



COLLEGE OF ENGINEERING
LAMAR UNIVERSITY™

COMMENCEMENT CEREMONY

MONTAGNE CENTER
SATURDAY, MAY 23, 2015

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Rossanna Salazar, Vice Chairman (2017)	Austin
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Kevin J. Lilly (2015)	Houston
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Brian McCall, Ph.D., Chancellor	

UNIVERSITY ADMINISTRATION

Kenneth R. Evans, Ph.D.	President
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Jason Henderson, M.B.A.	Director of Athletics

ACADEMIC DEANS

William E. Harn, Ph.D.	Dean of Graduate Studies
Brenda S. Nichols, D.N.Sc.	Dean of Arts and Sciences
Enrique "Henry" Venta, Ph.D.	Dean of Business
William R. Holmes, Ph.D.	Interim Dean of Education and Human Development
Victor Zaloom, Ph.D.	Interim Dean of Engineering
Russ A. Schultz, D.M.A.	Dean of Fine Arts and Communication
Kevin Dodson, Ph.D.	Dean of Reaud Honors College
David J. Carroll, M.L.S.	Director of Library Services



Dear Graduates of Spring 2015,
Relatives and Friends:

On behalf of the Lamar University Administration, the College of Engineering Leadership Team and faculty and staff of your academic department, congratulations on achieving this very significant milestone in your life. Each of you have worked hard, made new friends, received guidance and support from family, Lamar faculty and staff, and friends. This ceremony has three purposes. First is to formally celebrate your achievement.

Second is to thank those who supported and helped you along the way. Finally, is to begin the next phase of your life where you will set new goals and pursue them with the same or even higher levels of dedication.

My wish for you is that you set the right goals. Set them high enough so that you must work both smart and hard to achieve them and then feel that happiness that comes from seeing your hard work and excellent preparation pay off. It has been said many times that success is at the intersection of hard work and preparation.

You have been prepared and encouraged to pursue learning as a life-long endeavor. Always seek new knowledge because the world is changing faster than ever before and change will continue to accelerate. So your knowledge and skills will need continuous updating.

Socrates said, and I quote, "the unexamined life is not worth living." Continue to ask yourself: "If I continue on my current path will I arrive at where I want to be?" Is my goal still the one I really want to pursue? If not, set a new goal and change course so you can be successful.

A handwritten signature in cursive script that reads "Victor Zaloom". The signature is written in dark ink on a light background.

Victor Zaloom, Ph.D.
Interim Dean



CEREMONY PROGRAM

Musical Prelude	Lamar University Brass Ensemble Scott Deppe, Ed.D. Director of Bands
Academic Processional*	Dr. Hsing-wei Chu, Ph.D. Chair of Mechanical Engineering Piper Professor
Crown Imperial Walton	Lamar University Brass Ensemble
The National Anthem* <i>The Star Spangled Banner</i> Francis Scott Key	Serdar Ilban, D.M.A. Assistant Professor of Music
Welcome/Introductions	Victor Zaloom, Ph.D., Interim Dean
Commencement Address	L. DeWayne Layfield
Certification of Candidates	Victor Zaloom, Ph.D.
Conferring of Degrees	Kenneth Evans, Ph.D. President
Presentation of Graduating Class/ Investiture of Doctorates	Victor Zaloom, Ph.D.
Readers	Sujay Mahale Doctoral Student Department of Industrial Engineering Arebel De Torres Undergraduate Student Dan F. Smith Department of Chemical Engineering

Concluding Remarks
and Awards

Victor Zaloom, Ph.D.

Lamar University
Alma Mater*
G. Rhodes Smartt

Serdar Ilban, D.M.A.

*Lamar to thee we're singing
Voices raised on high.
We will forever love thee
Laud thee to the sky.*

*We will ever need thee
As our guiding star.
To us you'll always be
Our glorious Lamar.*

Recessional*

Dr. Hsing-wei Chu, Ph.D.

Please join us for an informal reception under the tent, located
in front of the Montagne Center, following the ceremony.

