

REED COLLEGE

ONE
HUNDRED
AND
FOURTH
COMMENCE-
MENT
MONDAY
MAY 14
2018

The Program

PROCESSIONAL*

INTRODUCTORY REMARKS

John R. Kroger, President

WELCOME

Roger M. Perlmutter '73, Chairman, Board of Trustees

ALUMNI WELCOME

Lisa Saldana '94

REED COLLEGIUM MUSICUM

"Her Beacon-Hand Beckons" from *To the Hands*
Caroline Shaw (b. 1982)

COMMENCEMENT ADDRESS INTRODUCTION

John R. Kroger, President

ADDRESS

Preetha Rajaraman '94

CONFERRING OF THE DEGREE OF BACHELOR OF ARTS

John R. Kroger, President

CONFERRING OF THE DEGREE OF MASTER OF ARTS IN LIBERAL STUDIES

John R. Kroger, President

RECESSIONAL*

MARSHALS

Commencement Marshal

Jeffrey Parker, George Hay Professor of Economics

Student Marshals

Arthur Glasfeld, Amgen-Perlmutter Professor of Chemistry
Matt Pearson '92, Professor of Linguistics

Faculty Marshals

Kathryn C. Oleson, Professor of Psychology
Kristen G. Anderson, Associate Professor of Psychology

** The audience is requested to rise for the processional and recessional.*

Please remain in place during the recessional until the faculty and class of 2018 have left the tent. Sign language interpretation is provided by Access Services Northwest. Our bagpiper is Mark Mullaney. Graduates and guests are invited to a reception after the ceremony in the Gray Campus Center Quad.

Preetha Rajaraman '94

Dr. Preetha Rajaraman is the U.S. Health Attaché for India and Regional Representative for South Asia. She is responsible for regional representation, monitoring, and coordination of the policy, programs, and research interests of all United States Department of Health and Human Services (HHS) agencies, including the National Institutes of Health, the Centers for Disease Control and Prevention, and the Food and Drug Administration, as well as for coordinating HHS activities with other US government agencies engaged in life sciences, health sciences, product safety, public health, and social policy.

Earlier in her career, Dr. Rajaraman held the position of South Asia Program Director for the Center for Global Health at the National Cancer Institute (NCI), and before that she was an intramural investigator at NCI's Division of Cancer Epidemiology and Genetics. Her work leading the development, oversight, and evaluation of regional programs for cancer research and training was recognized by the NCI Director's Award for exceptional leadership in marshaling trans-NCI collaboration to foster cooperation in cancer research between scientists in the United States and India.

Dr. Rajaraman's research on genetic susceptibility factors and their interaction with known or suspected environmental carcinogens has resulted in over 100 peer-reviewed articles in international journals. She previously served on the scientific advisory committees of the International Brain Tumor Epidemiology Consortium and the U.S. Childhood Cancer Survivor Study. She is currently an expert member of Committee 1 (Biological Effects) of the International Commission of Radiation Protection and serves on the advisory board of the Mumbai South East Asia Regional Registry hub for the International Agency for Research in Cancer .

Dr. Rajaraman received a bachelor of arts degree in biology from Reed College in 1994. She received a master of science degree in environmental health from the University of Washington and a PhD in epidemiology from the Johns Hopkins School of Public Health.

Music by Columbia Brass

Greg Garrett & Craig Gibson, trumpets
Mike Hettwer, horn
David Bryan & Jack Quinby, trombones

PRELUDE

Overture, Sicilienne and La Rejouissance
from *Music for the Royal Fireworks*
George F. Handel (1685–1759)

Souvenir de la Havane
Louis Moreau Gottschalk (1829–1869)

Hail Columbia, Lilly Lee, Prima Donna Waltz, Maggie by My Side
from *American Brass Band Journal*
G.W.E. Friedrich (1821–1882)

PROCESSIONAL

March Imperial
Wilford E. Holcombe (1924–2010)

