

NC STATE UNIVERSITY



EDWARD P. FITTS DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING



FALL COMMENCEMENT CEREMONY

DECEMBER 14, 2021 | 2 PM

McKIMMON CENTER

1101 GORMAN STREET | RALEIGH, NC 27606

*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
A. Doug Allison Distinguished Professor and Department Head

COMMENCEMENT ADDRESS

Dr. Xu Xu
Assistant Professor

AWARDING OF DIPLOMAS

Dr. Julie Swann
Dr. Russell King
Dr. Kanton Reynolds

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

FACULTY

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

STAFF

Julia Abate	Will Heath	Jasmine Petway	Mike Walsh
Debbie Allgood-Staton	Jeffrey Hoyle	Christina Pucci	Karen Welton
Kiri Brown	Justin Lancaster	Linda Smith	Heather White
Timothy Coleman	Robert Lasson	Danita Taylor	Dawn Wilkins
Wendy Coleman-Blue	Stephen McNierney	Bailey Ulm	Chet Wyrick
Gary Downey	Mirtha Perazza	Nataliya Vanchosovych	

DOCTOR OF PHILOSOPHY IN INDUSTRIAL ENGINEERING

SEUNGWON BAIK

Dissertation: Optimal Component Layout for Minimal Vulnerability of Weapon Systems

Advisor: Dr. Shu-Cherng Fang

RAHMAN KHORRAMFAR

Dissertation: Computational Optimization for Hierarchical Decision Making Problems

Advisor: Dr. Osman Ozaltin

SAREH MESHKINFAM

Dissertation: Large Scale Longitudinal Data Analytics for Educational and Clinical Decision Making

Advisors: Drs. Julie Ivy and Amy Reamer

KARL SCHUCHARD

Dissertation: Computational and Experimental Characterization of 3D-Melt blowing Process-Structure-Function Interrelationships for Tissue Engineering

Advisor: Dr. Rohan Shirwaiker

BREANNA SWAN

Dissertation: Improving Patient Outcomes through Data Driven Medical Decision Making

Advisors: Drs. Julie Ivy and Maria Mayorga

SAJJAD TAGHIYEH

Dissertation: Time Series Forecasting Using Machine Learning: Development and Extensions

Advisor: Dr. Robert Handfield

PRITHWISH TARAFDER

Dissertation: Characterization of Mechanical Properties and Evaluation of Methods for Grain Control of Copper Fabricated Using EB-PBF Process

Advisors: Drs. Timothy Horn and Russell King

HOSSEIN TOHIDI

Dissertation: Expert Systems For Decision Making in Multistage Healthcare Problems

Advisor: Dr. Osman Ozaltin

MANISH TRIPATHY

Dissertation: Optimal Strategies in Platform Economies: Applications to On-Demand Ride Hailing Service, Logistics, and Spectrum Sub-Leasing

Advisors: Drs. Hans Heese and Michael Kay

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

CLAUDIA ALVARADO ESPINO

Thesis: Supply Chain Considerations and Analysis of Engineered Tissue Production Systems

Advisor: Dr. Rohan Shirwaiker

LETAI DOUDNIKOFF

Thesis: Trade-offs of Additive Manufacturing in an Isolated Military Sustainment Network

Advisor: Dr. Brandon M. McConnell

JEONG JAHOO

Thesis: Data-Driven Condition Monitoring and Defect Detection in Electron-Beam Additive Manufacturing

Advisor: Dr. Xiaolei Fang

SHRIKANTHMURALIDHAR YADAV

Thesis: Mixture Models to Understand Help-Seeking Behavior in U.S. Youth Before and During COVID-19

Advisor: Dr. Julie Ivy

MASTER OF INDUSTRIAL ENGINEERING

ALEX BENCOE

Advisor: Dr. Sebnem Ahiska King

ELIJAH CAMPBELL

Advisor: Dr. Michael Kay

SUJITH GUNDALA

Advisor: Dr. Michael Kay

UKESHKUMAR HARISRINIVASAN

Advisor: Dr. Sebnem Ahiska King

AMAN KUMAR

Advisor: Dr. Binil Starly

SPENCER MATTHEWS

Advisor: Dr. Sebnem Ahiska King

AMIRREZA SAHEBIFAKHRABAD

Advisor: Dr. Xiaolei Fang

HET SHAH

Advisor: Dr. Michael Kay

SHOHANUZZAMAN SHOHAN

Advisor: Dr. Rohan Shirwaiker

EKIN YALVAC

Advisor: Dr. Michael Kay

KOUSHIK REDDY VANGA

Advisor: Dr. Michael Kay

DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH

MARGARET HAUSER

Dissertation: On Adopting Additive Manufacturing for the Mass Customization of Orthopedic Implants

Advisors: Drs. Russell King and Richard Wysk

AMIR MIRHELI

Dissertation: Network Design and Dynamic Electric Vehicle Charging Management with User Equilibrium Decisions

Advisor: Dr. Leila Hajibabai

MASTER OF OPERATIONS RESEARCH

DANIKA DORRIS

Advisor: Dr. Julie Ivy

MASTER OF ENGINEERING MANAGEMENT

MELISSA PRESSLEY

Advisor: Dr. Julie Ivy

BRYAN TOTON

Advisor: Dr. Julie Ivy

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

GEORGIA BURGESS

ISAAC CALDWELL

CHRIS CARUSO

NICOLE COLBERG

DANIEL GIGLIOTTI

BRAYDEN GISLER

GEORGE HAIRE

JACOB HERRING

LINDSAY KELLY

DREW KETH

MADI LANG

KATIE LAWSON

KYLE MARGESON

CONRAD MCCOY

CASEY OLSON

FRANCISCO ORTIZ

RYAN PECAUT

ELIJAH PRESNELL

KARAN SAGI

GREGORY SEELING

RITHIKA SHIVKUMAR

CHASE STEWART

ERIC SWANSON

LIYA THOMAS

MENGYANG WEI

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
at the conclusion of this program.*