**Audience please stand.*

*To maintain the dignity of the program, guests are requested to refrain from
unnecessary noises (air horns, etc.) and movement during the ceremony.*



**COLLEGE OF ENGINEERING FACULTY
IN ATTENDANCE**

Dr. Victor Zaloom, Interim Dean

CHEMICAL ENGINEERING

Dr. T. C. Ho, Chair
Dr. Jack R. Hopper
Dr. Evan Wujcik

CIVIL ENGINEERING

Dr. Robert Yuan, Chair

ELECTRICAL ENGINEERING

Dr. Harley Myler, Chair
Dr. Reza Barzegaran
Dr. Wendell C. Bean
Dr. Koji Hirano
Dr. G. N. Reddy
Dr. Selahattin Sayil
Dr. Gleb Tcheslavski

INDUSTRIAL ENGINEERING

Dr. Brian Craig, Chair
Gary Yentzen

MECHANICAL ENGINEERING

Dr. Hsing-wei Chu, Chair
Dr. Xuejun Fan
Dr. Ramesh Guduru

MARSHALS

Dr. Hsing-wei Chu, Chair
Dr. Paul Corder
Dr. Jerry Lin
Dr. Alberto Marquez
Dr. Ruhai Wang
Dr. Tao Wei



ALUMNI SPEAKER
L. DeWAYNE LAYFIELD



L. DeWayne Layfield graduated from Lamar University with a Bachelor of Science in Chemical Engineering in May 1987. He was awarded his Juris Doctorate from the University of Texas School of Law in May 1990. Mr. Layfield began his legal career as a clerk with the United States Fifth Circuit Court of Appeals, followed by four years as an attorney with Vinson & Elkins LLP. He then spent the next four years as senior counsel to what is now Bridgestone America's Tire Operations

LLC, and the past eighteen years in the private practice of law with his own firm. Much of Mr. Layfield's legal practice has focused on the intersection between engineering and law, which includes product manufacturing and design, environmental issues and semiconductor production. Mr. Layfield has remained involved with the Lamar University College of Engineering as a member of the Engineering Advisory Counsel. In 2012, the L. DeWayne Layfield-Texas State University System Foundation Scholarship was created to provide financial aid to engineering students at the university. He is married to Carol Layfield, also a Lamar University graduate, as is their son, Jason, who received his Electrical Engineering degree in 2014. Three of their other children have also attended LU.



DOCTOR OF ENGINEERING IN CIVIL ENGINEERING

Sina Kouchekali Nejad

DOCTOR OF ENGINEERING IN INDUSTRIAL ENGINEERING

Jaber Saeed Alzahrani

DOCTOR OF PHILOSOPHY IN CHEMICAL ENGINEERING

Daowei Ding
Qingliang He
Huige Wei
Xi Zhang

MASTER OF ENGINEERING IN CHEMICAL ENGINEERING

Vamsi Krishna Banda
Yogesh Nilchand Dafade
Harshini Gunti
Samudra Gupta
Robin Francis Jose
Guanlong Li
Tejovatni Lavanya Pasupuleti
Nelson Lane Schooler
Ameen N. Sheriff
Zexin Tian
Siva Sankar Vajja
Jing Wang

MASTER OF ENGINEERING IN CIVIL ENGINEERING

Deepika Ankareddi
Nomitha Reddy Danda
Abrham Mussie Demessie
Nabin Khadka
Andrea Llamas-Perez
Umesh Neupane
Sushil Patil
Rakesh Ramineni

MASTER OF ENGINEERING IN ELECTRICAL ENGINEERING

Bhawana Adhikari
Rahul Krishna Araveti
Sreenadh Badam
Giridhar Sai Nath Batchu
Krishna Samanth Beeram
Alok Bhashyakarla
Keerthi Reddy Chitreddy
Praveen Chukkapalli
Samhitha Reddy Eega
Nikhitha Enugala
Mounika Gouni
Naga Prasad Guduru
Bhargavi Jadala
Swathi Jangiti
Sneha Chowdary Kantheti
Sahithreddy Katpally
Yuvaraj Kavala
Ramalrishna Kommineni
Ravi Teja Kommineni