RECESSIONAL

Trumpet Voluntary
John Stanley (1712–1786)

Collegium Musicum

JOHN K. COX

Visiting Assistant Professor of Music

Soprano

Io Blanchett '20

Kate Ehrenberg '20

Alyssa Feigelson '21

Nina Matthews '20

Lyn Peterson '20

Ellery Sloane-Barton '18

Alto

Apoorva Mangipudi '21

Maya Nesbitt-Schnadt '20

Jules Oh '20

Lucy Sagoo '21

Tenor

Thomas A. Barr '20

Sebastian Bishop '21

Jay Lee '19

Jack Ren '21

Sam Griffin-Ortiz '19

Bass

Matt Jarvis '21

Ruairi O'Mahony '20

Gregor McGee '18

Nico Terry '17

Edward Zhu '19

"Her Beacon-Hand Beckons"

Text adapted by the composer in response to the 1883 sonnet
"The New Colossus" by Emma Lazarus, which was mounted on the
pedestal of the Statue of Liberty in 1903

Her beacon-hand beckons:

give

give to me

those yearning to breathe free

tempest-tossed they cannot see

what lies beyond the olive tree

whose branch was lost amid the pleas

for mercy, mercy

give

give to me

your tired fighters fleeing flying

from the

from the

from

let them

i will be your refuge

i will be your refuge

i will be

i will be

we will be

Graduating seniors are listed alphabetically under each of Reed's five academic divisions, followed by interdisciplinary majors that cross the divisions and master's graduates. The listing includes the academic department in which the student majored and any concentration within that major (noted by a colon). The title of the student's thesis is listed, except for students who completed one of Reed's combined degree programs in place of the thesis year at Reed.

The Arts

BENJAMIN JOSEPH BARAN

Music
Pieces

EDEN RACHEL CHINN

Art
Am I a Stereotype? Self-Representation, Social Media, and Corporate Surveillance

LIANA WEINBERG CLARK

Art
Love: The Passing of Time

CALEB JOSIAH CODDING

Art
Coming Together: Community-Building and Queer Inheritance

AUTUMN B. GINTY-WHEELER

Theatre
Moving Between Nightshade and Sunlight: Transformative and Violent Representations of Disability in Performance and Protest

OLIVIA ROSE HASENCAMP

Dance
(Re-)Membered Intimacies / A Reaffirmation of the Body as Knowledge

ZHE LI

Art
Mirror, Finger, Transformation: Understanding Relics Through Famen Temple Crypt

K. KAWIKA MCAFEE

Theatre
The Secret Life of Puppets: Ritual Aspects of Puppetry

KATELIN ANNABELLE BLUE MCCALL

Art
Material Collaborations

AVA I. MCRITCHIE

Art
PARA FASHION: An Auxiliary Mode to the Contemporary Hyper Fashion System

SIDRA NATALIA MORGAN-MONTOYA

Dance-Theatre
Sueños Americanos: an american dream Counterhegemonic Narrative Strategies of Queer Performers of Color

SHILOH DREAMSTAR SIDNEY SCHATZKAMER

Art
Windchime Pantomime: Painting Song & Myth

MACKENZIE SIMONE SCHULLER

Dance
Expanding the Corporeal Self: Using Dance Improvisation to Cultivate Intimacy and Heighten Physical Perception

EMLYN FAGER THOMPSON

Art
Nouveau galley: the white box re-imagined

SOMERSET ROSE CAROLINE THOMPSON

Theatre
Anything You Can Do, I Can Do Gayer: The rock musical as a reach towards queer utopia

YIYANG WANG

Music
Sketches of Motion: A Woodwind Quintet in Five Movements

ABIGAIL JANE WATT-
ACCIACCA

Theatre

Mysterious, Inchoate, and Out of Sight: The Queer Directorial Process

MAKAI VICTORIA WILSON-
CHARLES

Art

Identity Architecture

DANIEL TOMAS WOODRUFF

Music

The Role of Generic Structure in Musical Analysis: Understanding Mulgrew Miller's Improvisation

