



DOCTORAL HOODING CEREMONY

**CONFERRAL OF DOCTORAL DEGREES
FOR THE CLASSES OF 2019-2020 AND 2020-2021**



**MAY 11, 2022
UCLA ROYCE HALL**

As a land grant institution, UCLA acknowledges
the Gabrielino/Tongva peoples as the traditional land caretakers
of Tovaangar (Los Angeles basin, So. Channel Islands).

A live webcast and video recording of today's ceremony is/will be available at:
grad.ucla.edu/hoodingwebcast

Post your impressions, experiences and photos today using the hashtags
[#uclahooding](#) [#UCLA2022](#)

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MESSAGE FROM THE CHANCELLOR



Dear UCLA Graduate:

Congratulations, Classes of 2020 and 2021!

Today's doctoral hooding ceremony is a landmark moment in your journey — a day to remember and to celebrate with friends, family members, mentors and fellow graduates. I am grateful we can finally host this celebration after two years of being unable to mark the milestone in person.

Earning a doctoral degree is a remarkable accomplishment at any time. But earning it during the pandemic is truly extraordinary. In the midst of great challenges — emotional and mental as well as physical — you persisted, you pursued, and you made major contributions not only to academics at UCLA, but to academia at large.

You now join generations of distinguished Bruin alumni who imagine, create, lead and, most importantly, serve. What you do with this degree matters. It is more than a diploma to hang on your wall or a step on your career path. It is an invitation to use your brilliance, knowledge, and abilities to advance your field, spread understanding and improve the world around you.

This commemorative event is as significant for UCLA as it is for you. You are woven into our 103-year history and your achievements will reflect back on our institution in the years to come. We are proud of your accomplishments and we anticipate great things ahead.

You have forged strong relationships here, many of which will last a lifetime. Keep in touch with your fellow Bruins, and don't forget to make full use of the resources available to you as UCLA alumni. Remember that you're always welcome to return and visit our campus.

Classes of 2020 and 2021, today is a day to cherish. Enjoy and celebrate it to the fullest, and know that you have greatly enriched UCLA, your communities and your disciplines. I wish you much happiness — and the very best of luck.

Sincerely,

A handwritten signature in black ink that reads "Gene D. Block". The signature is written in a cursive, flowing style.

Gene D. Block
Chancellor

MESSAGE FROM THE DEAN OF GRADUATE EDUCATION

Dear Graduate:

Welcome to today's doctoral hooding ceremony! The entire UCLA community celebrates your accomplishments and applauds the effort, perseverance, talent, and commitment that have enabled you to reach this extraordinary milestone, earning the title "Doctor."

Each of you has developed exceptional mastery of your academic field. Through your scholarship, research and creative endeavors, you have made unique contributions to the body of human knowledge, pushing back the frontiers. You are accomplished artists and entrepreneurs, engineers and scientists, humanists and teachers. Each of you is poised to lead, to inspire, and to change the world.



On behalf of every faculty member who has come to know you through teaching and research, it has been a joy for all of us to mentor you and see you develop as scholars. We appreciate the sacrifices you have made and thank those who have supported you along the way. We can't wait to see what you do next.

Congratulations to all of our 2019-2020 and 2020-2021 doctoral degree recipients!

With very best wishes for a fulfilling life of the mind, spirit and heart.

A handwritten signature in black ink, which appears to read "Susan L. Ettner".

Susan L. Ettner
Dean of Graduate Education

PROCESSIONAL ORDER

Interim Executive Vice Chancellor and Provost

Dean of Graduate Education

Deans

Associate Deans

Faculty

Candidate Processional Marshals

Candidates for the Degrees of:

Doctor of Philosophy

Doctor of Education

Doctor of Environmental Science and Engineering

Doctor of Musical Arts

Doctor of Nursing Practice

Doctor of Public Health

DISTINGUISHED GUESTS

REGENTS

John A. Pérez, *Regent, University of California*

ORDER OF PROCEEDINGS

Guests are requested to remain seated during the academic procession and recessional.

PROCESSIONAL

Christoph Bull, *Organist*

WELCOME & REMARKS

Yatta Kiazolu, *History*
Degree Candidate Processional Marshal

Jean Paul Santos, *Electrical & Computer Engineering*
Degree Candidate Processional Marshal

CALL TO ORDER

Michael S. Levine
Interim Executive Vice Chancellor and Provost

GREETINGS AND INTRODUCTIONS

Susan L. Ettner
Dean of Graduate Education

KEYNOTE

Susan L. Ettner
Dean of Graduate Education

CONFERRAL OF DEGREES

Michael S. Levine
Interim Executive Vice Chancellor and Provost

PRESENTATION AND HOODING OF THE CANDIDATES

Readers & Hooding Marshals

SALUTE TO THE GRADUATES

Michael S. Levine
Interim Executive Vice Chancellor and Provost

CLOSING REMARKS AND RECESSIONAL

Susan L. Ettner
Dean of Graduate Education

FACULTY MARSHALS

HOODING MARSHALS

Onyebuchi Arah, *Associate Dean, Graduate Division and
Professor, Department of Epidemiology*

Eric Bullard, *Dean, Continuing Education and UCLA Extension*

Adriana Galván, *Dean of Undergraduate Education and
Professor, Psychology*

Brian Kite, *Interim Dean, School of Theater, Film, and Television and
Professor, Theater*

Marissa López, *Associate Dean, Graduate Division and
Professor, English and Chicana/o & Central American Studies*

Renate Lux, *Associate Dean, Graduate Division and
Professor, Dentistry - Periodontics*

READERS

Jessica Cattelino, *Chair, Academic Senate and
Professor, Anthropology*

Darnell M. Hunt, *Dean, Social Sciences and
Professor, Sociology and African-American Studies*

David C. Schaberg, *Dean, Humanities and
Professor, Asian Languages & Cultures*

DEGREE CANDIDATE PROCESSIONAL MARSHALS

Yatta Kiazolu, *History*

Jean Paul Santos, *Electrical & Computer Engineering*

NOMINEES

Desiree Balfour, *Choral Conducting*

Stephen Karr, *Orchestral Conducting*

Yatta Kiazolu, *History*

Todd Kushigemachi, *Film and Television*

Alyssa Matthias, *Ethnomusicology*

Mike Hoa Nguyen, *Education*

Tunette Powell, *Education*

Jean Paul Santos, *Electrical & Computer Engineering*

Jenna Tamimi, *Theater and Performance Studies*

THE 2019-2020 DOCTORAL CLASS

UCLA has awarded 35,505 doctoral degrees since 1939.

A total of 678 doctoral degrees are being awarded this year.

42% Female, 58% Male

Average age: 30 years old

The youngest graduate is 21 years old. The oldest is 70 years old.