Venkata Reddy Konda
Srikanth Koppula
Vineel Kumar Mamillapalli
Muralidhar Meka
Kedarinathchowdary Mullaguri
Sivarama Krishn Nandanamudi
Amit Keshaji Oswal
Sowmya Pamidi
Abhijith Pandhem
Srinivasa Satya Yashwant
Pasupuleti
Nagarjuna Pathuri
Sai Abhinay Pidugu
Ajay Pillagolla
Sai Chaitanya Pudi
Rohith Pujari
Naga Bhanu Mahesh Reddy Rolla
Anvesh Kumar Sambari
Sadhan Kumar Sarker
Likhitha Seeramreddi
Viveksinh Jitendrasinh Solanki
Vijaykanth Taraka
Manoj Kumar Thota
Teja Reddy Tummala
Bipinbhai Bhagvanjibhai Vaghela
Ashok Yedla

MASTER OF ENGINEERING IN INDUSTRIAL ENGINEERING

Manu Mohan-Cherukappallil
Sri Durgaram Satyadeep
Naraganeni
Ujwal Krishna Varma Pusapati

MASTER OF ENGINEERING IN MECHANICAL ENGINEERING

Srikanth Reddy Boyapally
Sampathkumar Rallabandy Chary
Yuvrajsinh R. Chauhan
Venkata Anjana Avinash Chunduri
Sai Avinash Edara
Harshavardhan Gandhari
Seetha Ram Goli
Pavan Kishore Jenula
Bhakti Satish Joshi
Bhaumikkumar Bharatkumar
Kanani
Sindhuja Katikaneni
Sachin K. Katila
Raghav Kharbanda
Sai Krishna Macha
Dhirendrasinh Pravinsinh Mahida
Ravi Teja Nadendla
Himakar Nannapaneni
Nilesh Dilip Patil
Venkata Krishna Harshavardhan
Ramineedi
Varun Reddy Sandhi
Pranav Bharat Shah
Ankit Sharma
Sarath Chandra Simhadri
Janaki Venkata Chandan
Srikakulapu
Suresh Ammanallur
Venkategowda



MASTER OF ENGINEERING SCIENCE IN CHEMICAL ENGINEERING

Hashim K. Almrayani
Md Shariful Haque
Keyvan Mollaeian

MASTER OF ENGINEERING SCIENCE IN ELECTRICAL ENGINEERING

Saketha Reddy Baddam
Nirban Bhowmick
Mohammad Al-Amin Chowdhury
Rahul Ghosh
MD Mustafizur Rahman
Syed Ashfaqur Rahman
Md Abu Sayeed

MASTER OF ENGINEERING SCIENCE IN MECHANICAL ENGINEERING

Jeremy John Adams
Chandan Nath

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Srijana Joshi
Raees Abdulaziz Punjani

MASTER OF ENGINEERING MANAGEMENT

Rathnasri Reddy Boochireddy
Ishita Jain
Divya Reddy Rakashi
Ramesh Rudra
Sai Laxmi Vatte

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Daniel B. Adams
Justin Adam Bode
Derek Douglas Borel
Dean Charles Bostwick
Micheal Jaray Brooks
Clayton Alto Cabeen IV
Robert David Daniel
Bleinie Cristina Dickerson
Anthony Hoang Do
Idara B. Effiong
Dillon John Ford
Daryll Dominic Go
MD Rajibul Hasan
Yazeed Sohail Janbi

Jordan Alan King*
Ivan Alexander Kotsiourouba
Lori Samantha Lee
Christopher Claydale Lusich
Joanna Mendoza Martin
Sean Michael Murphy
Vaughn Joel Ogrydziak
Alexander Eugene Perticone
Garrett Ray Peters*
Thanh Thuy Pham
Shameca S. Pierre
Trent Walter Raby
Mehrnaz Rafati
Nelson Lane Schooler
Samuel James Stabler
Neha Shreekant Sutrave*
Bria Ryan Thibodeaux
Ashley Torbert
Thuy Linh Jessica Tran
Shawn Redmond Vorda
Tatiana Ivanovna Wells

**BACHELOR OF SCIENCE
IN CIVIL ENGINEERING
AND MATHEMATICS**

Lauren E. Combs

**BACHELOR OF SCIENCE
IN CIVIL ENGINEERING**

Lacey L. Atkins
James Michael Bourne Jr.
Jeremiah Cole Fox
Raul Jimenez
John Paul Kirk
Gerardo Compean Mata
Michael Cleet McDaniel
Omar Martinez Rodriguez