RIKA ELLEN YOTSUMOTO

Dance

meat of the matter

History & Social Sciences

AIDAN H. ANDERS

Political Science

A Strategic Take on American Politics

BRITA CAROLYN AVERY

Anthropology

I Liberated Myself from Mass Media Hegemony through Memes or, A Practical Analysis of Tactical Media through the Mediums

CLAIRE SANDERS BAKER

History

Inserting the Political Back into the 1968 Revolution in France: An Examination of the Activist Paper *Action*

JOSEPHINE DOROTHY BAKER

Economics

What to Expect When You're Expecting Expectations: The Past, Present and Potential Future of Mid-Run Fluctuation Models

EMILY JOY BARR

Sociology

Co-opting the Co-op?: A Study of Comparative Identity Expression and the Intrusion of Market Logics in Portland, Oregon, Credit Unions

ELEANA AURORA BINDER

Sociology

Beyond NIMBYism: Neighborhood Associations' Responses to Homelessness

WALKER K. BOLAN

Sociology

The Association of Gender and Fitness

JESSE TALMAN BOSS

History

From Saucers to Sputniks: The UFO Phenomenon in American Cultural Awareness, 1945-1960

ZACHARY NATHANIEL SCOTT
BOWLES

History

A Dope History: The History of the First Federal Narcotics Laws in the United States Between 1880-1925

ALEXANDRA KELLY BOYD

Sociology

Ethnic Studies in the United States School System: Emergence and Institutionalization

IAN GORDON BUCKMAN

History

Down to Their Level: The Logic of Savagery and American Mutilations of Japanese War Dead

ANNELEISSA MARIE
COEN

Sociology

Mandingueiras: Women's Participation in Capoeira in Bahia, Brazil

NATALIE BETH CONDON

Anthropology

Labor Relations: Transnational Commercial Surrogacy in Cambodia

LAURA MARIE DALLAGO

Economics

A Case Study of Employment
in Morocco

HENRY DAVID DEMARAIS

History

The Rise of Modernism in
Postrevolutionary Mexican
Art Music

ELEANORE GRACE DENEGRÉ

Sociology

Gender, Race, and Artificial
Intelligence

VIRAJ SAMIRKUMAR DESAI

Anthropology

Out of the Ashes of a Pyre:
Representing and Creating
Figures of Agrarian Distress in
Maharashtra

SETH MUIR DOUGLAS

History

"It's Probably Going to be Women
Who Aren't Afraid to Swim
Against the Stream": Seattle's
Electrical Trades Trainee Program
and the Expansion of the Working
Class, 1974-1983

KRISTIAN EDWARD DROSTE

Economics

Health Warning Labels: A Tool
to Help Reduce the Misuse of
Recreational Cannabis

HELEN CATHLEEN EDELMAN

Political Science

Putting the "I" in Psychiatry:
The Politics of Madness in the
Neoliberal Age

MODUPEOLUWA ADUKE

FASAWÉ

Economics

Demographic Dividend and the
Prognosis for Nigeria

NATHAN L. FELDMAN

History

Theorizing and Confronting
Cultural Difference: England's
Struggle for Diplomacy on
Virginian Shores

PATRICK JOSEPH GRAHAM

History

Biopolitics and the History of
the American Electronic Data
Processing Industry

MONIKA KRASSIMIROVA

GROUEVA

Economics

Kiss Kiss Bang Bang: An
Exploration of East Central
Europe's Relationship to the
Global Illicit Arms Trade

AKSHAY KUMAR HARIPRASAD

Anthropology

"You Are That I Am": Auto-
ethnographic Explorations of
Mindful Subjectivity in America

PEDRO TOFUA HENRIQUES

DA SILVA

Economics

People, Place and Pulse: How
Relational Goods Affect
Happiness

MAURICIO HERNANDEZ

Economics

How Much Can I Give to Help?
The Interaction Between the
Political Cycle and Contributions
to Nonprofit Organizations