Six different degree types:

Doctor of Philosophy
Doctor of Education
Doctor of Environmental Science & Engineering
Doctor of Musical Arts
Doctor of Nursing Practice
Doctor of Public Health

82 different graduate programs

Engineering is awarding the most degrees (161; 23.7%), followed by Physical Sciences (115; 16.9%), Social Sciences (97; 14.3%), Life Sciences (77; 11.3%), Education and Information Studies (65; 9.6%), Humanities (53; 7.8%), Health Sciences (28; 4.1%), Public Health (25; 3.7%), Nursing (20; 2.9%), Music (11; 1.6%), Public Affairs (7; 1%), Management (7; 1%), Theater, Film and Television (5; 0.7%), Arts & Architecture (5; 0.7%), and Basic Biomedical Sciences (2; 0.3%).

Data are valid as of June 2020.

CLASS OF 2019-2020 DEGREE CANDIDATES

Major/Dissertation Chair & Co-Chair (when applicable)
Dissertation Title

DOCTOR OF EDUCATION

Christina Euridici Apostolakis

Education/ Mark P. Hansen

Secondary Math Teachers' Implementation of
Language Supports for English Learners

Holly Elizabeth Bailey-Hofmann

Education/ Robert T. Teranishi

Key Influences and Obstacles in Guided
Pathways Implementation in Community
Colleges in a Multi-College District According
to Community College Leaders

Dustin Black

Education/ Mark Kevin Eagan Jr.

Part-Time Instructors and Faculty-Student
Interaction: A Study of Perception and
Practice in the Community College Classroom

Sandy Chavez

Education/ Daniel G. Solorzano & Diane
Durkin

The Impact of a Transformative Peer Mentor
Model on Latinx Community College Students

Hilary Lynn Crocker

Education/ Christina A. Christie & Mark Kevin
Eagan Jr.

Exploring the Training and Lived Experiences
of Resident Directors

Christopher James Fennell

Education/ Robert Cooper

Best Practices for High School Civic Learning
Programs in Addressing Civic Engagement for
Southern California Students of Color

Johanna Sumiko Gamboa-Kroesen

Education/ Kathryn M. Anderson & Mark P.
Hansen

These Are My People: Music Teacher
Instructional Practice and School
Connectedness

Mark Hill

Education/ Mark P. Hansen & Karen Quartz

Improving Instruction: An Examination of
a Network Improvement Science Effort to
Support Instructional Change

Laura Mehren Hotchkiss

Education/ Robert Cooper

Leadership in Independent Schools:
The Pathway for Female Senior Level
Administrators

James Christopher Blee Koontz

Education/ Connie L. Kasari

The Life-Long Potential of Students with
Moderate-Severe Disabilities: Perceptions of
Elementary Special Education Teachers

* The names of doctoral graduates who placed a restriction on the release of personal information are not included in this listing.

Jonathan Joseph López

Education/ Robert Cooper

AmeriCorps Members in Urban K-12 Schools and Their Perceptions of the Communities They Serve

Lisa Ann Miller

Education/ Diane Durkin & Alison Bailey

School Psychologists' Assessment Practices with English Learners: Recommendations to Increase Accurate Identification

Jason Abella Rock

Education/ Robert T. Teranishi

Understanding Help-Seeking in Academic Medicine: A Phenomenological Study of the Help-Seeking Process of Medical Students in Distress

Andrea Gail Steinman

Education/ Connie L. Kasari

Understanding How Independent High Schools Support Students on the Autism Spectrum

Colin Evan Williams

Education/ Mark Kevin Eagan Jr.

Community College Adjunct Faculty Perceptions of Departmental Cultures

DOCTOR OF ENVIRONMENTAL SCIENCE AND ENGINEERING

Isaac Thomas Brown

Environmental Science and Engineering/
Thomas Welch Gillespie & Mark Andrew Gold

Managing Cities as Urban Ecosystems: Analysis Tools for Biodiversity Stewardship in Los Angeles

Kazue Kelly Chinen

Environmental Science and Engineering/
Michael K. Stenstrom & Timothy Malloy

Assessing the Use of Quantitative Structure-Activity Relationship Models in Previously Unevaluated Analysis of Alternatives in the European Union Registration, Evaluation, Authorization and Restriction of Chemicals

Jennifer Beth Taylor

Environmental Science and Engineering/
Richard F. Ambrose

Projecting the Impacts of Climate Change on Species Occupying Aquatic Habitats in Southern California

Arman Toumari

Environmental Science and Engineering/
Irwin H. Suffet

Controlling Groundwater Contamination from Oil and Gas Well Stimulation Practices and Leaking Underground Storage Tanks

DOCTOR OF MUSICAL ARTS

Desiree Janene Balfour

Music/ James Bass & William Andrew
Kinderman

Reexamining Portamento as an Expressive
Resource in Choral Music, Ca. 1840-1940

Matthew Guy Lombard

Music/ Neal H. Stulberg & Douglas H. Masek

A “Revolution in the Making”: Rediscovering
the Historical Sonic Production of the Early
Saxophone

Meagan Gale Charlly Martin

Music/ Vladimir Chernov & Peter D. Kazaras

Keeping Up Appearances: Fidelity and
Performance Issues in the Operatic
Adaptation of Jane Austen’s Mansfield Park

Anastasia Petanova

Music/ Robert S. Winter

Vladimir Tsybin’s Ten Concert Etudes:
Performing Virtuosity within Russian Flute
Miniatures

DOCTOR OF NURSING PRACTICE

Melanie Altamirano

Nursing Practice/ Wendie A. Robbins

The Role of Empowerment Among a
Code Stroke Team and its Effect on Stroke
Outcomes

Annabelle Braun

Nursing Practice/ Joann O. Eastwood

Target: Stroke Best Practice of Direct
Transport to Computed Tomography and Its
Impact on Stroke Treatment Times

Jerome Mendoza Dayao

Nursing Practice/ Lynn V. Doering

Standardized Web-based Leadership
Development for New Managers in a Tertiary,
Public Safety-Net, Academic Medical Center

Nasrin Esnaashari

Nursing Practice/ Paul Michael Macey &
Mary-Lynn Brecht

Educational Intervention Improves
Knowledge in Deep Brain Stimulation
Candidates & Their Caregivers

Yichun Michelle Fang

Nursing Practice/ Barbara Mae Bates-Jensen

Improving Goals of Care Conversations with
High Risk Heart Failure Patients

Yvette Loretta Goodridge

Nursing Practice/ Nancy A. Pike

Complementary Alternative Medicine for
Pediatric Chronic Headaches

Erin Allyson Kopp

Nursing Practice/ Carol L. Pavlish

Efficacy of a Mindfulness-Based Intervention
in Reducing Burnout and Increasing
Resilience in Registered Nurses Caring for
Patients with Hematologic Malignancies