**BACHELOR OF SCIENCE IN
ELECTRICAL ENGINEERING**

Eisa Mohammad Ahmad
MD Ashraful Alam
Jae Woo An
Victor Ivan Cazares
Dalton Andrew Couch
Nicholas W. Crabtree
Christopher Duc Dang
Jason Findley Dark
Jason William Foster
Vi Trieu Le Hoang
Travis Ryan Killough
Favian Loera
Luke Stephen Marrs
David James Mikel*
Zachery Shane Peevey
Colton Alan Romero
Daniel Bernard Rodomanski
Nhu Y Thanh Tran



Tuan Quoc Tran
James Bradley Weiss
Shleah Ruth Whitlock

**BACHELOR OF SCIENCE
IN INDUSTRIAL ENGINEERING**

Khalid Saeed Althubiti
Kyle L. Baker
Colleen Anne Culpepper
Henok Mulissa Dandena
Brent Michael Depouw
Abby Brooke McManus
Kylie DeAnn Robinett
Vewiser Joseph Turner III

**BACHELOR OF SCIENCE IN
INDUSTRIAL TECHNOLOGY**

Kevin Domingue
Ryan Christopher Holt
Christopher Mark Horner
Bernadette Marie Loweree
Paul David Perkinz
Thang Duc Pham
Jarvis Burnon Simon
Burdy Thierry
James Keith Watkins

**BACHELOR OF SCIENCE IN
MECHANICAL ENGINEERING**

Paydon Aaron Babino
Joshua Dwayne Barnes



William Matthew Barnes
Jack Alvin Beckham
Ashley Lynn Brooks
Jackson S. Broussard
Jeffrey Reagan Brown
Logan Wade Bryant
Chanse Allen Bullock
Victor Alfonso Castillo
Stevenson Worthington
Chambers
Erman Cihan
Daniel Joshua Durr
Tammie Shanelle Engle
Melody Jean Hinson*
Jacob Nicholas Howard
Theodore Wagner Kretschmer

Cody Wayne Kutach
Ruijie Li
Cristian Daniel Martinez
Michael Joseph Lee Mason
Grant Edward Neal
Samuel Joseph Placette
Sarah Ann Rosaschi
Kolby Dakota Smith
Wayne A. Stanley
Russell Blake Sullivan
Trevor Wayne Swint
Jose A. Tristan
Jenessa Marie Yocham
Adam Bryce Zahradnik

**Reaud Honors College Graduate*



DOCTORAL DISSERTATIONS AND FIELD STUDIES

Alzahrani, Jaber S. – Measuring Efficiencies and Economic Impact of Air Transportation Sector in the U.S. Economy Using Data Development Analysis and Leontief Analysis – Alberto Marquez, Supervising Professor

Ding, Daowei – Multifunctional Polymer Nano-Composites for Chemical Synthesis, Property Analysis and Applications – Zhanhu Guo, Supervising Professor

He, Qingliang – High Frequency Electromagnetic Interference Shielding Magnetic Polymer Nanocomposites – Zhanhu Guo, Supervising Professor

Nejad, Sina K. – A Field Study in Protection of Petrochemical Facilities from Accidental and Manmade Threats – Nicholas Brake, Supervising Professor

Wei, Huige – Engineered Nanocomposites for Anticorrosion, Electrochromism, and Energy Storage Applications – Zhanhu Guo, Supervising Professor

Zhang, Xi – Multifunctional Polymer Nanocomposites – Zhanhu Guo, Supervising Professor

MASTERS THESES

Adams, Jeremy J. – Vapor Pressure Prediction in Reflow for Stacked-Chip Packages by Convection-Diffusion Model – Xuejun Fan, Supervising Professor

Almrayani, Hashim – CFD Modeling of Lab-Scale Flare Soot Emission and Performance – Daniel Chen, Supervising Professor

Bhowmick, Nirban – A Simulation-Based Study of Difference in Multimedia Performance of UMTS LTE Based Self-Organizing Network with and without Soft Handover at Varying Vehicular Speeds – Harley Myler, Supervising Professor