JESSICA LEIGH HUTCHISON

Anthropology

Utang na loob: The Politics of
Language and the Figure of the
Local Domestic Worker in the
Philippines

COOPER CARIANI JACKSON

Economics

An Empirical Analysis of
Mobility Effects on Interstate Tax
Competition

LUKE GABRIEL JILKA

MASKARINEC

History

World Bank Water Policy:
Development, Neoliberalism,
and Water Privatization in Chile
and Bolivia

DANIEL BOGUSLAW
KAUFMAN

Political Science
Communization, An Infantile
Reorder: Prospects For
Revolution In The Theory
of *Endnotes*

RYAN ELYSE KEITHAHN

Economics
Immigration and Its Discontents:
The Empirical Determinants of
the Influence of Immigration on
International Trade

EMILY KING

Political Science
Targeted Treaties: A Look at the
Legal Fight for Indigenous Rights
in Latin America

EDWARD SOLOMON KROPP

Economics
Evaluation of Operational
Efficiencies of Multichannel
Retail SMEs in Pacific Northwest
via Data Envelopment Analysis

KRISTINA KUTATELI

Political Science
Reciprocity, Escalation, and
Indiscriminate Violence: A
Micro-Level Analysis of Conflict
Dynamics in Ukraine

TAYLOR JAMES LA PRAIRIE

Economics
Food Deserts, Transportation,
and the Uptake of Dollar-for-
Dollar SNAP Matching Programs
at Farmers Markets in Portland,
Oregon

SYDNEY VIRGINIA LEWIS

Sociology
Pain in the Assessment:
Physicians Navigating Ambiguity,
Defining Roles, and Reacting
to Media Attention during the
American Opioid Epidemic

CHAD MALCOLM

History
Things Done Changed: A Critical
Exploration of Gangsta Rap

DENIKA JEAN MARTIN

History
A Hawaiian History of
Education; Mo'olelo and the
"Steel Tipped Pen"

KAITLIN ASTRID MCKINNON

History
Punching Hitler in the Face:
Navigating Representation and
Identity in Superhero Comics

REBECCA JEAN MELLSTROM

Anthropology
Transforming American
narratives: immigration as a locus
of pedagogical reform

SABRINA ROSE NELSON

Sociology
The Making of a Menstrual
Movement: Online
Counterpublics of Epistemological
Activism and Support

JENNA ELIZABETH NOROSKY

Political Science
Speaking About the Unspeakable:
Constructions of Masculinity in
the Bosnian Genocide

EIRA MARGARITA NYLANDER
TORALLAS

Sociology
Respétame: An Ethnographic
Analysis of Perceptions of Sexual
Consent Amongst Young Women
in Madrid Nightlife

MARJORIE MEI OXLEY

History
The Last Mandarin:
Problematizing Authenticity in
Chinese-American Cuisine during
the 20th Century

ADAM ZACHARY PEASE

History
Eyes for the Air

SAMUEL THOMAS PLECHOT
BINDER

Economics
An Economic Analysis of
Affordable Housing Policies in the
San Francisco Bay Area

JANYL DJINU POWELL
Sociology
The Tribal Gaming Tax: An
Analysis of Gaming Taxation in
the United States

MALCOLM JAN RAGAN
Political Science
The Authoritarian Possibility of
Political Ecology

CONNOR RESNICK
Economics
How the Balloon Popped: An
Empirical Analysis of the "Balloon
Effect" in the Eurasian Market for
Poppy Cultivation

GABRIEL T. RICHARDSON
Political Science
Mobile Politics: The
Political Determinants of
Market Competition in the
Latin American Wireless
Telecommunications Industry

SOPHIE R SPENCER-ZAVOS
Anthropology
"You say 'Palestine' and people just
say 'Oh, it's too complicated';
Queers Against Israeli Apartheid:
Disruptions and (Re)articulations
of Canadian Nationhood in Pride
Toronto 2010

