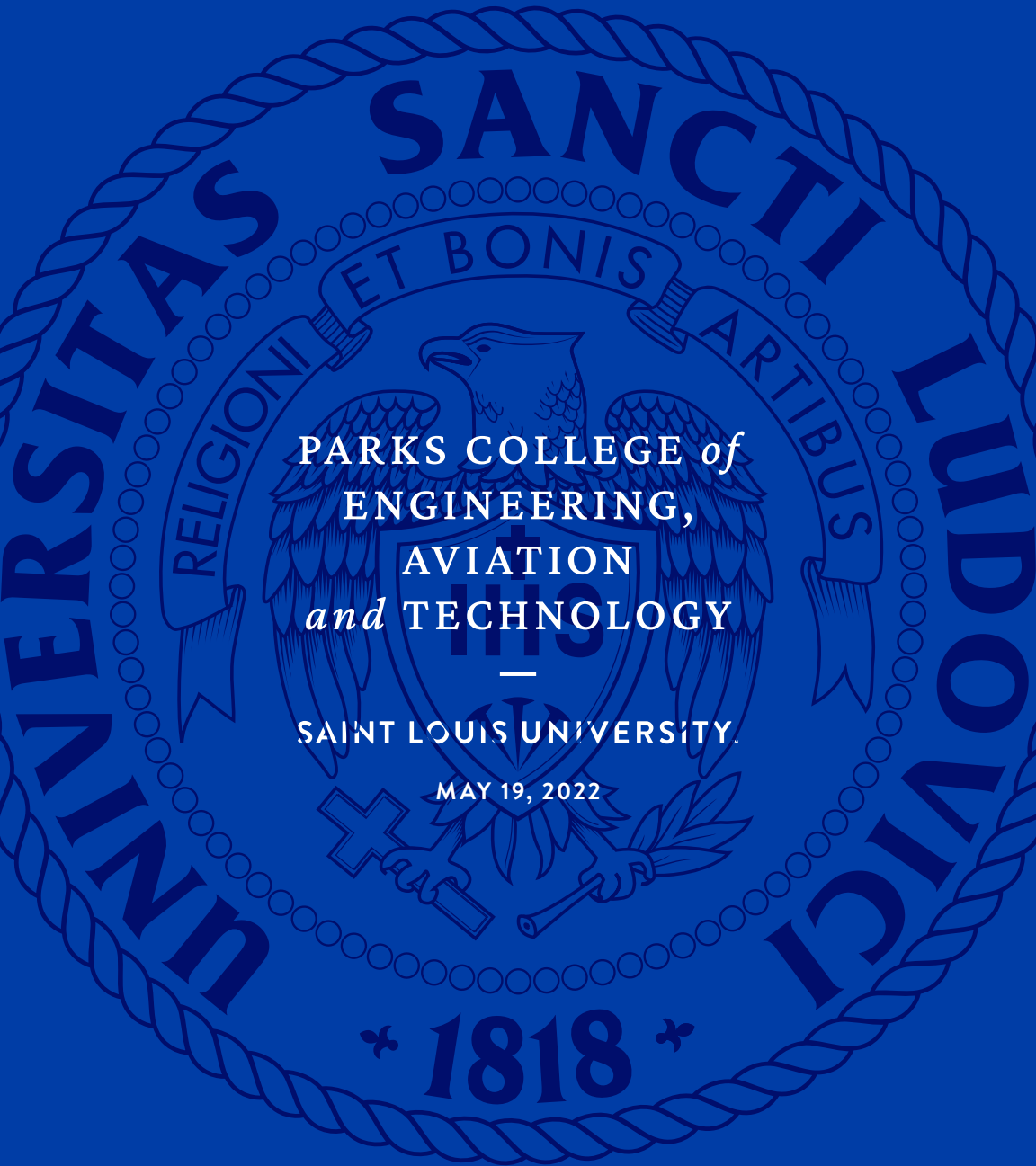


PRECOMMENCEMENT



PARKS COLLEGE *of*
ENGINEERING,
AVIATION
and TECHNOLOGY

—
SAINT LOUIS UNIVERSITY.

