

NC STATE UNIVERSITY



EDWARD P. FITTS DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING



SPRING COMMENCEMENT CEREMONY

6:00 PM • MAY 15, 2021

Watch the ceremony with family and friends, join the fun and give your favorite graduate a SHOUT OUT on ISE's live chat!

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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

Edward P. Fltts
BSIE 1961 and ISE Distinguished Alumnus 2006

WELL WISHES

ISE/OR Faculty and Staff

AWARDING OF DIPLOMAS

Dr. Yahya Fathi
Dr. Michael Kay
Dr. Kanton Reynolds

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

DOCTOR OF PHILOSOPHY IN INDUSTRIAL ENGINEERING

RAMIN AHMED

Dissertation: Optimizing Logistics and Supply Chain Designs through the Integration of New Technologies

Advisors: Dr. Michael G. Kay

YANG CAO

Dissertation: Fabrication, Control, and Applications of Programmable Soft Electrothermal Actuators

Advisor: Dr. Jingyan Dong

MAHMUD HASAN

Dissertation: Study of Decentralized Cloud Manufacturing Platforms Powered by Blockchains and Deep Learning

Advisor: Dr. Binil Starly

CHRISTOPHER LEDFORD

Dissertation: Development of Processing Techniques for the Fabrication of Pure Copper Components Utilizing EB-PBF

Advisor: Dr. Timothy Horn

LI LI

Dissertation: Automated Ergonomics Assessment through Computer Vision and Machine Learning

Advisor: Dr. Xu Xu

DEEPAK PAHWA

Dissertation: Decentralized Decision Making in Manufacturing-as-a-Service Marketplaces

Advisor: Dr. Binil Starly

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

MATTHEW HUTMACHER

Thesis: Effect of Levels of Automation and Vehicle Control Format on Driver Performance and Attention Allocations

Advisor: Dr. Xu Xu

CARLAN IVEY

Thesis: Identifying Best Performance Scenarios for Micro Nuclear Reactors during Grid Disruption

