Binghamton University
Commencement 2017

GRADUATE CEREMONY | FRIDAY, MAY 19, 2017
WELCOME

PRESIDENT HARVEY G. STENGER, THE BINGHAMTON UNIVERSITY COUNCIL, FACULTY, ALUMNI AND STUDENTS OF BINGHAMTON UNIVERSITY, STATE UNIVERSITY OF NEW YORK, ARE HONORED BY YOUR PRESENCE AT TODAY’S CEREMONY.
MESSAGE FROM THE UNIVERSITY PRESIDENT

Graduates, parents and special guests: Commencement is the highlight of the academic year, for the students we are honoring, especially, but also for the faculty and staff who have helped our students achieve so much. Our graduates now look to the next stage in their lives, with new careers and new relationships ahead. All of us at Binghamton are proud of their many achievements, confident that their experiences will allow them to attain their full potential.

Of course, they approach today’s ceremony with both great happiness and a touch of nervousness. They are leaving the familiar rituals of coursework and study to begin the challenging and rewarding work of applying their talents “in the real world.” Whatever the future holds for our graduates, they leave Binghamton with a strong foundation for success.

I know this because I’ve already seen the many ways that Binghamton students impact their communities and the world. Their academic achievements have brought acclaim to the University as a place where students learn by doing — winning prestigious casework competitions and grants, already publishing papers as accomplished scientists and scholars, and bettering their communities through hands-on internships and practicums.

Outside the classroom, they have embraced their responsibilities as active members of the community. They’ve raised funds to combat deadly disease, provided food for the hungry, taught younger students in local schools and even foregone the pleasures of spring break to assist families in need. Their actions and achievements are inspiring, and set a high bar for the classes that will follow.

Our graduates have learned the practical, technical and professional skills that will enable success throughout their careers. But most important, Binghamton University has provided the foundation in the liberal arts and applied fields of study that gives our students the understanding and perspectives they need to address the challenges of the coming decades.

While our focus is on our students, we also understand that Commencement is a shared celebration. It recognizes not only the talents and perseverance of our graduates, but also the dedication and commitment of the outstanding faculty who helped them learn, and the support and guidance of families and friends. I hope that everyone here today will find special meaning in these ceremonies, and we thank them for all they have done for our students.

It has been a pleasure to witness the achievements of the Class of 2017. Graduates, thank you for choosing Binghamton University. I am pleased and proud to celebrate with you today, certain that you are well prepared for the future and that your accomplishments will be significant.

Sincerely,

Harvey G. Stenger
President
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   Regalia Hood Colors (inside back cover)
   Alma Mater (back cover)
Congratulations to you, the amazing Class of 2017! Among the many gifts you’ll receive, allow me to add one that has tremendous value and will be with you for your entire life — automatic membership in the Binghamton University Alumni Association. This privilege is not to be underestimated, and with your participation, it can provide you with concrete social and professional benefits.

One of the most valuable benefits is your membership in a powerful alumni network that now exceeds 127,000 graduates. We have alumni in every state and in more than 100 countries. We bring alumni together throughout the year through events no matter where you live. There are several chapters throughout the country and if you want to start one in your city, just let us know.

Regardless of where you live, you can always find Binghamton graduates online. I strongly encourage you to immediately engage with this vast network through our Facebook page, LinkedIn groups and other social media properties, and be sure that your information is always up-to-date in our online directory B-Connected. These are all available through binghamton.edu/alumni. Find us and help us find you.

For those of you in the Metro New York region, join us in a few weeks at a special welcome event for the Class of 2017; look for an email invitation with the date, location and details. Come back to campus this Oct. 6–8 for Homecoming and, when you do, be sure to visit your Alumni Center, located right in the heart of campus!

As you move on and become successful in the next chapter in your life, I hope you’ll think about the generations of Binghamton students that will follow, and consider ways to connect with them. The Alumni Association can help you pay it forward in many different ways, depending on your interest and available time.

Until then, I wish you all the best, and look forward to being in touch! #BingPride

Warmest regards,

Gary Kibel ’90, MBA ’92
HONORARY DEGREES

Binghamton University, in addition to awarding baccalaureate, master’s and doctoral degrees for work completed at the University, looks outside itself to identify individuals who, by their accomplishments, represent what the University values and strives to instill in its graduates. It may be scholarly attainment, it may be artistic excellence, it may be a life of outstanding service. These are exceptional individuals in all fields of endeavor who serve as role models and inspirations for students and faculty alike. It is for these reasons that Binghamton University recognizes them with an honorary degree from the State University of New York: Doctor of Fine Arts, Doctor of Humane Letters, Doctor of Laws, Doctor of Letters or Doctor of Science. In doing so, the University not only celebrates their achievements, but also claims them proudly as having a special relationship with Binghamton University.

HONORARY DEGREE RECIPIENTS

Nathan Englander
DOCTOR OF LETTERS

Nathan Englander ’91, distinguished writer-in-residence at New York University, is an award-winning author, playwright and translator. He earned his bachelor’s degree from Binghamton University in 1991, attended Hebrew University in Jerusalem, then returned to the United States where he earned his MFA in fiction from the University of Iowa.

Englander’s first book, *For the Relief of Unbearable Urges*, won the PEN/Faulkner Malamud Award and the Sue Kaufman Prize for First Fiction from the American Academy of Arts and Letters.