MAY 19, 2022

* 1818 *

ACADEMIC ATTIRE

The colorful attire worn by graduates, faculty, trustees and officers of the University has historic roots in the distant medieval past. Dressed in cap and gown, the graduates and their professors are part of a long tradition that dates back to Paris and Bologna, Italy, to Oxford and Cambridge, England, in the days of their Catholic glory.

The exact origins of several parts of the academic garb are a bit of a mystery. Because medieval students enjoyed the status of cleric during their university years, one might guess that their attire found its inspiration in the clerical dress of medieval times. The gown seems to be an adaptation of the robe of friar or priest; the hood, of the monk's or friar's cowl; and the mortarboard cap of today recalls the skullcap of days when tonsured heads needed protection against the drafts of medieval classrooms.

Academic attire began to appear on U.S. campuses in the late 1890s. Since that time, its use has become universal for solemn university functions, and its pattern is highly uniform.

THE GOWNS

The gowns are three in number and styling. That of the bachelor is a yoked, closed-front garment with long pointed sleeves; that of the master has sleeves long and closed but slit just above the elbow to allow the forearms to protrude; the gown of the doctor has full, bell-shaped sleeves. Only the doctor's gown is trimmed — with velvet panels down the front and three velvet bars on each sleeve.

THE HOOD

The hood at first seems to have been worn over the head and attached to the gown. When the skullcap was introduced, the hood was retained but detached and worn much as it is today. Each degree (bachelor's, master's, doctoral) has its special hood, which varies in length and, for the doctor, also in pattern. The color or colors lining the hood are those of the college or university that granted the wearer's degree. For example, Saint Louis University is known by blue chevron on a field of white. The colored velvet binding or edging of the hood, in different widths for bachelor, master and doctor, is determined by the field of study.

THE CAP

The cap, or mortarboard, has become the universally accepted style for colleges and universities in the United States. Many European institutions still retain distinctive forms of academic headdress.

THE TASSEL

The tassel is perhaps the most iconic souvenir of academic attire. The doctor, following graduation, has the right to wear a gold tassel on the mortarboard; black, however, is perfectly proper and perhaps more common. A tolerated practice of varying the color of the tassel on the others has gained acceptance: arts, white; science, gold-yellow; philosophy, dark blue; education, light blue; business, drab; nursing, apricot; technology and engineering, orange; hospital administration, salmon; public administration, peacock blue; social work, citron; law, purple; medicine, green; theology, scarlet; and allied health professions, mint green.

ORDER OF EVENTS

WELCOME

Scott Duellman, Ph.D., *Interim Dean*

PRESENTATION OF COLORS

Parks Guard Rifle Drill Team

NATIONAL ANTHEM

THE INVOCATION

James A. Sebesta, S.J., M.S.

DEAN'S REMARKS

Scott Duellman, Ph.D., *Interim Dean*

THE ADDRESS

Charles C. Kirkpatrick, Ph.D.

*Associate Professor, Saint Louis University, College of Arts and Sciences
Dean of Parks College 1995 - 2004*

Presentation of the Graduates

Awards

OLIVER L. PARKS AWARD

GRAND CHALLENGES SCHOLARS

SENIOR DESIGN AWARDS

OUTSTANDING GRADUATE FACULTY AWARD

OUTSTANDING GRADUATE STUDENT AWARD

THE BENEDICTION

James A. Sebesta, S. J., M.S.

RECESSIONAL

THE WINGS TRADITION

The "Wings Ceremony" gets its name from the tradition in aviation of awarding a pin in the shape of a bird's wings to those who master the skill of flying. Dating back to 1927, Parks College students have been awarded a wings pin upon completion of their studies. The wings pin has come to represent academic success in all fields of study at the college. It stands as a symbol of the freedom to pursue one's dreams and serves as a reminder to return home and share one's successes with all.