Anila Noorali Ladak

Nursing Practice/ Janet C. Mentes

A Nurse-Led Delirium Prevention Program for Hospitalized Older Adults

Cheryl Diane Le Huquet

Nursing Practice/ Lynn V. Doering

Telemetry: Less is More. The Application of Practice Standards to Electrocardiographic Monitoring of Surgical Patients

Maria Felicia Hidalgo Marcos

Nursing Practice/ Mary A. Woo & Mary Ann Shinnick

Impact of Early Initiation of Exercise on Acute Low Back Pain and Disability

Angel Leonel Moreno

Nursing Practice/ Wendie A. Robbins & Andrew C. Charles

Building a Structured Field within Clinical Notes in a Migraine Practice: A Quality Improvement Project

James Quincy Simmons

Nursing Practice/ Dorothy J. Wiley

The_InstaPrEP_Project: A Social Marketing Intervention on Instagram to Increase Oral HIV Prophylaxis in Black Men Who Have Sex with Men

Michelle Carolyn Tolentino

Nursing Practice/ Felicia S. Hodge

An Innovative Nurse Leader Redesign to Improve Span of Support

DOCTOR OF PUBLIC HEALTH

Lindsay Danielle Duplessis

Public Health/ Courtney Sinc Thomas Tobin

Pathways Linking Trauma and Delinquency among Black Young Adults

Mahmoud Abdalgader M Gaddoury

Public Health/ Haroutune K. Armenian

Epidemiology of Hajj Pilgrimage Mortality: Analysis for Potential Intervention

Gloria Patricia Giraldo Arcila

Public Health/ Steven P. Wallace

Evaluation of the Implementation of a Technical Package for Cardiovascular Disease Reduction with Emphasis on Hypertension Control in Colombia Using the Consolidated Framework for Implementation Research

Joy Toyama

Public Health/ Christina Michelle Ramirez

Statistical Analysis of Infectious Diseases in Nursing and Genomic Data

DOCTOR OF PHILOSOPHY

Saman Ali Abdullah

Civil Engineering/ John Wright Wallace

Reinforced Concrete Structural Walls: Test Database and Modeling Parameters

Ceren Abi

History/ Sarah Abrevaya Stein & Suzanne E. Slyomovics

Digging Deeper: Cultural Property in the Ottoman Empire during the Great War and Allied Occupation 1914–1923

Scott Abramson

Near Eastern Languages and Cultures/ Lev Hakak & Steven L. Spiegel

Early Zionist-Kurdish Contacts and the Pursuit of Cooperation: The Antecedents of an Alliance, 1931-1951

Evan Robert Abt

Molecular and Medical Pharmacology/ Caius Gabriel Radu

Strategies for the Precision Targeting of Nucleotide Metabolism in Cancer

Adewunmi Olumuyiwa Adelaja

Molecular Biology/ Alexander Hoffmann

Stimulus-Specificity of NFkappaB Signaling in Macrophages

Albert Nasser Agha

Ethnomusicology/ Ali J. Racy & Mark L. Kligman

Sholawat and the Sounds of Islam Nusantara: Music and Religious Authority in Contemporary Indonesia

Renato Aguilera

Chemistry/ James K. Gimzewski

Synthesis of Silver Sulfide Nanowires and Design of Nanodevices towards Physical Intelligence and Carcinoma Cytology

Kartik Ahuja

Electrical & Computer Engineering/ Gregory J. Pottie

Optimization Methods for Resource Allocation and Machine Learning Applications

Ablaikhan Akhazhanov

Electrical & Computer Engineering/ Wentai Liu & Chi On Chui

Machine Learning-Enabled Electrical Impedance Tomography for Single-Cell Imaging

Mohammad A B F Alabdullah

Mechanical Engineering/ Nasr M. Ghoniem

Physics-Based Damage Modeling of Ceramic Matrix Composites for Extreme Heat Environments

Ellen Wright Alexander

Geology/ Timothy Mark Harrison

Geochemical Tracers of Crustal Thickness and Their Applicability to the Tibetan-Himalayan Orogen

Sulaiman A S A E Alghunaim

Electrical & Computer Engineering/ Ali H. Sayed

On the Performance and Linear Convergence of Decentralized Primal-Dual Methods

Abdulaziz Ali A Alturki

Chemical Engineering/ Dante A. Simonetti

Integration of Sorption Enhanced Operations into Sustainable Processes

Moustafa Farid Taha Mohammed Alzantot

Computer Science/ Mani B. Srivastava

Secure and Private Machine Learning for Smart Devices

Ahmed Fahad A Alzuhair

Electrical & Computer Engineering/ Dejan Markovic

Theta Phase-Specific Closed-Loop Stimulation in Implantable Neuromodulation Devices

Brooks Ambrose

Sociology/ Lynne Goodman Zucker & Gabriel Rossman

Knowledge of the U.S. Social Sciences

Nikolaos Angelopoulos

Linguistics/ Hilda Koopman & Dominique L. Sportiche

Complementizers and Prepositions as Probes: Insights from Greek

Sharee Bantad Anzaldo

Nursing/ Felicia S. Hodge

Filipino American Parental Beliefs and Perceptions About Managing Care for Children and Adults with Autism Spectrum Disorder

Safoora Arbab

Comparative Literature/ Aamir R. Mufti

The Ecstasy and Anarchy of Nonviolence: The Khudai Khidmatgar Resistance in the North-West Frontier of British India

Viola Ardeni

Italian/ Lucia Re & Jon R. Snyder

Fiabe inesauribili. Revisionismo e metamorfosi del femminile dal Seicento al terzo millennio

Pedro Arias

Materials Science and Engineering/ Suneel Kodambaka

Variable-Temperature Scanning Tunneling Microscopy Studies of Growth and Characterization of Hexagonal Boron Nitride and Graphene Layers

Kevin David Arlin

Mathematics/ Paul Balmer

2-Categorical Brown Representability and the Relation between Derivators and Infinity-Categories

Adriana Cristina Arneson

Bioinformatics/ Jason Ernst

Computational Methods for Comparative Genomic and Epigenomic Annotations across Multiple Species

Douglas Victor Arneson

Bioinformatics/ Xia Yang

Development and Application of Systems Genomics Approaches to Dissect Complex Diseases

Cody James Aros

Molecular Biology/ Brigitte N. Gomperts

Wnt Signaling Dynamics in the Airway: Regeneration, Aging, and Cancer

Pauline Lim Arriaga

Astronomy and Astrophysics/ Michael P. Fitzgerald

Multiband Polarimetric Imaging of Debris Disks with the Gemini Planet Imager

Maria Carolina Arteaga

Economics/ Adriana Lleras-Muney

Essays in Education and Crime in Colombia

Atharav

Electrical Engineering/ Behzad Razavi

New Low Power Techniques for High-Speed Wireline Receivers

Adrian Au

Molecular, Cellular, and Integrative Physiology/ Hui Sun

Activation Mechanism and Novel Therapeutic Agent of a Membrane Receptor Involved in Pathogenic Angiogenesis

