





Letter from the Dean

Dear Engineering Graduates,

By nature of you being here today, you are among the best, brightest and hardest working engineers the world has to offer.

You have made it through one of the most rigorous engineering programs in the country. During your time as an engineering student, you have collectively spent thousands of hours researching, volunteering and interning in the city of Houston, adding to the strength and vibrancy of our community. When you leave our labs and classrooms to embark on your careers, your professional contributions will have a resounding impact here in the city of Houston and around the world.

You are the thinkers, doers and creators of our modern world. You will be the designers, builders, problem-solvers and inventors of our tomorrow. Although you represent a wide variety of backgrounds and disciplines, as you walk across the stage to accept your diploma, you all have one thing in common: you are world-class engineers.

From here, the world is at your fingertips. Work hard, give back, and trust in the knowledge you have acquired during your time as a student at the UH Cullen College of Engineering. Everything else will fall into place.

Congratulations, engineering Cougars! I look forward to seeing the impact your bright careers will have on our future and our world. Please stay in touch and fill me in on all of your successes: dean@egr.uh.edu.

Sincerely,

A handwritten signature in black ink that reads "Joseph W. Tedesco". The signature is written in a cursive, slightly slanted style.

Joseph W. Tedesco
Elizabeth D. Rockwell Dean and Professor



Convocation Speaker

JESSE GONZALEZ

Jesse Gonzalez received his Bachelor of Science in Civil Engineering from the University of Houston in 1969. He served as Chairman of the Board for SpawGlass and served as president of the Houston operations for more than fifteen years until his retirement in 2009. Mr. Gonzalez is a registered Professional Engineer in the State of Texas, is past President of the local chapters of Associated Builders and Contractors as well as Associated General Contractors of America and is

Past Chairman of the Greater Heights Chamber of Commerce. He is a Life Member of the Houston Alumni Association and serves on the UH Civil and Environmental Engineering Industrial Advisory Board as well as on the UH Engineering Leadership Board. Mr. Gonzalez is a recipient of the University of Houston Distinguished Engineering Alumni Award, which he received in 2003, and is the recipient of the Lifetime Achievement Award from the UH Alumni Association in 2011.

Mr. Gonzalez, in partnership with nine other employees, purchased the company SpawGlass in 1991. Soon after the purchase, the company was transitioned to 100% employee ownership with more than 300 employee shareholders, ranging from administrative staff and field laborers to executive management. Since the purchase and employee ownership, the company has thrived reaching revenue levels of almost \$500 million. The company has been voted Best Places to Work by the Houston Business Journal and Texas Monthly as well as consistently being ranked as one of Houston's Top 10 General Contractors and one of the Top 400 US General Contractors.

Mr. Gonzalez is married to his high school sweetheart Terry, and they have four children.

University of Houston
Cullen College of Engineering

Convocation

Friday, December 16, 2016, 6 p.m.
Hofheinz Pavilion

PROCESSIONAL	Grand Marshal Chad Wilson <i>Instructional Assistant Professor</i> Grand Marshal Leonard Trombetta <i>Associate Professor</i> Faculty Banner Bearer Platform Party Dean Joseph Tedesco
PRESENTATION OF THE COLORS	UH ROTC
NATIONAL ANTHEM	ManCorps
WELCOME AND INTRODUCTORY REMARKS	Joseph W. Tedesco <i>Elizabeth D. Rockwell Dean and Professor</i>
CONVOCATION ADDRESS	Jesse Gonzalez <i>Cullen College of Engineering Alumnus</i>
PRESENTATION OF BEST DISSERTATION AWARDS	Hanadi Rifai <i>Associate Dean for Research and Facilities</i>
PRESENTATION AND HOODING OF DOCTORAL CANDIDATES	Jacinta Conrad <i>Associate Professor of Chemical and Biomolecular Engineering</i>
PRESENTATION OF MASTER'S CANDIDATES	Jagannatha Rao <i>Director of Online Programs and Extension Services</i>
PRESENTATION OF BACHELOR'S CANDIDATES	Frank Claydon <i>Director of the Division of Undergraduate Programs and Student Success</i>
CLOSING REMARKS	Dean Tedesco
ALMA MATER	ManCorps
RECESSIONAL	

Event music provided by ManCorps, Moores School of Music.