THE GRADUATES

BACHELOR OF SCIENCE

AERONAUTICS

Khaled Farouq Abusaid

Shiloh, Illinois

FLIGHT SCIENCE

David Christian Albright

Milford, Connecticut

FLIGHT SCIENCE

Faisal Shel R. Alotaibi

Saint Louis, Missouri

AVIATION MANAGEMENT

Alexis Blanks

Coldwater, Mississippi

AVIATION MANAGEMENT

cum laude

Michael Tyler Boggiano

Austin, Texas

AVIATION MANAGEMENT

cum laude

Abigail Taylor Bredfield

Cabot, Arkansas

AVIATION MANAGEMENT

Jess Hummell Coughtry

Alton, Illinois

AVIATION MANAGEMENT

Skylar Anthony Cribbett

Florissant, Missouri

FLIGHT SCIENCE

magna cum laude

Aidan James Donovan

Pittsburgh, Pennsylvania

FLIGHT SCIENCE

magna cum laude

Clifford E. Drozda V

Evergreen, Colorado

FLIGHT SCIENCE

Scott DuBois

Defiance, Missouri

AVIATION MANAGEMENT

CH Lucas Fairchild

Manchester, Missouri

FLIGHT SCIENCE

cum laude

Jordan-Chase Bueno Fines

Waipahu, Hawaii

FLIGHT SCIENCE

magna cum laude

Conor Fitzgerald

Bellingham, Massachusetts

FLIGHT SCIENCE

David Gregory Friskel

Antioch, Tennessee

FLIGHT SCIENCE

Jake Thomas Gage

Wailuku, Hawaii

FLIGHT SCIENCE

Myles Jared Valencia Gascon

Naperville, Illinois

AVIATION MANAGEMENT

Cody R. Going

Saint Louis, Missouri

FLIGHT SCIENCE

Colton John Henning

Wildwood, Missouri

FLIGHT SCIENCE

cum laude

Daniel Jeremy Igra

Caesarea, Israel

FLIGHT SCIENCE

summa cum laude

Additional Major: Philosophy

Peter H. Jacob

Arlington, Virginia

FLIGHT SCIENCE

University Honors Program

cum laude

Kwangpil Phillip Jeong

Frisco, Texas

FLIGHT SCIENCE

cum laude

Grace Marie Kane

West Bloomfield, Michigan

FLIGHT SCIENCE

summa cum laude

Nicola Eugene Kazandjieff

Porter Ranch, California

AVIATION MANAGEMENT

summa cum laude

Francis James Krueger

Saint Louis, Missouri

AVIATION MANAGEMENT

Christopher Michael McCarthy

Abington, Massachusetts

FLIGHT SCIENCE

cum laude

Eric Charles McElroy

Dunkirk, Maryland

AVIATION MANAGEMENT

Christian Lancelot Mickan

Saint Louis, Missouri

FLIGHT SCIENCE

Johanes Munua

Lake Saint Louis, Missouri

FLIGHT SCIENCE

cum laude

Joshua M. Murdock

Saint Charles, Missouri

AVIATION MANAGEMENT

Harrison James Niswonger

Grafton, Wisconsin

AVIATION MANAGEMENT

Geoffrey Patton

Saint Louis, Missouri

AVIATION MANAGEMENT

summa cum laude

Annie Pham

Memphis, Tennessee

FLIGHT SCIENCE

cum laude

Connor Michael Prinsen

Saint Peters, Missouri

FLIGHT SCIENCE

magna cum laude

Luis Fernando Reyes Lopez

Lake Saint Louis, Missouri

AVIATION MANAGEMENT

David Anthony Rodgers

Pasadena, California

AVIATION MANAGEMENT

Riya San Srmbichira

Houston, Texas

FLIGHT SCIENCE

Bradley Terjelian

Saint Peters, Missouri

AVIATION MANAGEMENT

Riley Steven Tovornik

Milford, Ohio

FLIGHT SCIENCE

Abdulbasit Abdulsamad H. Tukruni

Mecca, Saudi Arabia

AVIATION MANAGEMENT

Holly A. Wilson

Arnold, Missouri

FLIGHT SCIENCE

cum laude

Nathan Alexander Wilson

Fenton, Missouri

FLIGHT SCIENCE

AEROSPACE ENGINEERING

Trevor J. Akers

Springfield, Illinois

magna cum laude

Diana Baimurzayeva

Almaty, Kazakhstan

Minasse Yasin Bakri

Chicago, Illinois

Christopher James Bale

Chatham, Illinois

Adis Beganovic

Saint Louis, Missouri

magna cum laude

Antonio Lorenzo Reyes Bunao

Saint Louis, Missouri

cum laude

Declan J. Byrne