His second book was a novel, *The Ministry of Special Cases*, and his third book – *What We Talk About When We Talk About Anne Frank* – was a 2013 Pulitzer Prize finalist, and won the 2012 Frank O’Connor International Short Story Award.

His 2012 original translation, the *New American Haggadah*, edited by Jonathan Safran Foer, recounts the story of Exodus, and he co-translated Etgar Keret’s *Suddenly a Knock at the Door*.

His work has been featured in *The Best American Short Stories*, *The O. Henry Prize Anthology* and *The Pushcart Prize*, and *The New Yorker* selected him as one of the “20 Writers for the 21st Century.”

He won the Bard Fiction Prize, a Guggenheim Fellowship in Fiction, was a Dorothy & Lewis B. Cullman Center for Scholars and Writers Fellow, and has been a fellow at The American Academy of Berlin.

Sergio Rapu Haoa  
**DOCTOR OF HUMANE LETTERS**

Sergio Rapu Haoa, archaeologist and consultant for Pacific cultures, has helped transform Easter Island — Rapa Nui, Chile — from an isolated and impoverished village to a globally connected community and tourist destination, while contributing to its long-term cultural, ecological and economic sustainability.

He holds a teaching degree from the Escuela Normal Abelardo Nunez in Chile, a museology degree from the University of Chile, a bachelor's degree in anthropology from the University of Wyoming and a master's degree in archaeology and Pacific studies from the University of Hawaii.

As curator/director of Easter Island’s Padre Sebastian Englert Anthropology Museum for decades, he vastly expanded its size and scope. The museum now has 12 staff, runs an archaeological and living conservation program, and hosts literary and cultural events.

As an archaeologist, he made major contributions to the understanding of moai – the massive monolithic human statues with large heads that Easter Island is famous for – and the ahu (platforms) on which they stand.

He heads the Institute for Polynesian Studies at Hawaii's Brigham Young University and is a Rotary World Peace Scholar at the University of California, Berkeley.

Since 2000, he has been colleagues with Binghamton University Professor Carl Lipo, collaborating on excavations establishing the island's chronology and upending assumptions about its history. He co-authored, with Lipo and Terry Hunt, dean and professor from the University of Oregon, a 2013 paper published in the *Journal of Archaeological Science* (“The Walking Statues of Rapa Nui”).

Geraldine Knoll MacDonald  
**DOCTOR OF LETTERS**

Geraldine Knoll MacDonald ’68, MS ’73, managing partner at GMacDonald Consulting, is a pioneer in the field of internet communications.

She earned her bachelor's degree in psychology from Binghamton University, and her master's from the School of Advanced Technology – the precursor to the Thomas J. Watson School of Engineering and Applied Science.

In the 1980s, she led the development of Binghamton University’s computing infrastructure from mainframe computers to minicomputers to personal computers. She also served as acting vice president for administration for a year.

MacDonald left the University for America Online (AOL), rising to senior vice president for Global Access Networks, operating the world’s largest dial-up network and an internet protocol backbone for broadband traffic that supported, at its peak, over 73 million daily worldwide connected sessions totaling over 37 million hours. She retired from AOL in 2005.
MacDonald established the Jack Knoll Scholarship for Women in Computer Science and Engineering, the MacDonald Family Prize in Senior Design and the Knoll-MacDonald Commons in the Engineering Building. She was a member of the Lead Gifts Solicitation Team for Binghamton University’s first-ever comprehensive gifts campaign and a director of the Binghamton University Foundation.

She has received the Thomas J. Watson School of Engineering Founders Award, the Glenn G. Bartle Distinguished Alumni Award, was named one of the “25 Top Unsung Heroes on the Net” by Inter@ctive Week in 2000 and was featured in the book, *Cool Careers for Girls in Computers*.

**Tony Kornheiser**

**DOCTOR OF LETTERS**

Anthony “Tony” Kornheiser ‘70, sports writer, broadcaster and television personality, graduated from Binghamton University with a bachelor’s degree in English. He began his career as a journalist at Binghamton, writing for the student newspaper and working at the student radio station, WHRW. During his career, he has written for *Newsday*, *The New York Times* and *The Washington Post*. Known for his irreverent style, he was a finalist for the Pulitzer Prize for Commentary in 1997.

Widely known for his work in radio and television, he has hosted *The Tony Kornheiser Show* on radio in various forms since 1992, co-hosted *Pardon the Interruption* on ESPN since 2001 and served as an analyst for ESPN’s *Monday Night Football* from 2006–’08.

Kornheiser has won numerous awards, including a Sports Emmy for Outstanding Studio Show-Daily for *Pardon the Interruption*. He was also ranked No. 1 of America’s Top 20 Local Sports Midday Shows for 2015 by Barrett Sports Media. He has published four books and contributed to popular magazines including *Sports Illustrated*, *Esquire* and *ESPN Magazine*.

A member of the Binghamton University Foundation Board and a regular philanthropic contributor to the student newspaper (*Pipe Dream*), Kornheiser established the Tony Kornheiser Newspaper Scholarship that is awarded to a student who volunteers for *Pipe Dream*. He has also contributed to the University’s annual fund in support of Harpur College, the Anderson Center for the Performing Arts, Athletics, as well as the Memorial Courtyard endowment.
GRADUATE CEREMONY

FRIDAY, MAY 19, 3:30 P.M.