Cullen College of Engineering

The University of Houston Cullen College of Engineering, established in 1941, is accredited by the Engineering Accreditation Commission of ABET. The Cullen College is ranked among the top 100 engineering schools in the country and is recognized as one of Best Engineering Schools of 2017 by U.S. News & World Report.

Approximately 5,000 students are enrolled in engineering courses—3,722 undergraduates as well as 1,247 master's and doctoral students in biomedical, chemical, civil, computer, electrical, environmental, geosensing systems, industrial, mechanical and petroleum engineering. The college also offers interdisciplinary graduate programs in subsea, aerospace, materials, and computer and systems engineering. Chemical, mechanical, electrical, computer and civil engineering are ranked among the top graduate programs nationally by U.S. News & World Report.

The mission of the Cullen College of Engineering at the University of Houston is to serve the Greater Houston community, Texas and the nation by educating engineers to assume leadership positions in the identification and solution of the complex technical challenges of society, to advance the state of knowledge through pioneering research and scholarly work, to facilitate the transfer of new technology to Texas and U.S. industries, to play a key role in economic development for the Greater Houston region and the State of Texas, and to benefit the public sector through service to the university, community, industry, government and the engineering profession.

Administration

Joseph Tedesco

Elizabeth D. Rockwell Dean and Professor

Hanadi Rifai

Associate Dean for Research and Facilities

Suresh Khator

*Associate Dean for Graduate Programs
and Computing Facilities*

Frank Claydon

*Director of the Division of Undergraduate
Programs and Student Success*

Metin Akay

*Chair, Department of
Biomedical Engineering*

Michael Harold

*Chair, Department of Chemical
and Biomolecular Engineering*

Roberto Ballarini

*Chair, Department of Civil
and Environmental Engineering*

Badrinath Roysam

*Chair, Department of Electrical
and Computer Engineering*

Gino Lim

*Chair, Department of
Industrial Engineering*

Pradeep Sharma

*Chair, Department of
Mechanical Engineering*

Mohamed Soliman

*Chair, Department of Petroleum
Engineering*

Russell Dunlavy

Chief Development Officer - UH STEM

Stephen Bangerter

Executive Director of Business Operations

Audrey Grayson

Executive Director of Communications

Jagannatha Rao

*Director of Online Programs and
Extension Services*

Janice Quiroz-Perez

*Director of the Engineering
Career Service Center*

Roshawnda Anderson

Assistant Dean of Administration

National Academy of Engineering Members

J.J. Azar
Petroleum Engineering

Benton Baugh
Subsea Engineering

Charles Cutler
Chemical and Biomolecular Engineering

Christine Ehlig-Economides
Petroleum Engineering

John Lienhard
Mechanical Engineering

Dan Luss
Chemical and Biomolecular Engineering

Andrea Prosperetti
Mechanical Engineering

Kaushik Rajashekhara
Electrical and Computer Engineering

James Symons
Civil and Environmental Engineering

Ganesh Thakur
Petroleum Engineering

Anestis Velestos
Civil and Environmental Engineering

Kaspar Willam
Civil and Environmental Engineering

Department of Biomedical Engineering

Mohammad Abidian
Associate Professor

Metin Akay
Professor and Chair

Muayyad Al-Ubaidi
Professor

Ravi Birla
Associate Professor

Joseph Francis
Associate Professor

Howard Gifford
Associate Professor

Nuri Ince
Assistant Professor

Kirill Larin
Professor

Sheereen Majd
Assistant Professor

Elebeoba May