Chowdhury, Mohammad A. –
Femtocell and Its Deployment
with Macrocell Network for
Increasing Capacity of the
Entire Network – Harley Myler,
Supervising Professor

Ghosh, Rahul – Analysis
of Optimal Power-Aware
Scheduling Techniques in
Embedded Systems for
the Uniprocessor and the
Multiprocessor Platforms
Running Non-Preemptive Jobs
– Gleb Tcheslavski, Supervising
Professor, Stefan Andrei, Co-
Supervising Professor

Haque, Md. Shariful –
Polypropylene Nanocomposites
Reinforced with Graphene
– Zhanhu Guo, Supervising
Professor

Mollaeian, Keyvan – Layered
Double Hydroxide Catalyst
for the Conversion of Crude
Vegetable Oils to a Sustainable
Biofuel – Tracy J. Benson,
Supervising Professor

Nath, Chandan – Thermal
Characteristics of Solar
Concentrator and Thermo-
Economic Analysis of
Concentrating Solar Power Plants
– Kendrick Aung, Supervising
Professor

Rahman, Md. Mustafizur –
Reduction of Thermally Induced
Clock Skew and Crosstalk –
Selahattin Sayil, Supervising
Professor

Rahman, Syed A. – Reliability
Analysis of Various Body Biasing
Techniques – Selahattin Sayil,
Supervising Professor

Sayeed, Md. Abu – Soft Error
Mitigation Using DTMOs
Combined with Transmission
Gate – Selahattin Sayil,
Supervising Professor



HONORS

An Honor Graduate must have completed 60 hours at Lamar University for a 4-year degree. A student with a GPA of 3.5 or higher on all LU undergraduate work will be awarded honors. Cum laude is 3.5 to 3.64, magna cum laude is 3.65 to 3.79 and summa cum laude is 3.8 to 4.0.

ALPHA LAMBDA DELTA

Freshman Honors
Red, White and Gold Triple Cords

ALPHA PI MU

Industrial Engineering Honor Society
White Cord Joined with White Panel

BETA XI CHAPTER OF PHI BETA DELTA

International Student Honors
Gold Medallion with Red and Yellow Ribbon

CHI EPSILON

Civil Engineering Honor Society
White Stole

DELTA-BETA CHAPTER OF ETA KAPPA NU

Electrical and Computer Engineering Honor Society
Yellow Stole with Insignia,
Yellow Cord with Red and Blue Tassel

LU AMBASSADORS

Student Ambassadors
Red and Gold Double Cord

LU HONORS

Latin Honors
Red and White Double Cord

LU VETERANS

US Military Veteran
Red, White and Blue Double Cord

OMEGA CHI EPSILON

Chemical Engineering Honor Society
White Stole

THE ORDER OF THE ENGINEER

Upholding Engineering Integrity
Orange Stole with Red Trim

ORDER OF OMEGA

Greek Honors
Gold Stole with Logo, Gold and Ivory Cords

PHI BETA DELTA

International Honor Society
Gold Medallion with Red and Gold Ribbon

PHI ETA SIGMA

Freshman Honors
Black and Gold Double Cords

PHI KAPPA PHI

Junior/Senior Honor Society
Yellow Stole with Insignia on White Background,
White Medallion with a Blue Ribbon and Blue Cord

REAUD HONORS COLLEGE

Graduate who has completed 23 hours of honors coursework,
including an honors thesis, or 26 hours with eight hours of upper-level
credits, while maintaining a 3.25 GPA.
Bronze Medallion with Red and White Ribbon

SMITH-HUTSON SCHOLAR

Smith-Hutson Scholarship Recipient
Black Stole with Red Trim

TAU BETA PHI

Engineering Honor Society
White Stole with Orange Insignia



THE ACADEMIC REGALIA

In its essential features, the academic regalia worn at American college exercises had its beginning in the Middle Ages. The oldest universities in Northern Europe grew out of church schools, and both faculty and students were regarded as part of the clergy. Hence, as their regular costume, they wore clerical garb borrowed largely from the monastic dress of their day.