PRELUDE
“A Jubilant Overture,” Alfred Reed
“As Summer Was Just Beginning,” Larry D. Daehn
“March” from First Suite in E-Flat, Gustav Holt

University Wind Symphony
Daniel Fabriicus, Conductor

PROCESSIONAL
“Pomp and Circumstance,” Theme from “March No. 1,” Edward Elgar, arr. Clare Grundman

GRAND MARSHAL
Fernando Guzman, Professor, Mathematical Sciences, Chair, Faculty Senate

SCHOOL MARSHALS

Graduate School
Sarah S. Lam, Associate Dean, Associate Professor, Systems Science and Industrial Engineering
Lauren Brown, English, General Literature and Rhetoric

Harpur College of Arts and Sciences
Florenz Plassmann, Associate Dean, Professor, Economics
Bryan A. Delgado, Romance Languages

School of Management
George Bobinski, Associate Dean
Jennifer Lore Bochicchio, Accounting

Thomas J. Watson School of Engineering and Applied Science
John Bay, Associate Dean, Professor, Electrical and Computer Engineering
Linda Adwan, Industrial and Systems Engineering
PIPERS
Broome County Celtic Pipes and Drums
Pipers lead in the faculty and platform party in tribute to Robert Harpur, an eminent colonial New Yorker of Scottish heritage, whose name is linked with the historic roots of the University.

FACULTY MARSHALS WITH UNIVERSITY FACULTY
Surinder Kahai, Associate Professor, School of Management
Amber Doiron, Assistant Professor, Biomedical Engineering

PLATFORM PARTY
Harvey G. Stenger, President
Linda H. Biemer, PhD, Binghamton University Council
Laura R. Bronstein, Dean, College of Community and Public Affairs
James J. Broschart, MBA ’92, Vice President for Advancement
Terrence Deak, Dean, Harpur College of Arts and Sciences, Professor, Psychology
Upinder S. Dhillon, Dean, School of Management
Nathan Englander ’91, Honorary Degree Recipient
Kathryn Grant Madigan, Esq., Chair, Binghamton University Council
Valerie J. Hampton, Chief Diversity Officer
Sergio Rapu Haoa, Honorary Degree Recipient
Courtney Ignarri, Chair, Professional Staff Senate
Curtis Kendrick, Dean, University Libraries
Gary Kibel ’90, MBA ’92, Alumni Association President
Geraldine Knoll MacDonald ’68, MS ’73, Honorary Degree Recipient
Tony Kornheiser ’70, Honorary Degree Recipient
Dennis C. McCabe, Esq., Binghamton University Council
Michael F. McGoff ’70, MA ’74, PhD ’80, Senior Vice Provost and Chief Financial Officer
Gloria E. Meredith, Founding Dean, School of Pharmacy and Pharmaceutical Sciences
Pamela A. Mischen, Platform Party Marshal, Associate Professor, Public Administration, Faculty Advisor to the President
JoAnn J. Navarro ’93, MBA ’02, Vice President for Operations
Donald G. Nieman, Provost and Executive Vice President for Academic Affairs
Mario R. Ortiz, Dean, Decker School of Nursing
Brian T. Rose, Vice President for Student Affairs
Plash Sachdeva, President, Graduate Student Organization
Ryan L. Sheppard ’16, Student Representative, Binghamton University Council
Krishnaswami Srihari, Dean, Thomas J. Watson School of Engineering and Applied Science, Executive Vice Provost for International Initiatives and Chief Global Affairs Officer, Distinguished Professor, Systems Science and Industrial Engineering
Susan Strehle, Vice Provost and Dean, Graduate School, Dean, Graduate School of Education, Distinguished Service Professor, English
ORDER OF EXERCISES

CEREMONY OPENING
Fernando Guzman, Grand Marshal

NATIONAL ANTHEM
“The Star Spangled Banner,” John Stafford Smith, arr. Daniel Fabricius
Vocal performance by Lauren Nash Silberstein

PRESIDENT’S WELCOME
Harvey G. Stenger

PROVOST’S WELCOME
Donald G. Nieman

DEAN’S WELCOME
Susan Strehle

ALUMNI ASSOCIATION WELCOME
Gary Kibel

INTRODUCTION OF HONORARY DEGREE RECIPIENTS
President Stenger

Nathan Englander, Doctor of Letters
Sergio Rapu Haoa, Doctor of Humane Letters
Geraldine Knoll MacDonald, Doctor of Letters
Tony Kornheiser, Doctor of Letters

HONORARY DEGREE RECIPIENT REMARKS
Sergio Rau Haoa

PRESENTATION OF CANDIDATES FOR AND CONFERRING OF DOCTORAL DEGREES
Dean Strehle
President Stenger

PRESENTATION OF CANDIDATES FOR CERTIFICATES OF ADVANCED STUDIES AND CANDIDATES FOR MASTER’S DEGREES

Harpur College of Arts and Sciences
Terrence Deak
President Stenger

School of Management
Upinder S. Dhillon
President Stenger

Thomas J. Watson School of Engineering and Applied Science
Krishnaswami Srihari
President Stenger