Milwaukee, Wisconsin

University Honors Program

magna cum laude

Klaus Damasceno

Tampa, Florida

Scott Walter Elliott

Chesterfield, Missouri

Jordan Wesley Michael Harris

Saint Peters, Missouri

Wesley Michael Hawkins

West Frankfort, Illinois

cum laude

Hugo Holley

Montara, California

cum laude

Jarrett P. Irwin

Toledo, Ohio

Claire M. Jacobs

Riverside, Illinois

Che-Hsien Lin

Taipei, Taiwan

magna cum laude

Jeremy Ling

Saint Louis, Missouri

cum laude

Brett Daniel Morgan

Waunakee, Wisconsin

Nicholas Brian Morrow

Sacramento, California

Brendan Danial Muldoon

Saint Louis, Missouri

Tinevimbo Varaidzo Ndlovu

Harare, Zimbabwe

summa cum laude

Anthony Chukwuemeka Nwajei

Springfield, Illinois

Martin Edward O'Leary

Bloomington, Illinois

Elliott J. Platz

Chicago, Illinois

Justin Edward Pointer

O'Fallon, Missouri

Jeremiah W. Polander

Fountain, Colorado

Hunter Michael Pritzlaff

New Berlin, Wisconsin

magna cum laude

Micah A. Reichardt

New Baden, Illinois

magna cum laude

Ryne Sandler

Manchester, Missouri

summa cum laude

Jessica Dawn Smith

Saint Charles, Missouri

Tristan S. Stricklin

Marion, Illinois

cum laude

Patrick Jeremiah Sullivan

Westwood, Kansas

THE GRADUATES

Daniel Montes Tolón

Madrid, Spain

magna cum laude

Additional Major: Computer Engineering

Jack Joseph Wahl

Greenwood Village, Colorado

Adam A. Walker

Lexington, Kentucky

BIOMEDICAL ENGINEERING

Afrida Amira Atiar

Dhaka, Bangladesh

summa cum laude

Brady Lee Beggs

Dupo, Illinois

Kathleen Suzann Botterbush

Godfrey, Illinois

University Honors Program

summa cum laude

Kelly A. Campbell

Saint Louis, Missouri

magna cum laude

Joseph L. Capps

Chatham, Illinois

Courtney Ann Castle

O'Fallon, Missouri

cum laude

Kauyen Chen

Diamond Bar, California

summa cum laude

Michael Joseph Conlon

Springfield, Illinois

cum laude

Nicholas S. Corker

Wildwood, Missouri

cum laude

Emily Deng

Saint Charles, Missouri

Gabrielle Marie East

Castle Pines, Colorado

University Honors Program

magna cum laude

Serena Nalini-Solomon Eck

Cedar Rapids, Iowa

cum laude

Yichen Fang

Chico, California

University Honors Program

summa cum laude

Akbar Ali Fidahussain

Edwardsville, Illinois

summa cum laude

Connor Michael Freeman

Florissant, Missouri

University Honors Program

summa cum laude

Brooke Mercedes Hudson

Granite City, Illinois

University Honors Program

summa cum laude

Davis Schneider Johnston

Saint Louis, Missouri

Andie Michele Kaess

Bakersfield, California

cum laude

Yuktesh V. Kalidindi

Normal, Illinois

summa cum laude

Anjaneé Yvonne Nicole Kendall

Saint Louis, Missouri

William Lawrence Kinzewski

Rockford, Illinois

University Honors Program

cum laude

Luke Jared Kingsborough

Huntsville, Texas

magna cum laude

Gabriella Maria Kohring

Webster Groves, Missouri

Charles J. Krebs

Kansas City, Missouri

Kelly Maria Kulig

Millstadt, Illinois

magna cum laude

Ivonne Larrea

Bahía de Caráquez, Ecuador

cum laude

Michael Leontiev

Kiev, Ukraine

summa cum laude

Emily May Luc

Antioch, Illinois

University Honors Program

cum laude

Colleen Frances McLaughlin

Saint Louis, Missouri

magna cum laude

Ariana Y. Monma

Saint Charles, Illinois

Daniel Rojo Moreno

Overland, Missouri

