FALL COMMENCEMENT CEREMONY

2:00 P.M. - DECEMBER 18, 2015

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/ISEFallGraduation2015.
WELCOME
Dr. Anita R. Vila-Parrish
Director of Undergraduate Programs

INTRODUCTION OF FACULTY AND STAFF
Dr. Paul H. Cohen
Edgar S. Woolard Distinguished Professor and Department Head

COMMENCEMENT ADDRESS
Stephen D. Roberts
A. Doug Allison Distinguished Professor

AWARDING OF DIPLOMAS
Dr. Paul H. Cohen
Dr. Yahya Fathi
Dr. Anita R. Vila-Parrish

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

FACULTY

Mahmoud A. Ayoub
Richard H. Bernhard
Paul H. Cohen
C. Thomas Culbreth
Jingyan Dong
Salah E. Elmaghraby
Shu-Cherng Fang
Yahya Fathi
Ola L. A. Harrysson
Thom J. Hodgson
Tim Horn
Julie S. Ivy
David B. Kaber
Michael G. Kay
Russell E. King
Yuan-Shin Lee
Yunan Liu
Jason Low
Louis Martin-Vega, Dean
Maria E. Mayorga
Chang S. Nam
Henry L. W. Nuttle
Osman Y. Ozaltin
Stephen D. Roberts
Ezat T. Sani
Rohan Shirwaiker
Clarence L. Smith
Binil Starly
Javad Taheri
Reha Uzsoy
Anita R. Vila-Parrish
Harvey West II
James R. Wilson
Richard A. Wysk
Robert E. Young

STAFF

Debbie Allgood-Staton
Cecilia Chen
Jeffrey Hoyle
William Irwin
Justin Lancaster
Robert Lasson
Daniel Leonard
Tim McGlothlin
Stephen McNierney
Mirtha Perazza
Linda Smith
Jon Starritt
Hakan Sungur
Danita Taylor
Steve Walker
Mike Walsh
Heather White
Dawn Wilkins
DOCTOR OF PHILOSOPHY IN INDUSTRIAL ENGINEERING

PO-CHEN LIN
Dissertation: Managing Release Changes in Rolling Horizon Production Planning
Advisor: Dr. Reha Uzsoy

CARL PANKOK
Dissertation: A Knowledge and Data-Driven Integrated Measure of Display Clutter with Attention Allocation Factor
Advisor: Dr. David B. Kaber

XIAOFENG QIN
Dissertation: Deep Insertion of Long Slender Needle into Deformable Tissue and the Application for Prostate Brachytherapy
Advisor: Dr. Yuan-Shin Lee

IREM SENGUL ORGUT
Dissertation: Modeling for the Equitable and Effective Distribution of Food Donations under Capacity Constraints
Advisors: Dr. Julie S. Ivy and Dr. Reha Uzsoy

ZHUO TAN
Dissertation: An Antimicrobial Dual-metal Implant System Activated by Low Intensity Direct Current
Advisor: Dr. Rohan Shirwaiker

DANIEL UNDERWOOD
Dissertation: Simulation Optimization of PSA-Based Prostate Cancer Screening
Advisors: Dr. Brian Denton and Dr. James R. Wilson

ZITENG WANG
Dissertation: Newsvendor Games with Limited Supply
Advisor: Dr. Shu-Cherng Fang

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

HEBA ALY
Thesis: Bayesian Closed Point of Dispensing Planning Model
Advisor: Dr. Julie S. Ivy

SWAPNIL LANDGE
Thesis: Employing Simulation Modeling in Lean Six Sigma Methodology
Advisors: Dr. Jeffrey Joines and Dr. Stephen D. Roberts

MIN HYOUNG PARK
Thesis: A Research of the Republic of Korea Army Barracks Layout Design to Minimize the Maximum Egress Times Using Evacuation Planning Program (EVACNET)
Advisor: Dr. Thom J. Hodgson

ABHISHEK PATIL
Thesis: Force Predictive Model in Finish Machining of Additive Manufactured Ti6Al4V
Advisors: Dr. Ola L. A. Harrysson and Dr. Richard A. Wysk

WENJUAN ZHANG
Thesis: Validation of a Virtual-Reality Based Psychomotor Test Using Physiological and Workload Measures
Advisor: Dr. David B. Kaber