The academic gown and hood were first regularly adopted by the University of Cambridge in 1284 and by the University of Oxford a little later. The custom transplanted to this country in Colonial times by King's College in New York, now Columbia University. In 1895, American universities and colleges decided to standardize their academic styles and developed the intercollegiate code of academic costume. The style follows in the vein of the Cambridge tradition. The distinctive caps, gowns and hoods worn at present-day college and university functions denote the institution that granted the degree, the field of learning in which the degree was earned and the level of the degree – bachelor, master or doctorate.

The gown is usually of black material (serge or worsted for bachelors, the same or silk for masters and silk for doctors). Bachelor's gowns have pointed sleeves and master's have long pouch-like sleeves, which reputedly were once used to carry books. Doctor's gowns are faced with panels of velvet down the front and three bars of velvet across each sleeve.

The hood, worn around the neck so as to hang down the back, is the principal emblem of the nature and source of the degree held. The colors in the hood lining are the colors of the school conferring the degree. The color of the border indicates the scholarly field of the wearer. Hoods may be worn only after the degree has been granted.

The cap, the square mortarboard in American universities, but a round, short, flat velvet hat in British, Canadian and some European

universities, bears a tassel which may be black, or it may be colored according to the scholarly field of the wearer. Only the doctors' cap may be of velvet.

The degree colors are used for the edging of all hoods and may be used for the velvet facing and sleeve bars of doctors' gowns and tassels on bachelors' and masters' caps. This includes: Arts and Letters – White, Commerce – Drab, Education – Light Blue, Engineering – Orange, Fine Arts – Brown, Humanities – Crimson, Law – Purple, Library Science – Lemon, Medicine – Green, Music – Pink, Pharmacy – Olive, Philosophy (Ph.D.) – Dark Blue, Physical Education – Sage Green, Science – Golden Yellow and Theology – Scarlet.

UNIVERSITY MACE

Originally a medieval weapon and later carried by Sergeants at Arms guarding kings and high church officials, the mace has gradually assumed a purely ceremonial character symbolizing authority. As used in formal academic processions, the mace derives from the early university history. The Lamar University mace is traditional in design. The mahogany shaft is crowned by a head on which are mounted four representations of the university seal. The president of the Faculty Senate, who leads the academic procession, carries the mace in today's ceremony.

ACADEMIC GONFALONS

Gonfalons, banners that are designed to hang from a crossbar, have historical roots dating back to the 12th century when they served as the official emblems to represent the various districts of Florence, Italy. In more recent times, gonfalons have been adopted by academia to serve as symbols to represent each college within a university. Each college has their own representative banners with the dean from the respective college carrying the gonfalon in the academic processional.



LAMAR UNIVERSITY ENGAGES AND EMPOWERS STUDENTS WITH THE SKILLS AND KNOWLEDGE TO THRIVE IN THEIR PERSONAL LIVES AND CHOSEN FIELDS OF ENDEAVOR. AS A DOCTORAL GRANTING INSTITUTION, LAMAR UNIVERSITY IS INTERNATIONALLY RECOGNIZED FOR ITS HIGH QUALITY ACADEMICS, INNOVATIVE CURRICULUM, DIVERSE STUDENT POPULATION, ACCESSIBILITY AND LEADING EDGE SCHOLARLY ACTIVITIES DEDICATED TO TRANSFORMING THE COMMUNITIES OF SOUTHEAST TEXAS AND BEYOND.



LAMAR UNIVERSITY

MEMBER THE TEXAS STATE UNIVERSITY SYSTEM™

Special appreciation is extended to volunteers for serving as ushers for today's commencement ceremony.

This program is not an official graduation list. This printed program lists students who are eligible to graduate pending the outcome of final examinations and final grades. Therefore, it should not be used to determine a student's academic or degree status.

The student's permanent academic record is kept by the Records Department, P.O. Box 10010, Beaumont, Texas 77710. *Students, faculty and staff members are selected without regard to their race, color, creed, sex, age, disability or national origin, consistent with the Assurance of Compliance with Title VI of the Civil Rights Act of 1964; Executive Order 11246 as issued and amended; Title IX of the Education Amendments of 1972, as amended; Section 504 of the Rehabilitation Act of 1973.*