CONFERRING OF CERTIFICATES OF ADVANCED STUDIES AND MASTER’S DEGREES
Provost Nieman
President Stenger

ALMA MATER
“In the Rolling Hills of Binghamton,” words by Xin Engel, music by David Engel ’86, arr. Daniel Fabricius (lyrics on back cover)
Vocal performance by Lauren Nash Silberstein

CEREMONY CLOSING
Grand Marshal Guzman

RECESSIONAL
“Flourish for Wind Band,” Ralph Vaughan Williams
“Coronation March” from Star Wars, John Williams, arr. James H. Burden
“Instant Concert,” Harold Walters
DISTINGUISHED DISSERTATION AWARDS

Graig Klein
“Terrorist’s Strategic Target Selection as a Mechanism for Political Mobilization”
Political Science: Prof. David H. Clark

Nicholas F. Quackenbush
“The Physics of Ultra-Thin Vanadium Dioxide: At the Surface, Interface and In-Between”
Physics: Prof. Louis F. Piper

Robert Wilson
“American Resonance: Soundscapes of the American Renaissance”
English: Prof. William V. Spanos

Dengyan Zhou
“The Language of “Photography” in China: A Genealogy of Conceptual Frames from Sheying to Xinwen Sheying and Sheying Yishu”
Art History: Prof. John T. Tagg
CANDIDATES FOR DOCTORAL DEGREES

Furat F. Afram**
“Effective use of Silicon Area in Out of Order Microprocessor”
*Computer Science: Prof. Kanad Ghose*

Shadi Mohammad Abdallah AlB’ool
“Patient Scheduling in Destination Medical Centers”
*Industrial and Systems Engineering: Prof. Mohammad T. Khasawneh*

Haneen B. Ali*
“The Design and Evaluation of a Novel Notification System to Improve Quality of Care in Nursing Homes”
*Industrial and Systems Engineering: Prof. Huiyang Li*

Husam A. Alissa*
“Chip to Chiller Energy-Reliability Aware Empirical and Numerical Analyses of the Integrated Data Center”
*Mechanical Engineering: Prof. Bahgat G. Sammakia*

Jason Eathan Allen
“Gin Lane: a novel”
*English: Prof. Jaimee Wriston Colbert*

Andrea Emilia Allio
“A Descriptive Analysis of the Influence of Gender, Ethnicity, and Advanced Placement Program Variables on Students’ Academic Motivation and Self-Efficacy Beliefs”
*Educational Theory and Practice: Prof. Pamela Sandoval*

Lubna F. Al-Nasser**
“Predictive Analytics System for Gas Detection and Concentration Estimation Using Gas Sensor Arrays”
*Industrial and Systems Engineering: Prof. Shuxia S. Lu*

Ryan James Asher
“The Most Important Meal: The National School Breakfast Program”
*History: Prof. Leigh Ann Wheeler*

Ketan S. Bahlulkar**
“Partitioning and Clustering in Distributed Systems”
*Computer Science: Prof. Dmitry V. Ponomarev*

Mohammad Bataineh
“Minimizing Travel Distance during Warehouse Order Picking Considering Congestion Effect”
*Industrial and Systems Engineering: Prof. Mohammad T. Khasawneh*

Tiffany Alicia Baugh-Helton
“‘We Didn’t Know We Were Making History’: The United Automobile Workers’ Women’s Auxiliaries in Great Depression and World War II Era Detroit”
*History: Prof. Leigh Ann Wheeler*

Airek M. Beauchamp*
“Sociohistoric Approaches to the Conventions and Parameters of Academic Disciplines: Case Studies of the Academic Identities of Dissertation Writers”
*English: Prof. Kelly A. Kinney*

Gamze Nazan Bedirhanoglu Balaban
*Sociology: Prof. Caglar Keyder*

Nan Bi**
“Empirical Likelihood for a Class of Semiparametric Regression Models”
*Mathematics: Prof. Anton Schick*

Matthew J. Birkhold**
*Sociology: Prof. William G. Martin*

Tayyebeh N. Borogerdi**
“Effects of Hospitalization and Bedrest on High-risk Pregnant Women and their Families”
*Nursing: Prof. Mary A. Swain*

Kristie Marie Bowers
“Examining the Moral Development of Emerging Adult Student-Athletes: The Connection to Engaged Leadership Practices”
*Community and Public Affairs: Prof. Nadine Mastroleo*

Steven Michael Boyer
“Harnessing Solar Energy: Vapor Phase Polymerized Poly (3, 4-ethylenedioxythiophene) for Solid State Dye-Sensitized Solar Cells and the Photodegradation of Organic Toxicants”
*Chemistry: Prof. Wayne E. Jones Jr.*

Lauren Michelle Brown
“Pocket Change: Sites of Resistance to American Exceptionalism in Contemporary Literature”
*English: Prof. Susan Strehle*

Pamela Olivia Brown
“Captured: Poetry & Prose of Compassion in Action”
*Philosophy, Interpretation and Culture: Prof. Joseph D. Weil*

Katie L. Burkhouse*
“Neural and Physiological Indices of Emotional Reactivity in Adolescent Depression”
*Clinical Psychology: Prof. Brandon E. Gibb*

Benjamin J. Bush**
“Studying the Evolution of Ideas at Multiple Spatio-Temporal Scales using Extended Evolutionary Computation”
*Systems Science: Prof. Hiroki Sayama*

Michael Joseph Cangemi
“To Forestall Extremism and Build and Authentic Peace”: Catholicism and U.S.-Guatemalan Relations, 1976-1985”
*History: Prof. Stephen Ortiz*

Diviani Chaudhuri**
“The House in South Asian Muslim Women’s Early Anglophone Life-Writing and Novels”
*Comparative Literature: Prof. Luiza F. Moreira*
Anting Chen
“Structural Modifications and Photophysical Studies of Fluorescent Conjugated Polymers for Solid State Sensor Development”
Chemistry: Prof. Wayne E. Jones Jr.