MASTER OF INDUSTRIAL ENGINEERING

QI AN
Advisor: Dr. Shu-Cherng Fang

PEDRO HUEBNER DOS REIS
Advisor: Dr. Rohan Shirwaiker

SALIL KULKARNI
Advisor: Dr. Yahya Fathi

ARUN KUMAR
Advisor: Dr. Binil Starly

YI FAN LIAO
Advisor: Dr. Michael G. Kay

OSVALDO LOBOS PINCHEIRA
Advisor: Dr. Michael G. Kay

JOSHUA JOSEPH MCCORMICK
Advisor: Dr. Julie S. Ivy

DHEERAJ KUMAR METTLA
Advisor: Dr. Yuan-Shin Lee

MANOJITH RAM MOHANDASS
Advisor: Dr. Robert E. Young

ARJUN KALADHARAN NAIR
Advisor: Dr. Michael G. Kay

CHANG HUA PAN
Advisor: Dr. Shu-Cherng Fang

SALIL RAVINDRA RANADE
Advisor: Dr. Yahya Fathi

MONA SAFFARZADEH
Advisor: Dr. Ola L. A. Harrysson

KOUSTHUB SAMBATH
Advisor: Dr. Robert E. Young

BHARATH SARVASETTY
Advisor: Dr. Yahya Fathi

SAURABH VASUDEVA SHETTY
Advisor: Dr. Reha Uzsoy

JEWUAN WILLIAMS
Advisor: Dr. Michael G. Kay
DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH

TESHOME M. BALKEW
  Dissertation: Dynamic Programming Method for Impulsive Control Problems
  Advisor: Dr. Negash G. Medhin

DAVID A. CORNEJO
  Dissertation: Simulating Individual Choice in Colorectal Cancer Screening
  Advisors: Dr. Stephen Roberts and Dr. Maria Mayorga

GI YOUNG KIM
  Dissertation: Automated Image Intelligence Adaptive Sensor Management System for High Altitude Long Endurance UAVs in a Dynamic and Anti-Access Area Denial Environment
  Advisors: Dr. Thom J. Hodgson and Dr. Russell E. King

LE LI
  Dissertation: Numerical Studies for CVA with DWR and Portfolio Optimization with Mixed Normal Distribution
  Advisors: Dr. Tao Pang and Dr. Wei Chen

BENJAMIN A. PERRYMAN
  Dissertation: Subsequence-Based Time Series Clustering Utilizing Stochastic Selection Methods
  Advisor: Dr. Peter Bloomfield

SAHAR TALEBI
  Dissertation: On Routing and Spectrum Assignment in Elastic Optical Networks
  Advisors: Dr. Georgios Rouskas and Dr. Rudra Dutta

MASTER OF SCIENCE IN OPERATIONS RESEARCH

EVANGELOS DENAXAS
  Thesis: Decomposition of the Stochastic Market Clearing Problem with Lagrangian Relaxation
  Advisors: Dr. Michael G. Kay and Dr. Negash G. Medhin

MASTER OF OPERATIONS RESEARCH

RAVI ANAND
  Advisor: Dr. Michael G. Kay

GUDUGUNTLA VAMSHI
  Advisor: Dr. Michael G. Kay

KYLE HOVEY
  Advisor: Dr. Michael G. Kay

QIRUN LIU
  Advisor: Dr. Michael G. Kay

AMANDA MIDDLETON
  Advisor: Dr. Michael G. Kay

DANIEL ROLANDO
  Advisor: Dr. Michael G. Kay

DANNI SUN
  Advisor: Dr. Negash G. Medhin

SHANJANA VAKEESWARAN
  Advisor: Dr. Michael G. Kay

WESLEY WINKELMAN
  Advisor: Dr. Michael G. Kay

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

MATTHEW E. BILLINGS

ZACHARY E. BOUREN

SETH K. BRYAN

WILLIAM J. BURTON

LEANDER A. CHRISTIAN *

CHARLES K. COPELAND

TAOUFIK FALSY

RACHEL M. GIBSON

AMELIA K. HARDEE

DANIEL S. KING

ISMAIL LEKORCHI *

BRIAN T. LINN

THOMAS M. MARTIN

NATHAN T. MAUNEY

TYLER S. MELVIN

MELVIN R. MILLBERG III

TIMOTHY M. MOODY

RACHEL A. ONEYEAR

ADAM C. RAFALOWSKI

ANNA K. RENFRO

BLAKE E. ROSIER

WILLIAM C. SIMMONS

CHRISTOPHER J. SIPPEL

MALCOLM STEPHEN **

JOHN E. STOVER

KRISTIN M. TEAGUE

MARK W. TROGDON

CHRISTOPHER A. TURNER

ADDISON K. WARDEN

JACE F. WEDDINGTON

HANNAH E. WETMORE

ALEXANDER C. WHITE

PAUL G. WHITLEY

UNDERGRADUATE DEGREE HONOR DESIGNATIONS

CUM LAUDE - For GPA 3.250 through 3.499 (white sash)
MAGNA CUM LAUDE - For GPA 3.500 through 3.749 (red sash)
SUMMA CUM LAUDE - For GPA 3.750 and above (gold sash)

* Summer Session 1
** Summer Session 2