Associate Professor

Chandra Mohan
Professor and Associate Chair

Muna Naash
Professor

Ahmet Omurtag
Associate Professor

Sergey Shevkoplyas
Associate Professor

Tianfu Wu
Assistant Professor

Yingchuan Zhang
Assistant Professor

Department of Chemical and Biomolecular Engineering

Vemuri Balakotaiah
Professor

Dan Luss
Professor

Patrick Cirino
Associate Professor

Michael Nikolaou
Professor

Jacinta Conrad
Associate Professor

Jeremy Palmer
Assistant Professor

Vincent Donnelly
Professor

Jeffrey Rimer
Associate Professor

Demetre Economou
Professor

Megan Robertson
Assistant Professor

Lars Grabow
Assistant Professor

Navin Varadarajan
Associate Professor

Michael Harold
Professor and Chair

Peter Vekilov
Professor

Ramanan Krishnamoorti
Professor

Richard Willson
Professor

Department of Civil and Environmental Engineering

Roberto Ballarini
Professor and Chair

Craig Glennie
Associate Professor

Abdeldjelil Belarbi
Professor

Thomas Hsu
Professor

Mina Dawood
Associate Professor

Yandi Hu
Assistant Professor

Egor Dontsov
Assistant Professor

Konrad Krakowiak
Assistant Professor

Hyongki Lee
Assistant Professor

Arturo Leon
Associate Professor

Stacey Louie
Assistant Professor

Yi-Lung Mo
Professor

Kalyana Nakshatrala
Assistant Professor

Hanadi Rifai
Professor and Associate Dean

William Rixey
Associate Professor and Associate Chair

Debora Rodrigues
Associate Professor

Ramesh Shrestha
Professor

Joseph Tedesco
Professor and Dean

Cumaraswamy Vipulanandan
Professor

Keh-Han Wang
Professor

Kaspar Willam
Professor

Department of Electrical and Computer Engineering

Jiming Bao
Associate Professor

Aaron Becker
Assistant Professor

Stanko Brankovic
Associate Professor

Jiefu Chen
Assistant Professor

Jinghong Chen
Associate Professor

Yuhua Chen
Associate Professor

Ji Chen
Professor

Frank Claydon
Professor and Director

Jose Contreras-Vidal
Professor

Xin Fu
Assistant Professor

Zhu Han
Professor

Thomas Hebert
Associate Professor

David Jackson
Professor

Han Le
Professor

Cullen College of Engineering

FACULTY

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Professor

Stuart Long
Professor

David Mayerich
Assistant Professor

Hien Nguyen
Assistant Professor

Miao Pan
Assistant Professor

Shin-Shem Pei
Professor

Saurabh Prasad
Assistant Professor

Kaushik Rajashekara
Professor

Badrinath Roysam
Professor and Chair

Paul Ruchhoeft
Associate Professor

Xiaonan Shan
Assistant Professor

David Shattuck
Associate Professor

Bhavin Sheth
Associate Professor

Wei-Chuan Shih
Associate Professor

Leonard Trombetta
Associate Professor and Associate Chair

John Wolfe
Professor

Yan Yao
Assistant Professor

Wanda Zagodzdon-Wosik
Associate Professor

Department of Industrial Engineering

Christopher Chung
Associate Professor

Qianmei Feng
Associate Professor

Ali Kamrani
Associate Professor

Suresh Khator
Professor and Associate Dean

Gino Lim
Professor and Chair

Jiming Peng
Associate Professor

Lawrence Schulze
Associate Professor

Department of Mechanical Engineering

Ashutosh Agrawal
Assistant Professor

Daniel Araya
Assistant Professor

Haleh Ardebili
Associate Professor

Richard Bannerot
Professor

Theocharis Baxevanis
Assistant Professor

Yi-Chao Chen
Professor

Matthew Franchek
Professor

Hadi Ghasemi
Assistant Professor

Karolos Grigoriadis
Professor

Yashashree Kulkarni
Associate Professor

Dong Liu
Associate Professor

Philippe Masson
Assistant Professor

Anastassios Mavrokefalos
Assistant Professor

Ralph Metcalfe
Professor

Andrea Prosperetti
Professor

Jagannatha Rao
*Associate Professor,
Associate Chair and Director*

Jae-Hyun Ryou
Assistant Professor

Venkat Selvamanickam