Jahnavi Nadella

Plain City, Ohio

summa cum laude

Shabnam Nejat

Ballwin, Missouri

cum laude

Casey M. Nichols

Dubuque, Iowa

magna cum laude

Michael John Nickerson

Strongsville, Ohio
magna cum laude

Maria Magdalena Pereira Lopez

Madrid, Spain
summa cum laude

Carl Joseph Pickhardt

Sheboygan, Wisconsin

Gabriel William Prather

Saint Charles, Missouri

Elizabeth Grace Redle

Fairlawn, Ohio

Ingrid Lawton Rosko

Seaside, California
magna cum laude

Nachiketh Rotte

Normal, Illinois
cum laude

Jairo Roberto Saldanha Rodrigues

Ourininhos, Brazil

Deeksha Sarda

Ames, Iowa
University Honors Program
magna cum laude

Jaeden D. Sizemore

Maryville, Illinois
cum laude

Claire Nicole Tomaw

Baraboo, Wisconsin

Siyi Wang

Liuzhou, Guangxi, China
magna cum laude
Additional Major: Computer Science

Sherry Hope Wisdom

Saint Louis, Missouri

Patrick Yang

Taipei, Taiwan

CIVIL ENGINEERING

Abdulrahim Alhaji

Makkah, Saudi Arabia

Hana Baban

Saint Louis, Missouri
magna cum laude

Sophia D. Brouwer

Chicago, Illinois

Abigail Christine Cibulka

Grafton, Wisconsin
magna cum laude

Matthew Ryan DiValerio

Lake Bluff, Illinois

Julissa Gutierrez Gaona

Saint Louis, Missouri

Abigail Rebecca Grunenwald

Dayton, Ohio
summa cum laude

Gabrielle Margaret Kowalik

New Braunfels, Texas
cum laude

Adnan Malkoc

Saint Louis, Missouri

Katelyn M. Mannella

La Grange, Illinois

Danielle Marie Miller

River Falls, Wisconsin
magna cum laude

Warren David Radford

Potosi, Missouri
cum laude

Andrea Regina Ambal Silva

Dumont, New Jersey

James "Jimbo" Maurice Spriggs

Saint Louis, Missouri

Jonathan S. Stodola

Charleston, West Virginia
magna cum laude
Additional Major: Theological
Studies

Meghan Ruth Stukel

Naperville, Illinois

Madeline Zautner

West Bend, Wisconsin
University Honors Program
cum laude

COMPUTER ENGINEERING

Cecilia M. Besancenez

Saint Louis, Missouri
magna cum laude

Adam Andrew Blank

New Athens, Illinois

James Anthony David

Woodridge, Illinois
cum laude

Janssen Clarence Del Mundo Gamilla

Aurora, Illinois
summa cum laude

Brian M. Murphy

Chicago, Illinois

Aneesh Reddlapalli Venkatesh

Ballwin, Missouri
summa cum laude

Ian Sovar

Saint Louis, Missouri

Alexander Frank Wendl

Saint Louis, Missouri

ELECTRICAL ENGINEERING

Steven Paul Bentley

Springfield, Illinois
magna cum laude
Additional Major: Mathematics

THE GRADUATES

Spencer H. Buchanan

Estero, Florida

Colleen S. Corcoran

Elmhurst, Illinois

Aaron Liekhuis

Saint Louis, Missouri

Connor J. McCormac

Ballwin, Missouri

BIOELECTRONICS

Connor William Odum

Millstadt, Illinois

Adrian Ortiz

Chicago, Illinois

Rahul Rajeev Ravichandran

Ballwin, Missouri

BIOELECTRONICS

Vladimir Trifunovic

Saint Louis, Missouri

Caitlin M. Zoschke

Springfield, Illinois

magna cum laude

ENGINEERING PHYSICS

Matthew S. Brawner

Saint Louis, Missouri

BIOMEDICAL ENGINEERING

University Honors Program

summa cum laude

Additional Major: Music

Mathew Dave Co Chan

Quezon City, Philippines

COMPUTER ENGINEERING

summa cum laude

Additional Major: Mathematics

Eva Gierloff Romera

Madrid, Spain

COMPUTER ENGINEERING

MECHANICAL ENGINEERING

Jordan L. Barrett-Elder

Saint Louis, Missouri

José Emmanuel Acosta

Saint Louis, Missouri

Oluwatobi Temitope Georgette Akangbe