Minyoung Cheong
“Empowering Leadership: A Comprehensive Perspective and Tests with Multiple Methods and Studies”
Management: Prof. Francis J. Yammamino

Samwel Kipkogei Cheruiyot
Chemistry: Prof. Eriks Rozners

Hye Yun Chin**
“Great Britain’s Glory” and the Staging of Global Commerce: The Royal Exchange and Architectural Identity of Early Modern London”
Art History: Prof. Andrew R. Walkling

Tanya Chiykowski*
“Gendered Movement and Ceramic Change at Cerro De Trincheras, Sonora, Mexico”
Anthropology: Prof. Randall H. McGuire

Youngmim Chung
“Hydrothermal Synthesis and Characterization of Vanadyl Phosphate Based Cathode Materials for Lithium Ion Batteries”
Chemistry: Prof. M. Stanley Whittingham

Ozgur Cicek**
“Kurdish Cinema in Turkey: Imprisonment, Memory, and the Archive”
Philosophy, Interpretation and Culture: Prof. Monika Mehta

Rosemary Collier*
Nursing: Prof. Geraldine R. Britton

Mikhail Coloma
“Reverse Fluid Transport Due to Reflected Boundary Waves: A Mechanism for Perivascular Drainage in the Brain”
Mechanical Engineering, Prof. Paul Chiarot/ Prof. Peter Huang

Melissa M. Conti**
“Role of Monoamine Transporters in L-DOPA-induced Neurotransmission and Behavior in Hemi-Parkinsonian Rats”
Behavioral Neuroscience: Prof. Christopher R. Bishop

Stephanie C. Craig**
“Nitrogen Biogeochemistry in Binghamton, NY, a Medium-Sized Urban Ecosystem”
Biological Sciences: Prof. Weixing Zhu

Sudip Dahal*
“In Vitro Modeling of the Aortic Valve”
Biomedical Engineering: Prof. Gretchen J. Mahler

Julian Darragjati**
“The Deviant: A Novel”
English: Prof. Alexi Zentner

Brandon Davis-Shannon**
“Lost Luck: Recovering the Concept of Moral Luck from the Problem of Moral Luck”
Philosophy: Prof. Anna Gotlib

Jeremiah Michael Dederick
“Characterization of Silicon/Tin High Mass Contrast Thin Films”
Physics: Prof. Bruce E. White Jr.

Jie Deng
“Leadership in Education Abroad Office: A Case Study Based on the Interactional Framework of Leadership and the Transformational - Transactional Leadership Theory”
Educational Theory and Practice: Prof. Thomas O’Brien

Mary Frola Dickson
“Re-enactments of Ecofeminist Themes in Barbara Kingsolver’s ‘The Poisonwood Bible,’ ‘Prodigal Summer,’ and ‘Flight Behavior’”
English: Prof. Susan Strehle

Rahul N. Dixit
“Optical Back Scattering from Cloud Particulates”
Electrical Engineering: Prof. David Klotzkin

Laura Anne Dohner
“Translation for the Young Reader: Considering the Socio-Historical and Ideological Differences between Source Culture and Target Culture”
Translation Studies: Prof. Joshua Martin Price

Antoine Dolceorca**
“The Agrarian Question in Burkina Faso: The State, the Commons and the Transformation of Property Relations”
Sociology: Prof. Caglar Keyder

Jesse Elwell*
“Securing Systems with Non-Inclusive Memory Permissions”
Computer Science: Prof. Dmitry V. Ponomarev

Matthew Englund**
“The Shock of Dysrecognition: Philip K. Dick and the Act of Reading”
Comparative Literature: Prof. Brett S. Levinson

Austin C. Faucett**
“Voltage-Induced Reduction of Graphene Oxide”
Physics: Prof. Jeffrey Mativetsky

Adam Allan Ferguson
“Rethorizing the Victorian Queer: Gerard Manley Hopkins, Christina Rossetti, and the Pre-Raphaelite Movement”
English: Prof. Jean-Pierre Mileur

Hayley C. Fivecoat*
“Spousal Social Support is associated with Perceptions of Partner Responsiveness and Fluctuations in Cortisol for Married Women”
Clinical Psychology: Prof. Matthew D. Johnson

Katherine L. Fleming
“Establishing Community and Perpetuating the Faith: The Shakers of Pleasant Hill, Kentucky”
Anthropology: Prof. Thomas M. Wilson

Samantha Kylie Fox
Sociology: Prof. Denis O’Hearn

Anny Gano**
“A Functional Analysis of Neuroimmune Responses Evoked by Acute Alcohol Exposure”
Behavioral Neuroscience: Prof. Terrence Deak