Professor

Pradeep Sharma
Professor and Chair

Gangbing Song
Professor

Li Sun
Professor

Su Su Wang
Professor

Kenneth White
Professor

Di Yang
Assistant Professor

Cunjiang Yu
Assistant Professor

Department of Petroleum Engineering

Christine Ehlig-Economides
Professor

Lori Hathon
Assistant Professor

Dimitrios Hatzignatiou
Professor

Konstantinos Kostarelos
Associate Professor

Michael Myers
Associate Professor

Guan Qin
Associate Professor

Mohamed Soliman
Professor and Chair

Ganesh Thakur
Professor

George Wong
Associate Professor

Best Ph.D. Dissertation Awards

Summer 2016 and Fall 2016 Graduates

This semester, we have awarded the following individual a plaque and a check for \$1,000 for being the outstanding dissertation award winner:

Fatemeh Ahmadpoor

PhD in Mechanical Engineering

DISSERTATION TITLE: Statistical Mechanics of 2D Materials: From
Biological Membranes to Graphene

DISSERTATION ADVISOR: Dr. Pradeep Sharma

The Honors College Honors

The Honors College at the University of Houston offers students special opportunities to develop their academic abilities. Below are the Honors College honors designations.

University Honors with Honors in Major

Students who complete the Honors College curriculum (36 hours) and complete a senior honors thesis.

University Honors

Students who complete the Honors College curriculum and elect not to complete a senior honors thesis.

Collegiate Honors and Collegiate Honors with Honors in Major

Students who fulfill the requirements for the honors program in the college of their major, including 21 hours of honors courses; who complete an Honors College minor, or who complete 21 hours of approved honors courses. If students also complete a senior honors thesis, they graduate with Collegiate Honors with Honors in Major.

Membership in The Honors College and Membership in The Honors College with Honors in Major

Students who affiliate with the Honors College during their undergraduate years and complete fewer than 21 hours of honors courses. If students also complete a senior honors thesis and fulfill the requirements of their major with distinction, they graduate with Membership in The Honors College with Honors in Major.

Honors in Major

Students who complete a senior honors thesis but are not members of the Honors College.

Honors Recipients

University Honors

Leo Bartos
Jingfan Hu
Elsa M. Johnson
Andrew James Maicke

Fernando Medrano
Henry Hung Nguyen
Aubrey Claire Swilling

Collegiate Honors

Krystal D. Gengler
Humas S. Khan

Enjelia Veony

Membership in The Honors College

Kameron Billingsley

Mauricio Gonzalez

Cullen College of Engineering
CANDIDATES FOR GRADUATION

Fall 2016

**DOCTOR OF PHILOSOPHY
IN BIOMEDICAL ENGINEERING**

Yun Peng

Biomechanics and Electromyography in
Assessing Female Stress Urinary Incontinence
ADVISOR: Dr. Yingchun Zhang

**DOCTOR OF PHILOSOPHY
IN CHEMICAL ENGINEERING**

Melanie Jane Hazlett

Kinetic and Mechanistic Study of CO and
Hydrocarbon Oxidation, and NOX Oxidation
and Reduction over Pt-Pd Catalysts
ADVISORS: Dr. William S. Epling and
Dr. Lars C. Grabow

Megan Ann Ketchum

Pathological Crystallization from
Mixed Aqueous-Organic Solvents
ADVISORS: Dr. Jeffrey Rimer and
Dr. Peter Vekilov

Ibukun Gbadebo Makinde

Production Forecasting, Performance Analyses
and Behavior of Shale Volatile Oil Reservoirs
ADVISORS: Dr. W. John Lee and Dr. Guan Qin

Shyam Panjwani

Data Driven Approaches to Model Building:
Applications to Energy Industries
ADVISOR: Dr. Michael Nikolaou

Brian J Rohde

Thermoset Blends of an Epoxy Resin
and Polydicyclopentadiene
ADVISORS: Dr. Megan Robertson and
Dr. Ramanan Krishnamoorti