RUDYARD LOUIS SUMMERS
Political Science
The Only Winning Move Is Not
To Play: An Analysis of North
Korean Nuclear Behavior

SHAUNA CAROLYN SWITZER
Political Science
Locke and Key: Felon
Disenfranchisement and American
Liberalism

DALIYAH JADE TANG
Anthropology
The Figure of Northern Cheyenne
Meth User and the Obfuscation of
Settler-Colonial Violence

JOLON RICHARD TIMMS
Anthropology
Futuristic Globalisms: On the
Possibility of Modernity in
Imperial Ruins

NOAH KINCAID TRUESDALE
Political Science
Courting The Public: Explaining
Judicial Behavior Within Courts
of Last Resort

OPHELIA EKATERINI VEDDER
Political Science
Sexual Assault and the Limits
of Consent: An Investigation
into Schools' Sexual Misconduct
Policies

PATRICIA ANNE WATSON
Economics
Harmony and Havens:
Perspectives on Tax Havens
and Tax Harmonization in the
European Union

MARY HELEN WICHER
History
*Para la preservación de nuestra
patria: For Preservation of Our
Country: Californianas and Land,
Marriage, and History in 19th and
20th Century California*

CHRISTY JO WILLIAMS
Anthropology
"A New Sun of Liberty over
Macedonia": Ethnic Nationalism
and the Contested Space-Time of
the Macedonian Nation

KATHERINE JAYUN ZHENG
Sociology
Defining and Maintaining Place
for Multiethnic Communities:
The Role of Non-Profit
Organizations in the Prevention of
Gentrification in Portland's Jade
District

Literature & Languages

AKRISH ADHIKARI
French
*Chanel avant Coco: The Literary
Genealogy of the Female Dandy*

ZACHARY LAURENT
BEAUREGARD

English

The Once and Prior King:
an Analysis of King Arthur
in Medieval Literature as a
Representative of the
Inaccessible Past

EMILY ELISABETH BEEZHOLD

Russian

"In Memory of Memory": The
Poetry of Maria Stepanova

MIA BURCHAM

English

His Own Live Body: Embodied
Authority in the Literature of the
American Civil War

JOSHUA NICHOLAS
BYRON-COX

English

Where Neely and Mosley Meet:
Tracing a Genealogy of the Black
Detective Persona

OLIVIA ELLA CHURCHWELL

Classics: Language and
Literature

The Politics of Sacrifice:
Re-examining Iphigenia

ERIKA MICHELLE ENGE

English

THE DEFEAT OF THE
TRANSLATOR

MALIN FRANCES FRAZEL

Comparative Literature

Nora's Translingual Lineage:
Representing the Feminine in
Modernist Chinese Literature

SARAH JEAN KARCHER
GELVIN

English

The Promise and Perils of
Changing Forms in Two Works by
Angela Carter

CLARA SOFIA GROSS

English

Cuckoo: A Study of Madness in
Ken Kesey's *One Flew Over the
Cuckoo's Nest* Observed through
R.D. Laing's *The Politics of
Experience*

W. GRIFFIN HANCOCK

Classics: Language and
Literature

Ego Mulier: The Construction of
Sacred Gender Non-Conformity
in the Roman Empire

CAROLINE ANNE HOLT

French

Le "moi" pur est
inconcevable: Annie Ernaux's
autosociobiography

MICHAEL KAPLAN

English

machines of loving grace

GWYNNE MCCONWAY
LEAVITT

English

The Mars Trope in Twentieth-
Century Science Fiction: Identity
and Society on a Black Red Slate

TAYLOR LEE

Spanish

Reflections on the Failures of
Cinematic Modernity: An Analysis
of *Memorias del subdesarrollo*
and *Invasión*

BRANDON PAPPAS MARROW

Russian

Life as on the First Day of
Creation: Historical and Poetic
Myths about the First Soviet
Agricultural Commune in Altai