Memphis, Tennessee

Nooruldeen Altaie

Fenton, Missouri

Reagan Elizabeth Anspaugh

Austin, Texas

Ryan A. Bjerke

Dunstable, Massachusetts

Emerson Taylor Brazile

Saint Louis, Missouri

magna cum laude

John P. Carrow

Alton, Illinois

Daniel Cole de Prada

Madrid, Spain

Nishil Condoor

Fenton, Missouri

Joseph N. Cvelic

Valhalla, New York

Garret Niles Domash

Saint Louis, Missouri

cum laude

Natalie L. Egherman

Long Beach, California

Grace Flaherty

Barrington, Rhode Island

Elaina Marie Johnson

Breese, Illinois

summa cum laude

Salhar Shabbir Khan

Aurora, Illinois

Peter Francis Kickham

Saint Louis, Missouri

cum laude

Crystal Njeri Kimama

West Des Moines, Iowa

cum laude

Sarah Elizabeth Kirsch

Ballwin, Missouri

summa cum laude

Barrett B. Kurmann

Springfield, Illinois

Michael Fengyuanye Luan

Saint Louis, Missouri

Robert James McCormick

Alexandria, Virginia

Christopher John McDonald

Kings Park, New York

Timothy Joseph Metzger

Eureka, Missouri

summa cum laude

Chase Eil Niece

Kirkwood, Missouri

Zachary Preston Rogers

Chicago, Illinois

cum laude

Jason Richard Rohlfling

Plainfield, Illinois

Joseph Greco Schwartz

Saint Louis, Missouri

Robert S. Selby

O'Fallon, Missouri

Akash Sookun

Saint Louis, Missouri

Samuel Malik Taylor

Chicago, Illinois

Amber Marie Terlouw

Saint Louis, Missouri

Sean Patrick Walsh

Millstadt, Illinois

PHYSICS

Navnit Gopal

Saint Louis, Missouri

Samuel Henry Kramer

Waukesha, Wisconsin

University Honors Program

summa cum laude

Additional Major: Mathematics

Yuxuan Mao

Baotou, China

magna cum laude

Additional Major: Mathematics

Carmen Morera Labrador

Madrid, Spain

cum laude

Additional Major: Mathematics

Nikolaos Theodorou

Athens, Greece

magna cum laude

Additional major: Mathematics

Philipp Gabriel Vojta

Rolla, Missouri

magna cum laude

MASTER OF SCIENCE

AVIATION

Jonathan Martin

Burlington, Wisconsin

AVIATION SCIENCE

ENGINEERING

Madeline Andres

Springfield, Illinois

BIOMEDICAL ENGINEERING

Thesis Title: *A Technique for Controlled Anisotropy in Chitosan-Gelatin Cryogels for use in Bone Tissue Engineering*

Jeffrey Au

St. Louis, Missouri

BIOMEDICAL ENGINEERING

Thesis Title: *Optimization of Eccentric Electrical Stimulation Therapy for Volumetric Muscle Loss via Gene Expression*

Hana Baban

St. Louis, Missouri

CIVIL ENGINEERING

Thesis Title: *Measuring Full-Field Three-Dimensional Strains in Fiberglass Reinforced Polymer (FRP)*

William Nash Benson, Jr.

Memphis, Tennessee

AEROSPACE AND MECHANICAL ENGINEERING

Thesis Title: *Design and Testing of Expressive Gesturing to Expand the Social Connection Capabilities of Telerobots*

Hardik Bodara

Surat, Gujarat, India

AEROSPACE AND MECHANICAL ENGINEERING

Alyssa Marie Brown

St. Charles, Illinois

AEROSPACE AND MECHANICAL ENGINEERING

Samantha J Carlowicz

Cape Cod, Massachusetts

AEROSPACE AND MECHANICAL ENGINEERING

Thesis Title: *Development of a Guided-Interview Risk Assessment for Small Satellite Deployable Systems*

Elena Castiaux

St. Peters, Missouri

BIOMEDICAL ENGINEERING

Katelyn Elizabeth Caviness

Thornton, Colorado

BIOMEDICAL ENGINEERING

Thesis Title: *Fabrication and Characterization of Radiopaque Microspheres for Prostate Cancer Chemoembolization*