Rui A da Graca Alexandre Gomes Coelho
“Sensory Regime of ‘Second Slavery’: Landscape of Enslavement in the Paraiba do Sul Valley, Brazil”
Anthropology: Prof. Randall H. McGuire

Julie Marie Gregg
“Examining the Influence of Neighbor Frequency and Context on Visual Word (Mis)Identification”
Cognitive Psychology: Prof. Albrecht Inhoff

Qiong Gui
“Creating Event-Related Potential Based Brain Biometrics: A Data Fusion Perspective”
Electrical Engineering: Prof. Zhanpeng Jin

Zhongyuan Guo
“Use of Physiologically-Based In Vitro Models of the Gastrointestinal Tract to Study TiO2 and SiO2 Nanoparticle Interactions with Nutrient Absorption”
Biomedical Engineering: Prof. Gretchen J. Mahler

Joseph Michael Hall
“Exercise Enhances Medial Septal Cholinergic Function: The Role of Neurotrophins on the Maintenance/Enhancement of the Cholinergic Neuronal Phenotypes”
Behavioral Neuroscience: Prof. Lisa M. Savage

*Degree awarded summer 2016  |  **Degree awarded fall 2016
Andrea Hanley*
“Self-Injurious Thoughts and Behaviors in Youth: Rates and Correlates”
Clinical Psychology: Prof. Brandon E. Gibb

Dziyana Hnedzko
“Sequence-Selective Recognition of Double-Stranded RNA and Enhanced Cellular Uptake of Cationic Nucleobase and Backbone-Modified Peptide Nucleic Acids”
Chemistry: Prof. Eriks Rozners

Katherine J. Hovey*
“The Experiences of Physical Education Teacher Education Students with Disabilities: Supports and Barriers to Success”
Educational Theory and Practice: Prof. James J. Carpenter

Yaohui Hu
“Extensible Ecosystem for Hypervisor Level Services”
Computer Science: Prof. Kartik Gopalan

James M. Hundley
“We are Coast Salish: Politics and Society across a Settler Colonial Border in the Post-9/11 World”
Anthropology: Prof. Thomas M. Wilson

Fatima Irshaidat**
“Three Essays on Advancing the System Dynamics Modeling Approach for Analyzing Policies and Interventions for Improvement of Women’s Health”
Industrial and Systems Engineering: Prof. Nasim S. Sabounchi

Kinji Ito
Translation Studies: Prof. David C. Stahl

Rajiv Lakshminarayan Iyer
“Microgram Depositions of Electronics Packaging Adhesives with High Speed Jetting Systems”
Industrial and Systems Engineering: Prof. Daryl L. Santos

Joseph J. Janick*
“Modeling Chemical Sedimentation for the Last 30 KA of the Searles Lake Formation, Searles Lake, California”
Geology: Prof. Robert V. Demicco

Dongsheng Ji
“Germanium and Tin based Anode Materials for Lithium-Ion Batteries”
Chemistry: Prof. M. Stanley Whittingham

Yangyang Ji
“Three Essays in Dynamic Macroeconomics”
Economics: Prof. Wei Xiao

Ning Kang
Materials Science and Engineering: Prof. Chuan-Jian Zhong

Andrew James Kelley
“Maximal Subgroup Growth of Some Groups”
Mathematics: Prof. Marcin Mazur

Sina Khanmohammadi**
“On Effective Feature Construction Methods for Diagnostic Neuroimaging”
Systems Science: Prof. Hiroki Sayama

Neel Mandal Khurjekar
“Predictive Modelling for Health Insurance Claims Denials”
Industrial and Systems Engineering: Prof. Mohammad T. Khasawneh

Jung Yeun Kim
“Essays on CEO Pulchronomics”
Management: Prof. Nan Zhou

Derek Tze-Perng Lan
“‘The Sound of These Looms May Be Heard At All Hours’: Textile Manufacturing Work and Reform, Philadelphia County, 1788-1854”
History: Prof. Thomas Dublin

William David Larsen
“Building Sustainable Chronic Care in a Free Clinic”
Family Nurse Practitioner: Prof. Yvonne Johnston

Hannah Marie Ledford
“The Place Where Nobody Dies”
English: Prof. Jaimee Wriston Colbert

Ho H. Lee*
“Investigation of the Time Dependent Property for Packaging Materials”
Mechanical Engineering: Prof. Seungbae Park

Jennifer JooYeon Lee
“Opportunism, Distortions, and Governance in Asymmetric Buyer-Seller Relationships: Theory and Empirical Evidence”
Management: Prof. Debi P. Mishra

Jeong Kyun Lee
“Modeling and Evaluating Distributed Wireless Communication Systems”
Electrical Engineering: Prof. Xiaohua Li

Latoya A. Lee**
“Virtual Homespace: (Re) Constructing the Body and Identity through Social Media”
Sociology: Prof. Gladys M. Jiménez-Muñoz

Paul Lemley
“Burnt Offerings: Identity, Self-Making and Quotidian Political Violence”
Philosophy, Interpretation and Culture: Prof. Maria Lugones