EMMET ALEXANDER MARTIN

English

Unspoken

THOMAS LLOYD MAUDE-
GRIFFIN

Comparative Literature

The Unsettling Opacity of
Beckett's *The Unnamable* and
Fanon's *Black Skin, White Masks*

CAROLINE FRANCES
MCCULLOCH

English

Letting Bones Dance:
'Re-Membering' Specters of Slavery
in Southern Gothic Literature

LOUIS WILSON MENDES

English

Poetic Form in Relation to
Fideistic Truth in the Works of
the Gawain-Poet and in Chaucer's
House of Fame

ALEXANDER DELGADILLO
MOSES

English

"My house is constructed of dream-
fabric": Desire in selected short
fiction by Zora Neale Hurston,
Jessie Fauset, and Dorothy West

LINA RAE NEIDHARDT

Classics: Language and
Literature

Sulpicia on Her Own Terms

SERENA NICOLE
OFFENBAKER

English

Belly Up, Then Float

RACHEL G. OSBORN

English

The Beckettian Text

AARON SAUL POSNER

English

Jews in Space: Instability and
Security of Diasporic Place, Space,
and Home in Jewish-American
Literature

COSTANZA GRACE RASI

Classics: Language and
Literature

Theatricality in Tacitus' Neronian
Annales

FIONA ROCKWELL

Russian

Cutting the Roots of Oppression:
Exemplary Fictions in Krest'ianka,
1947-1948

JENNA JANE ROUTENBERG

English

Patchwork: Essays

ZOE SMITH SENISE

Comparative Literature

Radical Romantics: Feminist-
Abolitionist Fiction in 19th
Century Cuba and Brazil

AMANDA MARION SHORES

French

Between Reality and Fiction:
Transgressing Social and Gender
Borders In Fiction and Culture of
the French High Middle Ages

ANTONIA SOPHIA NALISNIK
SILVA

English

LA LOTERÍA

QUINN HASBROUCK
SPENCER

Spanish

Mapuche Poetry as Resistance
Against Hierarchical Spaces

ELIZABETH ELKIN STALLINGS

English

The Crises of Our Times: An
Examination of the Two-Worlds
Model in *A Confederacy of Dunces*
by John Kennedy Toole

ALLISON LEIGH TARDIO

English

The Meticulous Mockery: The
Critical Use of Mock-Gothic in
Jane Austen's *Northanger Abbey*
and Lemony Snicket's *A Series of
Unfortunate Events*

OLIVYA DAISY VEAZEY

English

Unenclosures

CHRISTINE OLIVIA WETZEL

English

Loving Land: The Environmental
Ethos in American Nature Poetry

JESSICA ARABELLA AUDREY
WOLFSOHN

Comparative Literature

Aesthetics and Asceticism: God,
Self, and Nation in Mikhail
Nesterov's Saint Sergius Cycle

WILLIAM YOUNG WU

Classics: Language and
Literature

Superbia and the Roman Disease
in Sallust's *Bellum Iugurthinum*

SEBASTIAN MATTEO ZINN

Comparative Literature
Equivocal Signs: Thomas
Pynchon's *The Crying of Lot 49*

Mathematics & Natural Sciences

MEAZA DAWIT ABATE

Computer Science-Mathematics
A Runtime System and Translator
for a Concurrent Language

ALEXANDER THEMBA
ABRAHAMS

Physics
Substitution of a Carrier in
ferrofluid

HULALI GRACE PUA'A
ALFORD

Biology
*"Is it just me or is it getting a little
hot in here?"* The Effects of Rising
Temperatures on the Survivability
of *C. reinhardtii*

KENJI WANG ARAI

Physics
Effect of Distinguishability on
Multi-Parameter Estimation in
Multiple Photon Interferometry