Monique Shaunta Wilburn

Methane Oxidation over, and Sulfur
Interactions with, Pd/Pt Bimetallic Catalysts
ADVISOR: Dr. Bill Epling

**DOCTOR OF PHILOSOPHY
IN CIVIL ENGINEERING**

Bahareh Basirat

Testing and Modeling of Drilling,
Cementing and Long Term Performance
of Smart Cemented Oil Well
ADVISOR: Dr. Cumaraswamy Vipulanandan

Zibraeb Alem Gebreselassie

Detection and Quantification of Steel
and Composite Corrosion with Smart
Cement and Polymer Coating Materials
ADVISOR: Dr. Cumaraswamy Vipulanandan

Saeid Karimi

Computational Methods for Multi-
Scale Temporal Problems: Algorithms,
Analysis and Numerical Experiments
ADVISOR: Dr. Kalyana Babu Nakshatrala

Meng Liu

Bond Behavior and Reliability Analysis
of Carbon Fiber Reinforced Polymer
(CFRP) Strengthened Steel Beams
ADVISOR: Dr. Mina Dawood

Can Xu

Material Degradation due to
Moisture and Temperature
ADVISOR: Dr. Kalyana Babu Nakshatrala

Botong Zheng

Rehabilitation of Fatigue Sensitive
Steel Elements Using Shape Memory
Alloy/Fiber Reinforced Polymer
(SMA/FRP) Composite Patches
ADVISOR: Dr. Mina Dawood

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

DOCTOR OF PHILOSOPHY IN ELECTRICAL ENGINEERING

Yunan Gu

Matching Theory Framework for
5G Wireless Communications
ADVISOR: Dr. Zhu Han

Sirui Xing

Kinetic Study of Graphene Synthesis
by Chemical Vapor Deposition
ADVISOR: Dr. Shin-Shim Pei

Mengna Yang

Investigation of TDOA Localization
Method for Non-Line-of-Sight Scenarios
ADVISORS: Dr. David R.
Jackson and Dr. Ji Chen

DOCTOR OF PHILOSOPHY IN INDUSTRIAL ENGINEERING

Li Liao

Intensity Modulated Proton Therapy
Optimization Under Uncertainty: Field
Mis-alignment and Internal Organ Motion
ADVISOR: Dr. Gino Lim

DOCTOR OF PHILOSOPHY IN MATERIALS ENGINEERING

Sean Michael Berg

Development of Analytical Models
for Evaluating the Mechanical and
Electrochemical Response of Flexible and
Stretchable Lithium Ion Battery Materials
ADVISOR: Dr. Haleh Ardebili

Taylor Hidemi Kelly

Investigation of the Mechano-Electrochemical
Coupling of Solid Polyethylene Oxide
and Stretchable Lithium Ion Batteries
ADVISOR: Dr. Haleh Ardebili

Ivan Nekrashevich

Ferromagnetic Resonance Spectroscopy
of Arrays of Coupled Nanomagnets
ADVISORS: Dr. Dmitri Litvinov and
Dr. Paul Ruchhoeft

William Quinn Walker

Thermo-Electrochemical Mechanisms
of Lithium Ion Batteries for Human
Space Flight Applications
ADVISOR: Dr. Haleh Ardebili

DOCTOR OF PHILOSOPHY IN MECHANICAL ENGINEERING

Fatemeh Ahmadpoor

Statistical Mechanics of two-
dimensional Materials: From Biological
Membranes to Graphene
ADVISOR: Dr. Pradeep Sharma

Song Chen

Novel Fabrication of Flexible Electronics
by Transfer Printing Process
ADVISOR: Dr. Cunjiang Yu

Mejdi Kammoun

Flexible and Stretchable Lithium Ion
Batteries Based on Solid Polymer
Nanocomposite Electrolyte
ADVISOR: Dr. Haleh Ardebili

Seyed Mohammad Parvasi

Advances in Piezoelectric Modeling
for Health Monitoring of Structures
with Interface Elements
ADVISOR: Dr. Gangbing Song

Xin Yan

Time-Scaling in Atomistics and the
Mechanical Behavior of Materials
ADVISOR: Dr. Pradeep Sharma