Taylor Aubry-Komin

Chemistry/ Benjamin Joel Schwartz

Structure and Electronic Property Relationships in Chemically Doped Semiconducting Polymers and Polymer Photovoltaics

Ayano Azuma

Asian Languages and Cultures/ Shoichi Iwasaki

The language of Fiction in *The Tale of Genji*: Linguistic Representation of Characters' Internal States in Literature

Sara Azzam

Chemical Engineering/ Dante A. Simonetti

Fundamentals of Hydrogen Sulfide Removal from Gaseous Streams via Reactive Sorption with Copper Oxide

Seyed Mehrdad Babamir

Electrical & Computer Engineering/ Behzad Razavi

A Digital RF Transmitter with Background Nonlinearity Correction

Saikrishna Badrinarayanan

Computer Science/ Amit Sahai & Rafail Ostrovsky

Towards Optimality in Secure Computation

Alex Levon Bagdasarian

Chemistry/ Hosea Martin Nelson

Main Group-Catalyzed Carbon to Carbon Bond-Forming Reactions of Dicoordinate Carbocations

Jonathan Baghdadi

Health Policy and Management/ Robert H. Brook & Jack Needleman

Use of the Sepsis Bundle in Hospital-Onset and Community-Onset Sepsis and Effects of Lack of Insurance in Community-Onset Sepsis

Tingyu Bai

Materials Science and Engineering/ Mark S. Goorsky

Diamond Integration for Thermal Management Applications: Transport, Boundaries, and Interfacial Morphology

Zachary Scott Ballard

Electrical & Computer Engineering/ Aydogan Ozcan & Asad Mohamed Madni

Computational Sensing in Biophotonics and Diagnostics

Ari Jay Barbalat

Political Science/ Steven L. Spiegel

The Limits of a Grand Strategy Paradigm in International Relations: Lessons from Israeli History, 1977-1983

Anthony Barra

Mechanical Engineering/ Gregory P. Carman

Magnetic Memory with Antiferromagnets and Multilayers

Jesse Adam Baucom

Chemical Engineering/ Yunfeng Lu

Low-Cost and Scalable Material Designs and Processes for Next-Generation Lithium-Ion Battery Anodes

Katherine Lynn Bay

Chemistry/ Kendall N. Houk

Computational Investigations of Pd-Catalyzed C–H Functionalization Reactions

Sevi Bayraktar

Culture and Performance/ Anurima Banerji & Suzanne E. Slyomovics

Demonstrating Dance: Women's Mobilization of *Horon* as Protest in Turkey

Maricela Joshelyn Becerra Garcia

Hispanic Languages and Literatures/ Maarten H. Van Delden

“2 de octubre no se olvida”: La (pos) memorialización de Tlatelolco 68

Benjamin Shearer Beck

English/ Christopher J. Looby

Matters of Life: Writing Lives in the Age of United States Slavery

Annabel Carroll Beichman

Biology/ Robert Wayne & Kirk Edward Lohmueller

Aquatic Adaptation and Fur Trade Devastation: A Deep Dive into the Genomic History of the Sea Otter

Ariana Naomi Bell

Psychology/ Jaana Helena Juvonen & Margaret Joan Shih

Health Costs to Experiencing, and Psychological Barriers to Confronting, Gender Discrimination across the Lifespan

Catherine Tsukasa Bender

Geography/ Eric Stewart Sheppard & Helga M. Leitner

Autonomous Tokyo: Geographies of Dissent and Desire

John Matthew Bender

Computer Science/ Jens Palsberg

Prove Once, Run Efficiently Anywhere: Tools for Lock-Free Concurrent Algorithms

Megan Rae Bernstein

Art History/ Meredith Marie Cohen

Civil Service: English Parochial Architecture, 1150-1300

Mert Besken

Physics/ Per J. Kraus

Perturbative Quantum Gravity in the AdS3/ CFT2 Duality

Mathew Michael Biedka

Electrical & Computer Engineering/ Yuanxun Wang

Ultra-Wide Band On-Chip Circulators with Sequentially-Switched Delay Lines (SSDL)

Christopher Stephen Bingley

History/ David Daniel Phillips

Philostratus, Perceptions of Foreign Ethnicity, and Severan Cultural Geography

Katelyn Jo Bishop

Anthropology/ Gregson T. Schachner & Richard Gardner Lesure

Ritual Practice, Ceremonial Organization, and the Value and Use of Birds in Prehispanic Chaco Canyon, New Mexico, 800–1150 CE

Anne Blackstock-Bernstein

Education/ Alison Bailey

Children’s Individual Language Experiences: A Multilevel Analysis of Language Use in Head Start Classrooms

Molly Josette Bloom

Anthropology/ Norma Mendoza-Denton

Thick Sociality: Community, Disability, and Language in Spinal Cord Injury Rehabilitation

Katherine Bolton Bonnici

English/ Lowell Gallagher

Becoming Dead in Early Modern English Literature: A Lucretian Poetics

Allen David Boozer

Mathematics/ Ciprian Manolescu

Floer Homology Theories for Knots in Lens Spaces

Kristina Marie Borrmann

Art History/ Dell Upton

Planning the American Neighborhood: The Science of Sociability at the Dawning of Desegregation (1933-1965)

Diya Bose

Sociology/ Vilma Ortiz

The Biopolitics of Third Gender Category in India

Alexander Odysseus Bradley

Biochemistry, Molecular and Structural Biology/ Margot Elizabeth Quinlan

Elucidating the Mechanism of Synergy in Actin Assembly by Spire and Cappuccino

Michelle Celine Bradley

Biochemistry, Molecular and Structural Biology/ Catherine F. Clarke

Characterization of the novel coenzyme Q biosynthetic polypeptide Coq11, and other proteins involved in the production and regulation of Q6

Emma Bright

Psychology/ Annette Louise Stanton

We're in this Together: An Experimental Test of Communal Appraisal and Coping Intentions

Jeremy Rollin Bundick Brightbill

Mathematics/ Raphael Alexis Rouquier

Perverse Equivalences in the Dg-Stable Category

Georgia Vance Broughton

Ethnomusicology/ Helen M. Rees

"So Come All Ye Who Love Freedom": Inclusive National Identity in Northern European Communities of Musical Practice

Lauren Nicole Brown

Geography/ Glen Michael Macdonald

California Salt Marsh Accretion, Ecosystem Services, and Disturbance Responses in the Face of Climate Change