ELIZABETH ARELLANO

Physics
Dynamic Modeling of Binary
Black Hole Systems and
Cygnus X-1

MAGGIE HOSAY ASHER

Chemistry
Harnessing Light: Synthesis of a
Polymeric DASA

SHANNON KYLE BACHELLER

Biology
A Preliminary Study in the Gut
Microbiome of *Astatotilapia
burtoni*, the Mouthbrooding
Cichlid

REVANT BAGARIA

Computer Science-Mathematics
An Exploration of Textual
Similarity in Academic Literature
on Computer Systems

BRIAN LANGSTON BARRETT

Computer Science-Mathematics
Deriving Coinductive Types in
Univalent Type Theory

SKYE RYOTA BINEGAR

Mathematics
A Mean Bean Machine: Ehrhart
Theory and Cyclic Polytopes

BENJAMIN JAMES BLACK

Computer Science-Mathematics
Efficient Parallelism Detection for
Heterogeneous Computing

CLAUDIA VERONICA BOSCH

Biology
Investigating the Potential Cross-
Species Inhibition of Telomerase
by PinX1

SARAH MARIE BRODESSER

Biochemistry and Molecular
Biology
An Investigation of the Effect of
Methionine and Histidine Ligands
in Facilitating the Cu(I) Transfer
Reaction Between CusB and CusF
in *Escherichia coli*

SEAN BURKE

Biology
An Automated Device for
Conditioning in *Astatotilapia
Burtoni*

ZACHARY SEAN CAMPBELL

Mathematics
The Hungarian Algorithm and the
Primal-Dual Method

KEALYSSA MAKANAALOHA
CASTILLO-MARTIN

Computer Science-Mathematics
Bridging Natural Language
and Logic Automatically: From
Formal Grammars to SMT Solvers

MATTHEW CHAU

Physics
Analyzing 3-Point Symmetric
Contacts of Photoelastic Disks

THANH HA CHU

Chemistry
Elucidating the Time-Resolved
Photoluminescence Properties of
Carbon Dots

ORION ARCHER COHEN

Chemistry
Hot Rocks in Space: Verifying
Onset Processes in the Thermal
Metamorphism of Unequilibrated
Ordinary Chondrites

GIOVANNI REN-ZHONG CORTI

Physics
Avalanches in Granular Material

ALI OSMAN COX

Physics
Designing a New Type of Sail for
Monohull Sailboats

JAVIN DE MELLO-FOLSOM

Biology
Effects of *VTC2* and *GME*
Overexpression on *Medicago*
truncatula Drought Tolerance

AMELIA BOONE DUNN

Physics
Combined Program, Columbia
University

TRENTON ROSS FREEMAN

Computer Science
Memory Consistency in the
Internet of Things: Is that lock
really locked?

ELIAS HASTI FRIEDMAN

Physics
Modeling the Springductor

IAN MICHAEL FRIES

Physics
Massless, Charged Scalar Fields

MIA SCOTT GALBRAITH-LISS

Biochemistry and Molecular
Biology
Investigations into BosR, a *Borrelia*
burgdorferi DNA binding protein

ELIOTTE EILEEN GARLING

Biology
Turning a New Phage

GUANANÍ M. GÓMEZ-VAN
CORTRIGHT

Biology
Tales from the Rhizosphere:
Effects of Polyploidy on Rhizobial
Symbiosis

ALEXANDER H. W. GRANT

Computer Science-Mathematics
3D Sandpiles and Efficient
Computation of the Circular
Sandpile

DASHIEL GRUSKY

Chemistry
Molecular Building Blocks:
Peptide Self-Assembly and
Pigmentation

CHRISTOPHER ALLAN HALE

Physics
Tracking Resonances of Dark
Matter Particles in Frequency
Maps of a Galaxy Simulation

FARHANUL HASAN

Physics
Into the Void: Mass Function of
Supermassive Black Holes in the
local universe

NATALIE KAY HAWKINS

Biology
Optimization of Microbe-Plant
Consortia for *in situ* Heavy Metal
Bioremediation