Advisor: Dr. Brandon M. McConnell

BRANDON LAWRENCE

Thesis: US Army Performance Analytics in Deployed and Training Environments

Advisor: Dr. Brandon M. McConnell

MASTER OF INDUSTRIAL ENGINEERING

PRAVESH AGRAWAL

Advisor: Dr. Michael G. Kay

SUSANNAH ARONSON

Advisor: Dr. Julie Ivy

PAYAL SUDHA UMASHANKAR

ASHTANKAR

Advisor: Dr. Michael G. Kay

SOYEB AZIZ

Advisor: Dr. Michael G. Kay

SANDIPAN BANERJEE

Advisor: Dr. Michael G. Kay

MONIKA BHATI

Advisor: Dr. Yahya Fathi

PIYUSH BABASO BIRAJE

Advisor: Dr. Michael G. Kay

GABRIELLA BRENMAN

Advisor: Dr. Michael G. Kay

TYLER CONRAD

Advisor: Dr. Michael G. Kay

VIVEK KISHINCHAND DASWANI

Advisor: Dr. Michael G. Kay

RADHIKA DILIP DATE

Advisor: Dr. Michael G. Kay

MONISH DEVARAPEDDA

Advisor: Dr. Michael G. Kay

PRERAK DOSI

Advisor: Dr. Michael G. Kay

DRISHYA GIRI

Advisor: Dr. Xiaolei Fang

SASIDHAR GOLLAMUDI VENKATA

Advisor: Dr. Michael G. Kay

SUJITH KUMAR GUNDALA

Advisor: Dr. Michael G. Kay

CALEB HEIMSOOTH

Advisor: Dr. Michael G. Kay

WEN-YEN HSIEH

Advisor: Dr. Michael G. Kay

KEVIN HUANG ZHU

Advisor: Dr. Michael G. Kay

SWARUPA INAMDAR

Advisor: Dr. Michael G. Kay

HARSHIT JAIN

Advisor: Dr. Michael G. Kay

RAHUL JAISWAL

Advisor: Dr. Michael G. Kay

ARUSHI JAN

Advisor: Dr. Michael G. Kay

ANTONY JOSE

Advisor: Dr. Michael G. Kay

PARTH SATISH JOSHI

Advisor: Dr. Michael G. Kay

BRANDON LIN

Advisor: Dr. Michael G. Kay

LIZHAO LIN

Advisor: Dr. Michael G. Kay

AJAY PRASATH MANOHARAN

Advisor: Dr. Michael G. Kay

CHADWICK MCCLURE

Advisor: Dr. Michael G. Kay

DEVAVRAT MUJUMDAR

Advisor: Dr. Michael G. Kay

PARTH NITIN MUJUMDAR

Advisor: Dr. Michael G. Kay

SARTHAK NEGI

Advisor: Dr. Michael G. Kay

PRANIT CHANDRASHEKHAR NIKUDE

Advisor: Dr. Michael G. Kay

GURLEEN SINGH OBEROI

Advisor: Dr. Michael G. Kay

NAVEEN PALLI

Advisor: Dr. Michael G. Kay

ANMOL RATNA PANT

Advisor: Dr. Michael G. Kay

HANNAH BRADLEY PAPES

Advisor: Dr. Michael G. Kay

KIRTAN PATEL

Advisor: Dr. Michael G. Kay

SIDDHANT PATEL

Advisor: Dr. Michael G. Kay

MAYUR MAHENDRA PATIL

Advisor: Dr. Michael G. Kay

ELWIN PINTO

Advisor: Dr. Michael G. Kay

SRIKANT PUTREVV

Advisor: Dr. Michael G. Kay

PRASAD MAHENDRA RAJPUT

Advisor: Dr. Michael G. Kay

SAKSHI SAKSHI

Advisor: Dr. Michael G. Kay

NATHAN SANDERS

Advisor: Dr. Karen B. Chen

KARAN SANGAJ

Advisor: Dr. Michael G. Kay

JIMIT SHAH

Advisor: Dr. Michael G. Kay

NIHEER PARESH SHAH

Advisor: Dr. Michael G. Kay

MASTER OF INDUSTRIAL ENGINEERING

SAURABH SHINDE

Advisor: Dr. Michael G. Kay

ARUSHI SHUKLA

Advisor: Dr. Michael G. Kay

ISHA SINGH

Advisor: Dr. Michael G. Kay

KUSHAGRA SINHA

Advisor: Dr. Michael G. Kay

GANESHAN SUBRAMANIAN

Advisor: Dr. Michael G. Kay

ADITYA SURVE

Advisor: Dr. Michael G. Kay

KOUSHIK REDDY VANGA

Advisor: Dr. Michael G. Kay

ADITYA BHAGWAN VHANMANE

Advisor: Dr. Michael G. Kay

LEKHANA YENNAM

Advisor: Dr. Michael G. Kay

DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH

MATTHEW FLETCHER

Dissertation: Cost Conscious Multi-Objective Optimization of US Army Officer Assignments

Advisors: Dr. Russell King and Dr. Brandon McConnell

WENLONG HU

Dissertation: A Comprehensive Study of Guaranteed Minimum Maturity Benefit and Guaranteed Minimum Death Benefit under Regime-switching Models

Advisor: Dr. Tao Pang

MASTER OF OPERATIONS RESEARCH

ASYA ATIK

Advisor: Dr. Michael G. Kay

SHREYAS BADANIDYOOR

Advisor: Dr. Michael G. Kay

MATTHEW GOOD

Advisor: Dr. Michael G. Kay

SANCHIT GUPTA

Advisor: Dr. Michael G. Kay

YUNSOO HA

Advisor: Dr. Sara Shashaani

GREGORY HAUSER

Advisor: Dr. Michael G. Kay

BARRON MOFFITT

Advisor: Dr. Brandon McConnell

SOHAM MUDALGIKAR

Advisor: Dr. Michael G. Kay

SAI SHASHANK NAYABU

Advisor: Dr. Michael G. Kay

LARS SANDVOLL

Advisor: Dr. Michael G. Kay

SAUMYA SHARMA

Advisor: Dr. Michael G. Kay

JOHN WATSON

Advisor: Dr. Michael G. Kay

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

SIDNEY ALLEN

AHMAD AWAMLEH

WARREN BABB

CAROLINE BALDAUFF

JESSICA BERLIN

MAKS BEZRUCHKO

ALISSA BOGGS

TROY BOWMAN

BEN BOYD

LIZ BREWER

RACHEL BRICKER

BRANDON CANFIELD

JAKE CASTELINO

DANIEL COCKSON

EMILY COOKE

RAHUL DHAWAN

SOHIL DOSHI

DENNIS ESTEVEZ

RANA FARAWI

CONNIE FEINBERG

RACHEL FIGARD

TESS GARRISON

SARAH GERKIN

NIKKI GORRELL

JOHN HALASZ

CARLOS HERNÁNDEZ

ROSS HILLMAN

MADELEINE HIRIAK

JACKSON HOLT

SALAM IBRAHIM

MATTHEW IZZO

HARRISON JOHNSON

ABIGAIL JORDAN

GRANT JORDAN

TIGER KAOVILAI

HANNAH KOSZEGI

DAVID LABRADOR

MADELEINE LAGARDE

KRISTINA LARKIN

KATJA MANSDOERFER

ANNEMARIE MARSHALL

ANDREW MARTIN

JOSEPH MCCONNELL

MATTHEW MCGOVERN

MATTHEW MCMILLAN

KATE MOORE

MADDIE MORELLO

JOSEPH MURNICK

SAMANTHA NAGLE

JAKE PANLILIO

CONNOR PATTERSON

CHRIS PENNELLA

JULIA PETERS

JACKSON PROCTOR

NICOLE QUESINBERRY

STEVEN REHARD

KAITLYN ROBERTS

BECCA ROWEN

DAVID ROWLAND

TOOFAN SALAHUDDIN

GREGORY SEELING *

RUPEN SINGER

KARL SOLIMAN

RACHEL SYKES

ANTHONY SZAFRANSKI

ASHLEY TILLEY

GABRIELLE TONSAY

DAVID TROMBLEY

CHRISTINE WILKINS

JESSICA WILLIAMS

RYAN WINZ

NATHAN WOELFEL

TINA YANG *

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* Summer Session 1

** Summer Session 2