Louise Alison Brown

French and Francophone Studies/ Laure Murat

Rethinking Queer Poetry: Queerness in the French Lyric Tradition from 1819 to 1918

Todd Eric Brown

Psychology/ Bruce Frederick Chorpita

Gauging Progress: Clinical Dashboard Use by Community-Based Clinicians

Jason Buenker

Civil Engineering/ Scott Joseph Brandenburg

Soil-Foundation-Structure Interaction Effects on the Cyclic Failure Potential of Silts and Clays

Leah Meriah Bueso

Education/ John S. Rogers

Challenging Objectives: A Legal and Empirical Analysis of the Substantive FAPE Standard After *Andrew F.*

Shannon Burns

Psychology/ Matthew D. Lieberman

Neural and Psychological Coordination in Social Communication and Interaction

Benjamin David Burt

Hispanic Languages and Literatures/ John Randal Johnson & Jose Luiz Passos

Cities of Dreams and Despair: Utopia and Dystopia in Contemporary Brazilian Film and Literature

Danielle Michael Candelora

Near Eastern Languages and Cultures/ Willemina Z Wendrich & Kathlyn M. Cooney

Redefining the Hyksos: Immigration and Identity Negotiation in the Second Intermediate Period

Kevin Alexander Cannon

Chemistry/ Todd O. Yeates

Design, Structural Characterization and Application of High Symmetry Protein Nanocages

Daniel Alejandro Cantu

Neuroscience/ Carlos Portera-Cailliau

Analysis of fluorescent calcium signals in the detection of neural circuitry abnormalities in a mouse model of autism

Daniel Canuto

Aerospace Engineering/ Jeffrey D. Eldredge

Multiscale and Patient-Specific Cardiovascular Modeling

Qian Cao

Geography/ Dennis P. Lettenmaier

Flooding and Atmospheric Rivers in Coastal Western U.S. Watersheds: The Role of Hydrological Initial Conditions in a Changing Climate

El Hadi Caoui

Economics/ John William Asker

Essays on Industrial Organization

Barbara Jean Caplan

Psychology/ Bruce L. Baker

Responsive Parenting, Gene-Environment Interactions, and Heterogeneous Social Development in Autism Spectrum Disorder

Joseph Randolph Capri

Molecular and Medical Pharmacology/ Caius Gabriel Radu

Integrative and Quantitative Mass Spectrometry (IQ-MS): Developing a Unified Sample Workup for Multi-Omics Analysis

Felipe Bersalo Carrera Galleguillos

Economics/ Simon Adrian Board

Quasi-experiments in Competition and Public Policy: Evidence from Chilean Economic History

Susan Burns Carrigan

Psychology/ Philip Kellman

Promiscuity and Pruning: Investigations of a Two-Stage Theory of Contour Interpolation

Maria Del Carmen Cebreros Urzaiz

Culture and Performance/ David Delgado Shorter

History, Locality, and Art Worlds: A Case Study of the Center for the Arts at San Agustín Etla (CASA), Oaxaca, México

Barbaros Cetiner

Civil Engineering/ Ertugrul Taciroglu

Image-Based Modeling of Bridges and Its Applications to Evaluating Resiliency of Transportation Networks

Martin Luther Chan

Near Eastern Languages and Cultures/
William M Schniedewind & Michael David
Cooperon

Language Consciousness in the Hebrew Bible
during the Persian Period in Jerusalem: A
Sociological Study of the Hebrew Language in
its Cultural and Political Context

Shyr-Shea Chang

Mathematics/ Marcus Leigh Roper

Revealing Design Principles of Biological
Networks Through Optimization and
Dynamical System Approaches

Soumitra Chatterjee

Political Science/ Deborah W. Larson

Presidential Beliefs, Advisors' Capacities, and
the Formulation of Intervention Policy

My Ket Chau

Art History/ Robert L. Brown

Communities & Cultural Exchanges of
Champa: The Art of the Chams in Central and
Southern Vietnam

Xiaoyu Che

Electrical Engineering/ Kang Lung Wang

Spin-Orbit Torque and Field-Free
Magnetization Switching by Topological
Insulators

Douglas Chen

Materials Science and Engineering/ Jenn-
Ming Yang

Development of Chemical Processes for the
Recycling of Carbon Fiber/Epoxy Composites

Yi-Jang Chen

Chemistry/ Ohyun Kwon

Michael–Heck Approach Towards the
Synthesis of Highly Functionalized Polyalkyl
Furans and Application of the Vinylogous
Michael–Heck Reaction Towards the Total
Synthesis of Furanosesquiterpenes and
Furanoeremophilanes

Zehui Chen

Electrical & Computer Engineering/ Lara
Dolecek

Coding Assisted Methods for Crossbar
Resistive Memory

Zhenxiang Chen

Sociology/ Min Zhou

Social Mobility over the Life Course of
Migration: Transition, Pattern, and Self-
selection

Alvan Bing Jun Cheng

Epidemiology/ Anne W. Rimoin

Evaluating Rubella Epidemiology,
Vaccine Coverage and Efficacy, and Cost-
effectiveness to Identify Strategies for Rubella
and Congenital Rubella Syndrome Elimination
in the Democratic Republic of Congo

Quen Joshua Cheng

Molecular Biology/ Alexander Hoffmann

Molecular Determinants of Stimulus-
Specificity in Macrophage Reprogramming

Kevin Cheung

Chemistry/ Paul S Weiss & Anne M. Andrews

Advances in Surface Patterning and Next-
Generation Electronic Biosensors

Xiang Chi

History/ Roy Bin Wong

Chinese Resource Modernity: Environmental Government and the Resource Conflicts in Northeast China's Forests, 1860-1932

Jenny Chow Chiappe

Special Education/ Sandra H Graham & Lois A. Weinberg

Teachers' Bullying Definitions and Strategies to Address the Bullying of Students with Individualized Education Program (IEPs)

Young-Kyu Choi

Computer Science/ Jingsheng Jason Cong

Performance Debugging Frameworks for FPGA High-Level Synthesis

Justin Eugene Christensen

Physics/ Eric R. Hudson

High-fidelity operation of a radioactive trapped-ion qubit, ¹³³Ba⁺

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StoryMiner: An Automated and Scalable Framework for Story Analysis and Detection from Social Media

Mohamed Monkez Shaker

Architecture/ Sylvia Lavin & Michael Osman

Comfortable Modernization: Hassan Fathy's Architecture and the Decolonization of Egypt

Ksenia Shakhgildyan

Economics/ Rosa Liliana Matzkin & John William Asker

Essays on Nonparametric Identification and Estimation of All-Pay Auctions and Contests