Hannah Michelle Chauvin

Fenton, Missouri

BIOMEDICAL ENGINEERING

Thesis Title: *The Effects of Electrically Stimulated Eccentric Contraction Training on Cellular Phenotype and Neuromuscular Junction Remodeling*

Kyle James DeProw

East Alton, Illinois

AEROSPACE AND MECHANICAL ENGINEERING

Marvin Echols III

St. Louis, Missouri

CIVIL ENGINEERING

Willie James Evans, IV

Cordova, Tennessee

AEROSPACE AND MECHANICAL ENGINEERING

AJ Fanselow

Huntley, Illinois

BIOMEDICAL ENGINEERING

Justin K. Fantroy

St. Louis, Missouri

AEROSPACE AND MECHANICAL ENGINEERING

Thesis Title: *Viability of Five-Hole Probe for Turbulence Scale Observation as Compared to Hot-Wire Anemometry*

Dhanashri Madan Gaikwad

Mumbai, India

BIOMEDICAL ENGINEERING

THE GRADUATES

Jeremy Glowacki

Chicago, Illinois

AEROSPACE AND MECHANICAL
ENGINEERING

Thesis Title: *Development of Testbed
Procedures for Aerodynamic Model
Measurements in the Parks College Low
Speed Wind Tunnel*

Jiajun Guo

Beijing, China

AEROSPACE AND MECHANICAL
ENGINEERING

Katie Huskey

Poplar Bluff, Missouri

BIOMEDICAL ENGINEERING

Ashrith Kommareddy

Vijayawada, India

AEROSPACE AND MECHANICAL
ENGINEERING

Austin Krohn

Dallas, Texas

BIOMEDICAL ENGINEERING

Thesis Title: *Incorporation of Charged
Peptide Ligands in RGD-Functionalized
PEG Cryogels to Enhance Collagen
Deposition in an Articular Cartilage
Tissue Engineering Approach*

Evan Thomas Landewee

Leopold, Missouri

CIVIL ENGINEERING

Jan Emily Santos Mangulabnan

West Chicago, Illinois

BIOMEDICAL ENGINEERING

Thesis Title: *Evaluation of Force-
Controlled Robotic System for
Echocardiogram Procedure*

Oscar Pachon

Denver, Colorado

AEROSPACE AND MECHANICAL
ENGINEERING

Thesis Title: *Experimental Investigation
of Nanosecond Laser Ablation of Carbon
Nanotubes*

Allison Paoli

Plainfield, Illinois

BIOMEDICAL ENGINEERING

Thesis Title: *Mesenchymal Stem
Cell Exosomes for Skeletal Muscle
Regeneration*

Haochen Rong

Shanghai, China

AEROSPACE AND MECHANICAL
ENGINEERING

Thesis Title: *Integrated Computational
Designs and Instrumental Characterization
for Pneumatic Head Rest and Variable
Stiffness Ankle Foot Orthosis*

Claire Schuessler

Maryville, Illinois

AEROSPACE AND MECHANICAL
ENGINEERING

Fei-Ru Sie

Taiwan

AEROSPACE AND MECHANICAL
ENGINEERING

Nicholas Sokolis

Waconia, Minnesota

CIVIL ENGINEERING

Thesis Title: *Investigation of Risk
Factors for Pedestrian-Vehicle Crash
Severity Outcomes using a Macroscopic
Zonal Approach*

Vishnu Vurumadla

Hyderabad, Telangana, India

AEROSPACE AND MECHANICAL
ENGINEERING

Charles D. West

St. Louis, Missouri

BIOMEDICAL ENGINEERING

Thesis Title: *Immunomodulatory
Biomaterials for the Treatment of
Musculoskeletal Trauma*

Henry Thomas Wright

Nashville, Tennessee

AEROSPACE AND MECHANICAL
ENGINEERING

Thesis Title: *The Design of an Online
System Identification Tool for Use in
Agile Unmanned Aerial Vehicles*

Mensur Koksalan Yalcinkaya

Nevesehir, Turkey

CIVIL ENGINEERING

Thesis Title: *Seismic Performance
Assessment of Prestressed Concrete
Girder Bridge*