Jiamin Li
Industrial and Systems Engineering: Prof. Mohammad T. Khasawneh

Shenglan Li
“Refashioning Care: Nursing, Intimacy, and Citizenship in Wartime China, 1900-1950”
History: Prof. Fa-ti Fan

Caitlin Janine Light
“CIS-2-Decenoic Acid Signaling and Dispersion in Pseudomonas aeruginosa: The Role of Dispersed Cells in Virulence and Pathogenesis”
Biological Sciences: Prof. David G. Davies

J. Jason Lim**
“A Misstep in Consilience: The Advent of Neurofiction and the Scientific Bias in the Neurohumanities”
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Donna West
Debra Willsley
Brittany Wilson
Ching Yi Wu
Reham Yasin
Nicole Zhang
Binghamton University opened its doors as Triple Cities College in 1946 to serve the needs of local veterans returning from service in World War II. Originally located in Endicott, five miles west of the present campus, the fledgling school was a branch of Syracuse University. Four years later, when the college was incorporated into the State University of New York, it was renamed Harpur College in honor of Robert Harpur, a Colonial teacher, patriot and pioneer who devoted his later years to settling the area around Binghamton.

Until 1953, Harpur College was one of only two public liberal arts colleges in the state. In 1961, the campus was moved across the Susquehanna River to Vestal. Growing enrollment and a reputation for excellence soon led to the selection of Harpur College as one of four doctorate-granting university centers in the state system. In 1965, the campus was formally designated the State University of New York at Binghamton. Binghamton University was adopted as its informal name in 1992.

Today, Binghamton University is known for the excellence of its students, faculty, staff and programs, and enrolls more than 17,000 students in programs leading to bachelor's, master's and doctoral degrees. More than 13,600 students are undergraduates and more than 3,600 are graduate students. Its curriculum, founded on the liberal arts, has expanded to include selected professional and graduate programs, including the new Doctor of Pharmacy (PharmD) program launching in the fall.

The University offers more than 100 major degree programs across its academic divisions and is recognized as the most selective and prestigious university in the SUNY system. College guides such as the *Fiske Guide to Colleges* have dubbed Binghamton a “premier public university in the Northeast.” Students actively take part in internships, education-abroad programs, honors programs, Division I athletics and many of the 280+ student organizations on campus. They enjoy attractive, comfortable living-and-learning residences, and they give faculty high marks for being approachable and inspirational.

Binghamton’s faculty and students come from more than 100 countries, bringing with them many different cultures and backgrounds and representing a wealth of ideas. It has an excellent research library, outstanding computer facilities, a superb performing arts center, a teaching greenhouse, a 190-acre Nature Preserve, an Events Center and more.

Binghamton is a highly regarded research university, yet, at the same time, is as accessible as a smaller school. Retention is well above national averages, and more undergraduates are admitted into nationally ranked, rigorous graduate programs than is the norm nationally for public research universities.
ACADEMIC REGALIA

The shapes, colors and trim of gowns, hoods and caps indicate the academic degree, the school granting the degree and the subject of study. The higher the degree, the more elaborate the costume. Gowns are distinguished by the shape of the sleeves. Bachelors’ gowns have pointed sleeves, masters’ have sleeves cut square at the back and doctors’ gowns also have velvet facing and three velvet bars on the sleeves that are either black or a color indicating the degree: dark blue for philosophy; light blue for education; golden yellow for science; pink for music; orange for engineering; brown for fine arts; white for arts, letters and humanities; and copper for economics.

Hoods are distinguished by length, lined with the official color(s) of the conferring institution and trimmed with a color indicating the subject in which the degree is granted. Blue and gold, the color of the State University of New York, are in the hoods of all those who will receive a doctorate today, including honorary degree recipients.

The cap or mortarboard is black, with a long tassel that may be black or the color appropriate to the subject. Only doctors’ caps may have a tassel of gold thread. It is customary for graduates to move tassels from right to left after degrees are conferred.
**INTERNATIONAL FLAGS**

Binghamton University attracts students and scholars from across New York state, the country and the world. The international flags that hang in the Events Center during Commencement ceremonies and at other venues on campus during the academic year represent the more than 100 nations our students hail from. Flown since Commencement 1997, these flags are an important visual reminder that Binghamton University's strength lies in its people who represent a great variety of cultures, backgrounds and ideas.

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**THE UNIVERSITY MACE**

A gift of the Class of 1993, the University mace represents the magisterial authority of the University as an institution of higher learning. Such symbols go far back into antiquity, their use proclaiming the power of the holder. Today, the mace stands for the pre-eminence of the world of knowledge.