Hualei Shang

Economics/ Rosa Liliana Matzkin

Three Essays on Unobserved Heterogeneity in Panel and Network Data Models

Brian Shao

Chemistry/ Hosea Martin Nelson

Discovery and Mechanistic Insights of Main-Group Catalyzed C–H Functionalization Reactions of Dicoordinate Carbocations

Kiel Steven Shaub

English/ Saree Makdisi

Rethinking the Arts and Sciences: Institutional Movement and the Formation of Romantic Discourse

Xiaopeng Shen

Education/ Val D. Rust

Colleges between Public and Private: An Ethnographic Case Study of Independent Colleges in China

Chen Shi

Geophysics and Space Physics/ Marco C. M. Velli

Magnetic Reconnection and Turbulence in the Inner Heliosphere

Jiayu Shi

Oral Biology/ Kang Ting

Systemic Therapy of Inactivated-Bisphosphonate-Conjugated PEGylated NELL-1 (BP-NELL-PEG) for Spaceflight-Induced Osteoporosis

Xiao Shi

Electrical Engineering/ Lei He

Stochastic Yield Analysis of Rare Failure Events in High-Dimensional Variation Space

Kevin Shih

Sociology/ Rebecca J. Emigh

Information Brokers: A Comparison of the Web Browser Choices between Internet Users in the US and China

Ehsan Shirzaei Sani

Chemical Engineering/ Nasim Annabi

Hydrogel-Based Bioadhesives for Tissue Engineering and Surgical Applications

Ben Wong Shulman

Psychology/ Theodore Francisco Robles

Self-Control and Emotion Regulation in Social Context

Elias Sideris

Chemical Engineering/ Tatiana Segura

Manipulating Hydrogel Microstructure for the Purpose of Brain Repair After Stroke

Angus Morgan Sidore

Chemical Engineering/ Yi Tang

Multiplexed Gene Synthesis in Emulsions

Alexander Siegel

Psychology/ Alan Dan Castel

Examining Motivating Factors Influencing Attention, Memory, and Metacognition

Michael David Skiles

Philosophy/ Calvin G. Normore

First Principles to Further Our Understanding of What Is to Be Done

Jeremiah John Sladeck

History/ Stephen A. Aron

Padres Descontentos: Spanish Imperial Policy, Franciscan Decline, and the California Mission System, 1784-1803

Andrew J. Smaligo

Chemistry/ Ohyun Kwon

Phosphine Organocatalysis and Dealkenylative C(sp³)-C(sp²) Bond Functionalizations

Nova Fujuan Smedley

Bioengineering/ William Hsu

Learning Radiogenomic and Longitudinal Patterns to Characterize Disease Trajectory

Emily Foote Smith

Geophysics and Space Physics/ David A. Paige

The Bidirectional and Hemispheric Reflectance of Apollo Lunar Soils: Laboratory and Diviner Measurements

Robert Kyriakos Smith

English/ Jennifer A. Sharpe

Representing Radical Politics in Anglophone Caribbean Literature After Independence

Anton Sobolev

Political Science/ Daniel Simon Treisman

Dictators in the Spotlight: What They Do When They Cannot Do Business as Usual

Rafael Ramirez Solorzano JR

Chicana & Chicano Studies/ Leisy Janet Abrego

The Trail of Dreams: Mobilizing Corazones and Forging New Visions of Migrant Justice

Lingnan Song

Electrical & Computer Engineering/ Yahya Rahmat-Samii

Reconfigurable and Conformal Antennas Based on the Emerging Liquid Metal and Electro-Textile Materials

Luke Sonnet

Political Science/ Miriam A. Golden

Essays on Dynastic Politics and Political Participation

Akrivoula Soundia

Oral Biology/ Sotirios Tetradis

Characterization of Medication Related Osteonecrosis of the Jaws Pathophysiology and Local RANKL Delivery as an Experimental Intervention

Richard William Sportsman

Chemistry/ William M. Gelbart

On the Genome Release Dynamics of Single-Stranded RNA Viruses

Neha Srivastava

Social Welfare/ Robert Schilling

Adolescent Girls' Psychosocial Experiences Following Transition Out of Institutionalized Care: A Qualitative Exploration of Life at an After-care Program in Delhi, India

Zachary Stanko

Civil Engineering/ William W. Yeh

Nonlinear Model Reduction for Groundwater Flow and Solute Transport

Lindsay Katharine Staples

Psychology/ Michelle Craske

Discrimination Between Neutral and Unsafe Stimuli, Return of Fear, and Anxiety

Shannon R. Starkey

Architecture/ Sylvia Lavin

The Suspension of Disbelief: California City 1955–1972

Kira Ellen Stearns

Management/ Marvin B. Lieberman & Melvin Keith Chen

Investing in Innovation: Evidence from the Pharmaceutical Industry

Mindy Gayle Steinberg

Anthropology/ Thomas S. Weisner

Legal Status and the Everyday Lives of Mexican-Origin Youth in Los Angeles: Family, Gratitude, and the High School Transition

Christopher Shawn Stephan

Anthropology/ Christopher J. Throop

“Focus on the Users”: Empathy, Anticipation, and Perspective-taking in Healthcare Architecture

Mary Caroline Stepick

Sociology/ Edward T. Walker & Marcus Hunter

Rebuilding Los Angeles: Labor-Community Coalition Organizing around Transit and Housing

Logan Ali Stewart

Chemistry/ Paul S. Weiss

Interfacial Chemistry of Liquid Metals: Eutectic Gallium Indium (E-GaIn)

Timothy Charles Stutz

Biomathematics/ Kenneth L. Lange

Simulation and Numerical Methods for Stochastic Processes

Dawoud Sulaiman Abdulmalek

Molecular Toxicology/ Srinivasa T. Reddy

Paraoxonase 2 (PON2) in Cardiovascular Disease (CVD): The Role of PON2 in Acute Myocardial Ischemia-Reperfusion Injury and Diet-Induced Obesity

Elaine Ericksen Sullivan

Culture and Performance/ Allen Fraleigh Roberts

“Petit à Petit”: Contemporary Art and Decolonial Horizons in Belgium's AfricaMuseum

Shih-Wei Sun

Asian Languages and Cultures/ Torquil Duthie

Sages, Sinners, and the Vernacularization of Buddhism in *Nihon ryōiki*

Anoush Tamar Suni

Anthropology/ Suzanne E. Slyomovics

Palimpsests of Violence: Ruination and the Politics of Memory in Anatolia

Yulia Sunyoto

Electrical & Computer Engineering/ Izhak Rubin

Communications Networking for Autonomous Vehicle Highway Systems

Christopher John Surro

Economics/ Pablo David Fajgelbaum & Pierre-Olivier Weill

Computational Methods and Models in Macroeconomics

Robert Bergstrand Susick

Chemistry/ Neil Kamal Garg

Complexity-Generating Annulation Reactions in the Synthesis of Natural Products and Materials Scaffolds

