	Eric Berntson	Michael Lloyd Butler
Courtney Beth Andress	Jason N. Betts	Andrea Marie Cardarelli
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Tony Earl Curington	Thangavel Karupusamy	Carolina Ramirez
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DOCTOR OF PHILOSOPHY | SYSTEMS ENGINEERING

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Vijay Anand Raghavan

Jie Wu

Dear Graduates,

Congratulations! You have completed one of life's most challenging and rewarding milestones. All of your hard work and perseverance have led you to this proud moment.

Today marks the beginning of another transformational chapter of your life. The journey of being a member of a global alumni network which brings together individuals from a multitude of cultures, countries and majors.

As a recent graduate, you are uniquely positioned to offer other GW Engineering alumni guidance on what current students value the most. Alumni cutting across generations rely on your insights to build strategies for how collectively they may strengthen the school.

It is our hope that you will be motivated to carve out time to be part of your alumni community and will prioritize giving back to the school. We encourage you to remain connected by joining an alumni network in your area, keeping the alumni office informed of your new addresses and identifying ways that you can be an ambassador and door-opener for others.

As a graduate of the GW School of Engineering and Applied Science, you know that there is no worthwhile goal that is easy to achieve. You understand that the bigger the goal, the more you will face difficulties and challenges. With this in mind, we invite you to help us leverage our research, faculty and network to create a better future.

Congratulations once again and best wishes!

*GW Engineering Office of Development
and Constituent Engagement*



The Secret of the Machines

Rudyard Kipling

We were taken from the ore-bed and the mine,
We were melted in the furnace and the pit—
We were cast and wrought and hammered to design,
We were cut and filed and tooled and gauged to fit.
Some water, coal, and oil is all we ask,
And a thousandth of an inch to give us play:
And now, if you will set us to our task,
We will serve you four and twenty hours a day!

We can pull and haul and push and lift and drive,
We can print and plough and weave and heat and light,
We can run and race and swim and fly and dive,
We can see and hear and count and read and write!

Would you call a friend from half across the world?
If you'll let us have his name and town and state,
You shall see and hear your cracking question hurled
Across the arch of heaven while you wait.
Has he answered? Does he need you at his side—
You can start this very evening if you choose
And take the Western Ocean in the stride
Of seventy thousand horses and some screws!

The boat-express is waiting your command!
You will find the *Mauritania* at the quay,
Till her captain turns the lever 'neath his hand,
And the monstrous nine-decked city goes to sea.

Do you wish to make the mountains bare their head
And lay their new-cut forests at your feet?
Do you want to turn a river in its bed,
Or plant a barren wilderness with wheat?
Shall we pipe aloft and bring you water down
From the never-failing cisterns of the snows,
To work the mills and tramways in your town,
And irrigate your orchards as it flows?

It is easy! Give us dynamite and drills!
Watch the iron-shouldered rocks lie down and quake,
As the thirsty desert-level floods and fills,
And the valley we have dammed becomes a lake.

But remember, please, the Law by which we live,
We are not built to comprehend a lie,
We can neither love nor pity nor forgive.
If you make a slip in handling us you die!
We are greater than the Peoples or the Kings—
Be humble, as you crawl beneath our rods!—
Our touch can alter all created things,
We are everything on earth—except The Gods!

Though our smoke may hide the Heavens from your eyes,
It will vanish and the stars will shine again,
Because, for all our power and weight and size,
We are nothing more than children of your brain!

SHARE YOUR DAY

#GWCommencement

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