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

Cullen College of Engineering
CANDIDATES FOR GRADUATION

Junxiao Zhu
Innovative Applications of
Piezoelectric Ceramic for Structural
Impulse Events Monitoring
ADVISOR: Dr. Gangbing Song

**MASTER OF SCIENCE
IN AEROSPACE ENGINEERING**

Saravanakumaar Ramia
Alec J Stephenson

**MASTER OF SCIENCE
IN BIOMEDICAL ENGINEERING**

Kelsey Smegner

**MASTER OF SCIENCE
IN CIVIL ENGINEERING**

Sravya Bikki
Venkatesh Burri
Saicharan Patel Byrishetty
Ranadeer Gadeela
Harish Hegde
Halil Ibrahim Kula
Jinge Li
Wanzhi Liu
Yunhao Lu
Raj Gopal Nannapaneni
Dhrudat Mahendrakumar Patel
Salouna Pati
Rabin Poudel
Harischandra Bhanu Tadikonda
Xiaoyin Tan
Huy Quang Tran
Saurav Regmi

**MASTER OF CHEMICAL
ENGINEERING**

Qiang Gao

Sha Huang
Jennifer Johnson
Rodney L. Leger
Aymara Carolina Pacheco
Jonathan Jay Chaim Talor

**MASTER OF SCIENCE
IN CHEMICAL ENGINEERING**

Nicholas Jason Collett
Rajat Subhra Ghosh
Joshua Daniel Herr

**MASTER OF SCIENCE
IN COMPUTER AND SYSTEMS
ENGINEERING**

Mohammad Mobashshir Alam Adeel
Bhumika Jaysukhbhai Dhama
Mohammed Mukarram Gulam
Tejeswini Jayaramareddy
Vinay Kumar Reddy Kaitha
Vamshidhar Reddy Keesara
Vinay Babu Kosaraju
Sindhu Maturi
Sreya Saswati Mohanty
Ahmed O. Ogunfayo
Saketh Reddy Palakollu
Sujita Rani Pathipaka
Harshavardhan Sriperumbooduru
Alma Rebeca Tijiboy Mendoza
Varshitha Reddy Yendapally

**MASTER OF ELECTRICAL
ENGINEERING**

Bindu Varshini Kosanam
Niteshkumar Mishra
Simrat Bir Singh Pannu
Adwita Chintamani Parkar
Asher Rahman

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Alekhya Bhavani Adusumilli
Anusha Aedavalli
Rajeev Reddy Bathula
Pouya Beigi
Naveen Reddy Chilumula
Zhengwu Fang
Prateek Prakash Gaure
Pavithra Gopinath
Bala Naga Vamsidhar Grandhi
Sahithi Krishnaveni Grandhi
Ahmed Mughees Hassan
Eric Scott Ingram
Srikanth Kandanuru Venkata Sudarshan
Gauri Vijay Kelkar
Matthew Lewis
Habib Falih Maher
Syed Waris Mahmood
Srijani Mukherjee
Raidan R Nasreddine
Chioma Shirley Ndobu
Shrivatsa Neerkaje
Khuzema Sunel
Lifeng Yan

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Saurabh Nomula
Pujith Pamulapati
Rakiba Rouf
Susana Vallejo