Leslie Kay Swigart

Information Studies/ Jonathan Furner

Fantastic Extrapolations: An Exploratory Bibliometric Investigation into the Historic Development of English-Language Fantasy and Science Fiction Scholarship through Fifty Years of Extrapolation

Gwyneth Ursula Jean Talley

Anthropology/ Suzanne E. Slyomovics & Nancy Levine

Gunpowder Women: Gender, Kinship & Horses in Moroccan Equestrian Performance

Koichi Tanaka

Materials Science and Engineering/ Suneel Kodambaka

Microstructural and Compositional Tunability in Sputter-Deposited Transition-Metal Carbide Thin Films Using Ultra-Low Reactive Gas Pressures and 2D Layers

Nadine Tanio

Education/ Douglas M. Kellner & Federica Raia

Coming of Age in High-Tech Medicine: Heart Transplantation, Collaborative Visual Storytelling and Transformational Pedagogy

Ran Tao

Chemical Engineering/ Yunfeng Lu

Development of High-Quality Graphene and Composite Materials for Energy Storage

Yang Tao

Molecular Biology/ Kelsey C. Martin

Studies of Gene Expression During Memory: i) Role of Extracellular Vesicles & ii) Impact of Aging on Gene Expression in Mouse Hippocampus

John Roger Tennant JR

Classics/ Kathryn Anne Morgan

Proverbial Plato: Proverbs, Gnōmai, and the Reformation of Discourse in Plato's Republic

Bryan Everett Thornton

Special Education/ Sandra H. Graham & Lois A. Weinberg

The Impact of Internalized, Anticipated, and Structural Stigma on Psychological and School Outcomes for High School Students with Learning Disabilities: A Pilot Study

Caroline Kim Tietbohl

Sociology/ Stefan Timmermans

Aging, Uncertainty, and Independence: How Doctors and Patients Manage Growing Old in Primary Care

Sidhant Tiwari

Electrical & Computer Engineering/ Robert N. Candler

Dynamics of Multiferroic Coupling

Christina Kang Toolan

Education/ Connie L. Kasari

Parent Strategies for Improving Joint Engagement and Language in a Diverse Sample of Limited Language Preschoolers with Autism Spectrum Disorder

Michael Weber Topping

Astronomy and Astrophysics/ Alice Eve Shapley

Understanding Large-Scale Structure, Galaxies, and Ionized Gas at $z \sim 2-3$

Eric Rommel Torres

Biochemistry and Molecular Biology/ Carla Marie Koehler

Matrix Processing Peptidase and Putative Roles in Mitochondrial Biogenesis. Nuc1 and Porin influence L-A Killer Virus Loads Co-dependently in *Saccharomyces Cerevisiae*.

Stephen Show Tran

Bioinformatics/ Xinshu Xiao

Landscape of RNA editing across Autism Spectrum Disorders

Xuan A. Tran

Neuroscience/ Shafali Spurling Jeste

Neural Connectivity in Infants at Familial Risk for Autism Spectrum Disorder

Shiao-Po Tsai

Electrical Engineering/ Kang Lung Wang

Magnetic Proximity Coupling to Transition Metal Dichalcogenide

Shin-Hung Tsai

Materials Science and Engineering/ Kang Lung Wang

Vertical Electron Transport Across and into a Two-Dimensional Material Using Vertical Tunnel Structures and Electron Tunneling Spectroscopy

Kuan-Wen Tung

Mechanical Engineering/ Pei-Yu Chiou

Field-Programmable Acoustic Platform for Deep, Subwavelength-Resolution Patterning of Micro-Objects Into Complex and Non-Periodic Shapes

Guillaume Urtecho

Molecular Biology/ Sriram Kosuri

Multiplexed Approaches to Characterize Sequence-Function Relationships of *Escherichia coli* Promoters

Jessica Phuong Uy

Psychology/ Adriana Galvan

Associations between Peripheral Immune Markers, Neural Response to Stress, and Depressive Symptoms during Adolescence: The Role of Daily Stressors, Affect, and Sleep Habits

Meaghan Ann Valliere

Molecular Biology/ James U. Bowie

A Synthetic Biochemistry Platform for the Enzymatic Synthesis of Cannabinoids and Other Prenylated Natural Products

Diana Maria Van Patten Rivera

Economics/ Lee Ohanian

Essays on Economic Growth, Institutions and Technology Diffusion

Christine Vega

Education/ Daniel G. Solorzano

Strolling and Straddling Academic Boundaries: Chicana, Latina, and Indigenous Motherscholars in the Academy

Anthony Vivian

History/ David Daniel Phillips

Rotting Ships and Bloodied Water: Destructive Liquids and Thucydides' Skepticism of Naval Imperialism

Stefan Vlaski

Electrical & Computer Engineering/ Ali H. Sayed

Distributed Stochastic Optimization in Non-Differentiable and Non-Convex Environments

Matthew Gregory Voss

Chemistry/ Benjamin Joel Schwartz

Spectroscopy of Polarons, Bipolarons, and Excitons in Semiconducting Polymers

Brian W. Walker

Chemical Engineering/ Nasim Annabi

Engineering Electroconductive and Adhesive Hydrogels for Biomedical Applications

Charles Wang

Biochemistry and Molecular Biology/ Guillaume Chanfreau

Ribonucleases and Their Regulatory Role in Gene Expression

He Wang

Molecular, Cellular, and Integrative Physiology/ Yibin Wang

Translational Regulation Medicated by lncRNA Miat in Cardiac Hypertrophy

Po-Min Wang

Bioengineering/ Wentai Liu

Towards Closed-Loop Neuromodulation with Wireless Biomimetic Circuits and Systems

Rui Wang

Materials Science and Engineering/ Yang Yang

Defect Passivation towards Highly Efficient and Stable Metal Halide Perovskite Solar Cells

Ruining Wang

Materials Science and Engineering/ Bruce S. Dunn

Multifunctional Mesoporous Silica Nanoparticles for Drug and Large Molecule Delivery

Shenkai Wang

Chemistry/ Paul S. Weiss

Submolecular Resolution Spectroscopic Imaging for Photoactive Molecules and Assemblies

Xiaoyong Wang

Bioengineering/ Alex Anh-Tuan Bui & Matthew Sherman Brown

High Throughput Image Labeling and Lung/ Lobar Segmentation on Chest CT Using Deep Learning

Yan Wang

Biostatistics/ Honghu Liu

Probably Approximately Correct Learnable Fuzzy System

Yide Wang

Mechanical Engineering/ Richard E. Wirz

System Performance and Cost Analyses of Sulfur-Based Thermal Energy Storage

Yilin Wang

Economics/ Pierre-Olivier Weill

Information Economics and Financial Economics

Yiliu Wang

Chemistry/ Xiangfeng Duan

All-inorganic Perovskite by Vapor Phase Deposition for Optoelectronic Applications