CHRISTOPHER JAMES
WALSH HENN

Mathematics
The Modular Flow in Three
Homeomorphic Spaces

JESYCA ALEXANDRA
HERNSTADT

Chemistry
Couches on Fire! Polybrominated
Diphenyl Ethers and Your
Form Room

THOMAS THIEN-AN HOANG

Biochemistry and Molecular
Biology
Production of the *Helicobacter*
pylori Neutrophil Activating
Protein A (NapA) in
Escherichia coli

ANDIE NAMIE ANUHEA
KAWAKAMI HOSHIJO

Computer Science
Solving Fuzzy-Logic Problems
with SMT Solvers: Or, How
Rice Cookers Relate To Happy
Roommates

DONG HWAN IM

Biology
Indirect Targets of Retinoic Acid
in Retinogenesis

DENIS SERGEEVICH IVANOV

Biology
Everybody Fights: Assessing
Social Dominance in the Females
of a Lekking Cichlid Fish,
Astatotilapia burtoni

PALAK JAIN

Computer Science-Mathematics
Oblivious Data structures

CECILE-EMMANUELLE

AHIPEAUD KENNY

Biology
A comparative assessment of shoot
growth and seed set between
diploid and tetraploid *Arabidopsis*
under saline stress

JESSE KIM

Mathematics
Divisor Theory of Simplicial
Complexes

NATHANIEL ELLIOT KLEIN

Biology
Retinoic acid and the
differentiation of retinal stem cells

DAVIS ALEXANDER KUSNICK

Chemistry-Physics
Characterizing the Elastic
Responses of Double Stranded
DNA Through Direct Observation
Atomic Force Microscopy

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A Note on the Beginnings of Reed College & Commencement

In the late 1800s, the Reverend Thomas Lamb Eliot suggested to two of his parishioners, Oregon pioneers Simeon and Amanda Reed, that they use their wealth for the betterment of society. He urged them to found “a Reed Institute of lectures and arts and music and museum.” In 1908, with contributions from Simeon and Amanda’s estate after their deaths, a board of trustees led by Eliot established the Reed Institute in Portland, Oregon.

Reed College began its first classes in 1911 with 50 students—26 men and 24 women—and 15 faculty members. As an innovative experiment to restore relevancy to the liberal arts in an age dominated by science and industry, Reed sought neither the size and specialization of the university nor the intercollegiate athletics and elaborate social life that had become standard at many private colleges.

Under the inspiration and guidance of Reed’s founding president, William Trufant Foster, the college set out to build a democratic community without regard for nationality, gender, religion, race, or class. No fundamental distinctions were made between students and faculty in what was called “the quest for truth.” Students were expected to do original work in a major subject area—the senior thesis. A principle of honor governed all aspects of campus life.

Reed held its first commencement ceremony in 1915, for which President Foster conferred degrees on the back steps of Eliot Hall. In the last few decades, the college has usually invited a notable graduate to give the commencement address; recent alumni commencement addresses have been given by Kathleen Saadat ’74, Igor Vamos ’90, Jennifer Ferenstein ’88, Robert Smith ’89, Larry Sanger ’91, and Michelle Nijhuis ’96.

For over a hundred years Reed has remained steadfast in its belief in the intrinsic value of rigorous scholarship, the joy of serious intellectual pursuit, and the essential role of community in the development of knowledge.

A Note on Academic Regalia

Academic regalia worn at commencement reveal different types of academic achievement through the use of different styles and colors of gowns and hoods. The bachelor’s gown has a long, pointed sleeve; the master’s is a long closed sleeve with a slit at the elbow; and the doctor’s is a very full, bell-shaped sleeve with the bands matching the color of the gown opening. The hoods are lined in the official color of the institution that conferred the degree, although the bachelor’s hood is rarely used. The colored velvet binding in the hoods indicates the academic area in which the degree was earned—white for liberal arts, yellow for science, purple for law, red for theology, green for medicine, and blue for philosophy.