MASTER OF SCIENCE IN GEOSENSING SYSTEMS ENGINEERING AND SCIENCES

Peter J. Gadomski

MASTER OF INDUSTRIAL ENGINEERING

Sameer Reddy Alapati
Krishnasai Reddy Ambati
Abhishek Cheboli
Dhiraj Panditrao Chougale
Michael Graham Conlin
Sri Harsha Reddy Daggula
Naga Santoshi Haasika Dasika
Dinesh Devarajan
Sriram Dintakurti
Veera Venkata Srujan Kumar Dronamraju
Dharanidhar Reddy Edala
Stewart Austin Estopinal
Chaitanya Gangineni
Sai Jayanth Reddy Gillella
Sicong Guo
Reza Jarvand
Naveenraj Kalyanasundaram
Karthick Srinivasan Kandasamy
Sahit Katta
Sai Vivek Kethavarapu
Gaurav Khandelwal
Chia Yuan Ko
Huseyin Kose
Tarun Kunchakuri
Vishwanath Lingam
Akhila Sree Maddukuri
Dipam Sudhirbhai Makani
Sreshta Mandadi
Rube Victor Mariduena Piedra
Evan James Morris
Aditya Subramani Murugan
Sravan Krishna Narra
Nishant Kamleshkumar Patel
Harsh Mukeshbhai Patel
Vivek Anand Reddy Pidaparathi
Sri Pranay Potluri

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

Cullen College of Engineering
CANDIDATES FOR GRADUATION

Pranav Chandrashekhar Purohit
Praveen Ramesh
Aashika Sathya Moorthy
Naga Lakshmi Poojitha Satyavarapu
Harihara Sekar
Parth Rakeshkumar Shah
Rushi Gaurangbhai Shah
Deepak Shankar
Raj Kumar Shanmugha Sundaram
Saketh Kapardi Singaraju
Harmandeep Singh
Duarakesh Sridhar
Vamsi Kaushik Sridharan
Manoj Surapaneni
Rahul Teja Thottempudi
An T. Trinh
Vaibhav Tyagi
Abhishek Vaid
Prem Vanajothi
Esabelle Verdeja

**MASTER OF SCIENCE
IN INDUSTRIAL ENGINEERING**

Saurav Sharma
Varun Vedantham

**MASTER OF SCIENCE
IN MATERIALS SCIENCE AND
ENGINEERING**

Chella Ganapathy Chockalingam
Bharath Dixit
Kuan Yi Lee

**MASTER OF MECHANICAL
ENGINEERING**

Diego Alejandro Rojas

**MASTER OF SCIENCE
IN MECHANICAL ENGINEERING**

Kurre Abhishek
Anurag Bagmar
Carlos S. Cano
Naveen Chanda
Kiran Kumar Reddy Chalamala
Rosline Hasmukh Aka Harrison Christian
Efoise Vincent Eigbobo
Bahareh Eslami
Farzad Faisal
Ronald Obokhuai Irerua
Mukundkumar Manishbhai Kacha
Saketh Reddy Karra
Navya Kolli
Sai Krishna Pranav Kompalli
Rahul Korpu
Alexander S. Kortum
Vinay Kumar Reddy Mandadi
James Patrick McGlynn
Kashish Mittal
Jyothirmayee Musamalla
Kamala Kannan Nattamai Rajan
Ronit Rajeshkumar Patel
Antonis Vasilios Tatsis
Seyed Mohammad Sajadi
Jithin Sai Sandra
Smith Sarkar
Shadi Shariatnia
Xiaoyang Shen
Rithvik Vankayala
Vamsi Mohan Vedhuruwada
Lakshmi Sarma Krishna Teja Vedula
Vamsi Yerraguravagari
Yuan Zhang

MASTER OF PETROLEUM ENGINEERING

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Kumara Mouktik Chittipeddi
Seif Elfeky
Jingya Guan
Kaijie Guo
Yi Jiang
Haixia Liu
Palak Puri
Kyuchul Shin
Vignesh Swaminathan
Xuanda Wu
Jielin Xu

MASTER OF SCIENCE IN PETROLEUM ENGINEERING

FNU Gaurav
Himanshu Shekhar Jha
Deep Rajendrakumar Joshi
Dileep Kumar Ujjineni

MASTER OF SCIENCE IN SUBSEA ENGINEERING

Abayomi Adesina Adediran
Olaoluwa Ayotunde Alalade
Adewole Ayodeji Badmus
Preston Abbott Broom
Ovidio Cesar Gonzalez
Javan Ogorchukwu Igboh
Ahmad Oluwadamilola Isiaka
Oluwabusayo Modupe Olorunnipa
Oluwarotimi Okikiola Shoge
Kartik Subramanian