Jacob Zlotopolski

St. Louis, Missouri

CIVIL ENGINEERING

Thesis Title: *Tap Water Lead Sampling
Protocol Tool*

DOCTOR OF PHILOSOPHY

AVIATION

Robert Louis Hudson

Palmetto, Florida

Dissertation Title: *Exploring Student
Pilot Perceptions about their Experiences
Using Mental Imagery Training
Strategies During their Flight Training
Program*

Timothy D. Ropp

Lafayette, Indiana

Dissertation Title: *Assessing Resilience
Competencies in Aviation and Aerospace
Students*

Daniel Heng Siao

Taipei, Taiwan

Dissertation Title: *Exploring Collegiate
Flight and Maintenance Training
Students' Perceptions of Safety Culture*

ENGINEERING

Abigail Avila

Chicago, Illinois

BIOMEDICAL ENGINEERING

Dissertation Title: *Alginate Hydrogels as Platform Bone Spacers for Masquelet's Induced Membrane Technique*

Joseph Bruns

Cincinnati, Ohio

BIOMEDICAL ENGINEERING

Dissertation Title: *Effect of Matrix Presence and Properties on Glioblastoma Cell Response to Chemotherapeutics*

Mohammad Mahfuzur Rahman

Dhaka, Bangladesh

CIVIL ENGINEERING

Dissertation Title: *Investigation of Bridge Deck Shrinkage Cracking Using Expansive Cement and Internal Curing*

Osama Ali Mohammed

St. Louis, Missouri

CIVIL ENGINEERING

Dissertation Title: *Machine Learning Approach to Proactive Crash Management at Freeway Systems for Smart Cities*

Susheera Sessa Pochiraju

Vizag, India

CIVIL ENGINEERING

Dissertation Title: *A Study on Occurrence and Treatment of 18 Taste and Odor Compounds in Drinking Water Utilities*

Anthony Vicini

St. Louis, Missouri

BIOMEDICAL ENGINEERING

Dissertation Title: *Use of Ultrasound Coupled Motion Capture Markers to Determine Scapular Position*

Natalia Ziemkiewicz

Chicago, Illinois

BIOMEDICAL ENGINEERING

Dissertation Title: *The Effects of Laminin-111 Enriched Fibrin Hydrogels and Electrical Stimulation Therapy for the Treatment of Volumetric Muscle Loss*

Graduation honors for candidates appearing in this book are calculated based on the Grade Point Average at the end of the Fall semester.

University honors will be officially calculated when final grades have been submitted and the degrees are conferred.

This program is not an official document.

HONORS AND AWARDS

ALPHA SIGMA NU

Steven Paul Bentley
Kathleen Suzann Botterbush
Connor Michael Freeman
Tristan S. Stricklin

GRAND CHALLENGES SCHOLARS

Kathleen S. Botterbush
Garret Domash
Andie Kaess
Peter Kickham
Robert McCormick
Zachary P. Rogers

TAU BETA PI

Trevor J. Akers
Steven Paul Bentley
Kathleen Suzann Botterbush
Emerson Taylor Brazile
Mathew Dave Co Chan
Kauyen Chen

Gabrielle Marie East

Yichen Fang
Akbar Ali Fidahussain
Connor Michael Freeman
Janssen Clarence Del Mundo
Gamilla
Abigail Rebecca Grunenwald
Brooke Mercedes Hudson
Elaina Marie Johnson
Kelly Maria Kulig
Michael Leontiev
Che-Hsien Lin
Danielle Marie Miller
Tinevimbo Varaidzo Ndlovu
Casey M. Nichols
Maria Magdalena Pereira Lopez
Aneesh Reddlapalli Venkatesh
Ingrid Lawton Rosko
Deeksha Sarda
Siyi Wang
Caitlin M. Zoschke

PATRICK P. LEE SCHOLARS

Trevor J. Akers
Steven Paul Bentley
Kathleen Suzann Botterbush
Scott Walter Elliott
Connor Michael Freeman
Ingrid Lawton Rosko
Jonathan S. Stodola
Meghan Ruth Stukel
Claire Nicole Tomaw
Madeline Zautner

OLIVER L. PARKS

Grace Marie Kane

OUTSTANDING GRADUATE FACULTY

Koyal Garg, Ph.D.

OUTSTANDING GRADUATE STUDENTS

Jeffrey Au
Samuel Stealey



**SAINT LOUIS
UNIVERSITY™**

— EST. 1818 —

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