

NC STATE UNIVERSITY



EDWARD P. FITTS DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING



FALL COMMENCEMENT CEREMONY

DECEMBER 19, 2018 | 2 PM

BROOKS AVENUE CHURCH OF CHRIST

700 BROOKS AVENUE | RALEIGH, NC 27607

*Have family and friends who couldn't attend? Watch
the ceremony live at go.ncsu.edu/ISEGraduation*

WELCOME

Dr. Kanton Reynolds
Teaching Associate Professor and Director of Undergraduate Programs

INTRODUCTION OF FACULTY AND STAFF

Dr. Julie Swann
Edgar S. Woolard Distinguished Professor and Department Head

COMMENCEMENT ADDRESS

Dr. Binil Starly
Professor and 2018 C.A. Anderson Outstanding Faculty Award Winner

AWARDING OF DIPLOMAS

Dr. Julie Swann
Dr. Michael Kay
Dr. Kanton Reynolds

*You are cordially invited to a reception in the Fellowship
Hall at the conclusion of this program.*

FACULTY

Mahmoud A. Ayoub	Timothy J. Horn	Osman Y. Ozaltin	Javad Taheri
Richard H. Bernhard	Julie S. Ivy	Richard G. Pearson	Reha Uzsoy
Karen B. Chen	Michael G. Kay	Kanton Reynolds	Hong Wan
Paul H. Cohen	Russell E. King	Stephen D. Roberts	Harvey West II
C. Thomas Culbreth	Yuan-Shin Lee	Christopher D. Rock	James R. Wilson
Jingyan Dong	Yunan Liu	Ezat T. Sanii	Richard A. Wysk
Shu-Cherng Fang	Jason C. Low	Sara Shashaani	Xu Xu
Xiaolei Fang	Louis Martin-Vega, Dean	Rohan A. Shirwaiker	Robert E. Young
Yahya Fathi	Maria E. Mayorga	Clarence L. Smith	
Ola L. A. Harrysson	Chang S. Nam	Binil Starly	
Thom J. Hodgson	Henry L. W. Nuttle	Julie L. Swann	

STAFF

Debbie Allgood-Staton	Robert Lasson	Amy Roosje	Heather White
Steven Bigelow	Daniel Leonard	Linda Smith	Dawn Wilkins
Wendy Blue	Tim McGlothlin	Danita Taylor	Chet Wyrick
Gary Downey	Stephen McNierney	Nataliya Vanchosovych	
Jeffrey Hoyle	Mirtha Perazza	Mike Walsh	
Justin Lancaster	Christina Pucci	Karen Welton	

DOCTOR OF PHILOSOPHY IN INDUSTRIAL ENGINEERING

KATIE L. BASINGER

Dissertation: Mechanically Stimulating Tissue in vitro: A Case Study of Split Thickness Porcine Skin

Advisors: Dr. Richard Wysk and Dr. Ola Harrysson

YIWEI HAN

Dissertation: High-Resolution Electrohydrodynamic (EHD) 3D Printing of Function Materials

Advisor: Dr. Jingyan Dong

SHADI HASSANI GOODARZI

Dissertation: Modeling Ductal Carcinoma in Situ Management

Advisor: Dr. Julie Ivy

PEDRO HUEBNER

Dissertation: 3D-Bioprinted Scaffold for Autograft Substitution in Osteochondral Plug Transfer Approaches: Design and Process Characterization

Advisor: Dr. Rohan Shirwaiker

RACHEL MARIE TOWNSLEY

Dissertation: An Examination of Individual Sequential Behavior Modeling in the Context of Healthcare Simulation

Advisor: Dr. Maria Mayorga

IMAN VASHEGHANI FARAHANI

Dissertation: Time Series Motifs in Practice

Advisors: Dr. Michael Kay and Dr. Russell King

CAROLINE E. WEBSTER

Dissertation: Research in Support of the Design of a Hemiarthroplasty for Osteosarcoma of the Distal Radius in a Veterinary Model