BACHELOR OF SCIENCE IN BIOMEDICAL ENGINEERING

Nada Y. Enan
Eric Carl Machmer
Ruth E. Segovia
Julianne Deborah Stutz
Aubrey Claire Swilling

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Juan E. Arciniega
Yasser F. Aziz
Jimmy Dang
Johnny Dang
Matthew Gage Murray
Manuel Enrique Rojas O'Callaghan
Chad Allen Sims
Khai The Truong

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Hala Barrag Abdo
William G. Arsola ²
Tanzeem Ahmad Chowdhury
Jorge N. Cuevas-Quintanilla ²
Alexander Paul Deeb
Farhan Zuher Dossaji
Christopher Leonard Frost
Doroteo Garcia
Jose Garza
Matthew Shane Gill ²
Cesar Ariel Gonzalez
Daniel Fernando Gracia
Rick J. Harenberg ¹
Jacob A. Logan
Walter Mata ³
Henry Hung Nguyen

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Cullen College of Engineering
CANDIDATES FOR GRADUATION

Shanna Elizabeth O'Hara
Shaun L. Smith
Evelyn Stewart
Tu Gia Truong
Ayman Sami Zamzam
Basil M. Zibdawi ^{2,4}

**BACHELOR OF SCIENCE
IN COMPUTER ENGINEERING**

Cori Nicole Bradshaw
Chaofan Chen
James Everett Cockrell III
Albien Fezga
Dhruvmin Dipakkumar Gandhi
Jitin George
Larry W. Gerhardt
Christian S. Krause
Carlos Alejandro Quiroga

**BACHELOR OF SCIENCE
IN ELECTRICAL ENGINEERING**

Jhangir Khalid Awan
Kameron Billingsley ³
Luis Joel Camacho Diaz
Christian P. Carlin
Michelle Dang
Hamid Faizi
Zachary Tyler Freeman
Tiffany R. Garcia
Alfredo A. Garza
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The Alma Mater

All hail to thee,
Our Houston University.
Our hearts fill with gladness
When we think of thee.
We'll always adore thee
Dear old varsity.
And to thy memory cherished,
True we'll ever be.

Academic Regalia

THE ATTIRE of the participants dates back to the 12th and 13th centuries, when universities began to be established in Europe. In 1321, at the University of Coimbra in Portugal, gowns were required attire not just for faculty members, but also for students of all classifications. Other European universities started requiring gowns, but there was not a standard design. In 1887, Gardner Leonard volunteered to design the graduation gowns for his class at Williams College. His design, as well as the standardization of colors to denote areas of study, were later adopted by an intercollegiate commission, and are the ones used today by most United States colleges and universities.

GOWNS. The bachelor's gown has long pointed sleeves; the master's gown has an oblong sleeve open at the wrists (some older gowns may be open near the upper part of the arm); the doctoral gown is fuller than the others with full-length velvet panels on the front and three velvet crossbars on each sleeve in black or in the color distinctive to the academic discipline of the wearer's degree.

HOODS. The hood, worn by master's and doctoral degree recipients, drapes over the shoulders and down the back and indicates the academic discipline to which the degree pertains; the field of the hood denotes the university that conferred the degree. The size of the hood indicates the level of the degree.

CAPS. The black mortarboard is the most common cap used. The tassel fastened to the center of the cap is black, although it may be the color appropriate to the subject of the degree. The tassel for the doctoral cap may be of gold thread. Candidates for bachelor's degrees wear the tassels on the right side, shifting it to the left side after being awarded their degrees. Candidates for master's and doctoral degrees wear their tassels on the left side from the outset and do not shift them after receiving their degrees.

BACHELOR'S DEGREES	<i>Gown:</i> Black <i>Tassel:</i> Orange
MASTER'S DEGREES	<i>Gown:</i> Black <i>Hood:</i> Orange <i>Tassel:</i> Black
DOCTORAL DEGREES	<i>Gown:</i> Black <i>Hood:</i> Dark Blue <i>Tassel:</i> Old Gold

A special thanks to the Convocation Committee and volunteers who assisted in making this memorable event possible.

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