Professor John Thomson of the Department of Studio Art undertook the commission by the Class of 1993 for the University mace. Nearly three feet long, it is made of hand-turned, polished walnut. The spherical head has two inset cast-bronze facets in the shape of medallions. One bears the seal of Binghamton University. The other carries a high-relief rendering of Pegasus, the flying horse of Greek mythology, which as a part of the seal symbolizes the University's aspirations for its future.
TRUSTEES, COUNCIL AND ADMINISTRATION

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Nancy L. Zimpher

State University of New York Board of Trustees
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Courtney Burke
Marc Cohen
Eric Corngold
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Ronald G. Ehrenberg ’66
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Peter Knuepfer
Eunice A. Lewin
Marshall Lichtman
Stanley Litow
Richard Socarides
Carl Spielvogel
Edward Spiro
Cary Staller
Nina Tamrowski
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Matthew Salanger
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Upinder S. Dhillon, Dean, School of Management
Patrick Elliott, Director, Athletics
Curtis Kendrick, Dean, University Libraries
Gloria E. Meredith, Founding Dean, School of Pharmacy and Pharmaceutical Sciences
JoAnn J. Navarro ’93, MBA ’02, Vice President for Operations
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Mario R. Ortiz, Dean, Decker School of Nursing
Paul Parker, Officer in Charge, Division of Research
Brian T. Rose, Vice President for Student Affairs
Krishnaswami Srihari, Dean, Thomas J. Watson School of Engineering and Applied Science
Susan Strehle, Dean, Graduate School, Dean, Graduate School of Education
GUEST INFORMATION

ACCESSIBILITY SERVICES
If you or someone in your party is in need of accessibility services, visit our table near the entrance of the Events Center.

CAPTIONING
Similar to closed-captioning on television, our ceremonies will be transcribed. Real-time captioning will appear on the two overhead screens above the stage (jumbotron). Captioning will also be available with the online broadcast.

CEREMONY LENGTH
Each ceremony lasts approximately 90 minutes to two hours, depending on the number of graduates in each ceremony.

CONCESSIONS
Concessions are available when doors open and remain open throughout the ceremony. Food items are allowed to be taken to guest seats. Dispose of all trash at the nearest receptacle.

EMERGENCIES
Police and emergency medical staff are on site. An EMS station is located on the concourse level of the Events Center.
If you need assistance, contact the closest usher. (Ushers can be identified by their volunteer name badges.)
In the event of a fire alarm, the building’s emergency horns and strobes will be activated. Guests should carefully exit the building through the nearest exit. Be aware that the closest exit may not be the same doors through which you entered the building. Ushers will assist in the orderly evacuation.

LISTING OF GRADUATES
Inclusion in the program does not constitute evidence of completion of degree or honors requirements. Graduate Students who filed a spring 2017 Graduate Application for Degree with the Graduate School by April 4 are guaranteed to be in the program. Those filed after the deadline may or may not appear, depending on the date of submission.

LOST CHILD
In the event a child has been separated from his or her family, immediately notify the nearest Events Center staff member or police officer who will attend to the child. There is a booth on the main concourse next to the main entrance for Lost Children. Event staff members will be wearing a green polo and a name tag.

GRADUATE PROCESSION
Graduates will process into the event arena in two lines, by degree level and alphabetically by department.

PHONES
Guests are asked to silence cell phones for the duration of the ceremony. Your cooperation is appreciated.

PHOTOGRAPHY
So that all may enjoy the majesty and joy of the occasion, we ask guests to refrain from approaching the stage to take pictures during the ceremony. Photographers from Commencement Photos, Inc. will be photographing our graduates as they cross the stage. For information on how to order prints, visit www.commencementphotos.com.

RESTROOMS
Restrooms are located on the east and west sides of the Events Center concourse.

SEATING
Guests may remain seated during the processional. Stand to sing the national anthem. For purposes of decorum and the safety of all guests, we ask that the aisles remain clear during the ceremony. Guests are asked to remain seated until the platform party, faculty and graduates have recessed. Your cooperation is appreciated.
The concourse level is reserved for handicapped-accessible seating. The stage is reserved for the platform party, senior administrators and faculty.

SIGN LANGUAGE INTERPRETERS
Sign language interpreters will be visible on the west side of the stage. For best viewing of the interpreters, sit in section 101.

SOCIAL MEDIA
For pictures and ceremony information, follow Binghamton University on Facebook, Instagram, Twitter and Snapchat.
### REGALIA HOOD COLORS

#### GRADUATE CEREMONY

**Doctoral Degrees**

<table>
<thead>
<tr>
<th>Dark Blue</th>
<th>(PHD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apricot</td>
<td>(DNP)</td>
</tr>
<tr>
<td>Light Blue</td>
<td>(EDD)</td>
</tr>
</tbody>
</table>

**Master's Degrees**

<table>
<thead>
<tr>
<th>Drab</th>
<th>(Business, Accounting, Mgmt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>(Arts and Humanities)</td>
</tr>
<tr>
<td>Orange</td>
<td>(Engineering)</td>
</tr>
</tbody>
</table>

#### CCPA/GSE CEREMONY

<table>
<thead>
<tr>
<th>Light Blue</th>
<th>(Education)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peacock Blue</td>
<td>(Public Administration)</td>
</tr>
<tr>
<td>Citron</td>
<td>(Social Work)</td>
</tr>
</tbody>
</table>

#### DECKER SCHOOL CEREMONY

| Apricot         | (Nursing)                    |
ALMA MATER

IN THE ROLLING HILLS OF BINGHAMTON

Words by Xin Engel, music by David Engel ’86, arrangement by Daniel Fabricius

In the rolling hills of Binghamton
’Neath everchanging skies
Where two gently flowing rivers meet,
We form our cherished ties.

Together we spend these years,
United in our aim.
Through our bold pursuit of excellence,
We proudly bear your name.

Chorus:
O Binghamton, we carry thee
With us for all our time
And through us individually
Forever may you shine.