Advisors: Dr. Ola Harrysson and Dr. Denis Marcellin

MELISSA MAE WHITE

Dissertation: Biomechanical Implications of Duty Belt Use by Police Officers

Advisors: Dr. David Kaber and Dr. Xu Xu

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

CHRISTOPHER JAMES KELLY

Thesis: Automatic Feature Based Inspection and Qualification for Additively Manufactured Parts with Critical Tolerances

Advisors: Dr. Richard Wysk and Dr. Ola Harrysson

GIMANTHA NAHIL PERERA

Thesis: Checklists in Healthcare: Operational Improvement of Standards using Safety Engineering (Project CHOISSE) - Early Phase Analysis and Results

Advisor: Dr. Julie Ivy

JAMES DANIEL SHIRLEY

Thesis: Effects of Dynamic Automation Function Allocations on Operator Situation Awareness and Cognitive Workload in UAV Control

Advisors: Dr. David Kaber

MASTER OF INDUSTRIAL ENGINEERING

YIMO HO

Advisor: Dr. Michael G. Kay

PEI YU HOU

Advisor: Dr. Xu Xu

CARLOS LECA

Advisor: Dr. Michael G. Kay

NEHA MAHADAS

Advisor: Dr. Yahya Fathi

KARTHIK MARNENI

Advisor: Dr. Michael G. Kay

AKSHAY SHRIPAL NARADE

Advisor: Dr. Michael G. Kay

JUAN OREJEL OREJEL

Advisor: Dr. Yahya Fathi

PRANAV PALLOD

Advisor: Dr. Yahya Fathi

VALERIA SOTO MARQUEZ

Advisor: Dr. Michael G. Kay

RISHABH SUNDARESWARAN

Advisor: Dr. Dr. Yahya Fathi

XIAOJUN ZHANG

Advisor: Dr. Michael G. Kay

DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH

MARIA CATHERINE JANSEN

Dissertation: Mathematical Models for Influenza Vaccine Production and Distribution

Advisors: Dr. Osman Ozaltin

XIUQI LI

Dissertation: Bayesian Classification and Change Point Detection for Functional Data

Advisor: Dr. Subhashis Ghoshal

MASTER OF OPERATIONS RESEARCH

SAMAN ASVADI

Advisor: Dr. Michael G. Kay

NEHA PATANKAR

Advisor: Dr. Michael G. Kay

SANKET JATIN SHETH

Advisor: Dr. Michael G. Kay

SOHAM SANJAY JOSHI

Advisor: Dr. Michael G. Kay

SWAPNIL PILLAI

Advisor: Dr. Michael G. Kay

SHRADHA

Advisor: Dr. Michael G. Kay

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

TREVOR BRYANT

RODRIGO CABRERA

BRIAN CHEN

AJ COLE III

ADAM DORR

WILL DULEY

SHADIA SHATANA SAVINA GARRISON

NATHAN HILBRANDS

MATTHEW HUTMACHER

ROLLIN JENKINS

KURTIS KONRAD

SAMANTHA LABERTEW

TANYA LAGUNAS-M

MAHLON MATTHEWS

MALLORY MEISSNER

MICHELLE NACLERIO

RACHEL NAGLEY

SPAIN NIEMER

JESSICA NOLTING

LUKE OLIVER

MIKAYLA LYNNE SLOMSKI

OWEN SPANGLER

STEPHANIE STUGG

JIANAN TANG

MATTHEW WHITE

UNDERGRADUATE DEGREE HONOR DESIGNATIONS

CUM LAUDE - GPA 3.25 - 3.499
White Sash

MAGNA CUM LAUDE - GPA 3.5 - 3.749
Silver Sash

SUMMA CUM LAUDE - GPA 3.75 +
Gold Sash

*You are cordially invited to a reception in the Fellowship
Hall at the conclusion of this program.*