Zhengxu Wang

Materials Science and Engineering/ Yang Yang

High Performance Metal Oxide Thin Film Transistors via Cluster Control and Interface Engineering

Marjan Sarwar Wardaki

History/ Nile Spencer Green & David Sabeen

Knowledge-Migrants between South Asia and Europe: The Production of Technical and Scientific Ideas among Students and Scientists, 1919-1945

Chuyu Wei

Mechanical Engineering/ Raymond M. Spearrin

Tomographic Laser Absorption Imaging of Combustion Gases in the Mid-Wave Infrared

Nathan Oulton Weiss

Materials Science and Engineering/ Yu Huang

Synthesis, Fabrication, and Strain Engineering of Flexible Nanoelectronics Using Graphene and Other 2D Layered Materials

Jonelle White

Biochemistry, Molecular and Structural Biology/ Steven G. Clarke

A Quest for Purpose: Investigating the Functional Implication of the Methylation of Proteins Involved in Translation

Damani Khary White-Lewis

Education/ Sylvia Hurtado

The Facade of Fit and Preponderance of Power in Faculty Search Processes: Facilitators and Inhibitors of Diversity

Melissa Whitley

Gender Studies/ Juliet A. Williams

The Collective Come-Up: Black Queer Placemaking in Subprime Baltimore

Daniel Steven Whittaker

Molecular, Cellular, and Integrative Physiology/ Christopher S. Colwell

The Effect of Circadian Therapies in Models of Neurodegenerative Disease

Devon Rose Widmer

Chemistry/ Benjamin Joel Schwartz

Local Solvent Environment Can Define Solute Chemical Identity, Dynamics, and Reactivity

Elyashiv David Wiedman

Management/ Brett Michael Trueman

Multiple Information Sources and Equilibrium in Financial Markets

Timothy John Williamson

Psychology/ Annette Louise Stanton

Stigma and Health-Related Adjustment in Lung Cancer Patients: A Longitudinal Analysis of Moderators and Mediators

Katharine Adele Winchell

Chemistry/ Sarah H. Tolbert

Understanding Structure-Function Relationships in Semiconducting Polymer Morphology

Alex King Lap Wong

Computer Science/ Stefano Soatto

Exploiting Regularities to Recover 3D Scene Geometry

Jimmy Chen-Yen Wu

Electrical & Computer Engineering/ Robert N. Candler

Compact Magnetic Shielding Using Thick-Film Electroplated Permalloy

Keo-Yuan Wu

Materials Science and Engineering/ Ali Mosleh

Reliability-Based Integrity Management of Natural Gas Pipelines Subject to Spatio-Temporal Corrosive Environment

Nan Wu

Economics/ Lee Ohanian

Essays on Economic Development

Qianteng Wu

Electrical & Computer Engineering/ Yuanxun Wang

Monolithically Integrated Time-varying Transmission Line (TVTL) for Signal Processing

Yichen Wu

Electrical & Computer Engineering/ Aydogan Ozcan

Deep Learning-Enabled Computational Imaging in Optical Microscopy and Air Quality Monitoring

Mu Xiao

Geography/ Dennis P. Lettenmaier

Climatic Controls on Streamflow and Snowpack over the Colorado River Basin

Duo Xu

Chemical Engineering/ Yunfeng Lu

Protein Nanocapsules for Therapeutic Applications

Youran Xu

Epidemiology/ Roger Detels

Viral Load Tests among People Living with Human Immunodeficiency Virus on Antiretroviral Therapy in Wenshan Prefecture, Yunnan Province of China

Ayae Yamamoto

Health Policy and Management/ Jack Needleman

Healthcare Use and Outcomes of Homeless Patients: Multi-State Population-Based Analyses

Michael Yamano

Chemistry/ Neil Kamal Garg

Harnessing Amides and Strained Cyclic Allenes as Building Blocks

Dong Yan

History/ Roy Bin Wong

Sinews of Paper: Public Debt and Chinese Political Economy, 1850–1914

Han Yan

Electrical & Computer Engineering/ Danijela Cabric

Array Architectures and Physical Layer Design for Millimeter-Wave Communications Beyond 5G

Feng Yang

Political Science/ Barbara Geddes

Private Benefits as Public Signals: Wealth into Politics and State-business Exchanges in Contemporary China

Huimin Yang

Chemistry/ William M. Gelbart

MRI Contrast Enhancement by Nonlinear Spin Dynamics Using Active-Feedback Magnetic Resonance Technique

Meng Yang

Linguistics/ Patricia Keating & Megha Sundara

Cue Integration and Contrast Shifts: Experimental and Typological Studies

Ruizhi Yang

Mechanical Engineering/ Jeffrey D. Eldredge

Monolithic Methods and Versatile Applications for Numerical Fluid-Structure Interaction Studies

Daniel Ryan Yavorsky

Management/ Elisabeth Honka & Peter E. Rossi

Consumer Search in the U.S. Auto Industry

Peiyi Ye

Materials Science and Engineering/ Ya-Hong Xie

Plasmon-Enhanced Monolayer MoS₂ for Efficient and Sustainable Photocatalytic Water Splitting Platform

Hye-Shim Yi

Art History/ Hui-Shu Lee

The Calligraphic Art of Chen Hongshou (1768-1822) and the Practice of Inscribing in the Middle Qing

Xiang Yin

Molecular and Medical Pharmacology/ Jing Huang

Identification of Novel Approaches for Cardioprotection against Ischemia-reperfusion Injury

Jinsung Yoon

Electrical & Computer Engineering/ Mihaela Van Der Schaar

End-to-End Machine Learning Frameworks for Medicine: Data Imputation, Model Interpretation and Synthetic Data Generation

Jeffrey Chen Yu

Mechanical Engineering/ Dennis W. Hong

Control Implementation of Dynamic Locomotion on Compliant, Underactuated, Force-Controlled Legged Robots with Non-Anthropomorphic Design

Xinke Yu

Materials Science and Engineering/ Ya-Hong Xie

Alzheimer's Disease Diagnosis Using SERS and Advanced Data Analysis

Yu Yu

Epidemiology/ Beate R. Ritz

Exposure to Air Pollution and Noise, Metabolic Dysfunction and Late-Life Cognitive Impairment-a Cohort Study in Elderly Mexican-Americans in Sacramento Area

Baichuan Yuan

Mathematics/ Andrea Bertozzi

Large-scale and Deep Spatiotemporal Point-Process Models

Kun Yuan

Electrical & Computer Engineering/ Ali H. Sayed

Exact Diffusion Learning over Networks

Tao Yuan

Statistics/ Song-Chun Zhu

A Cognition Platform for Joint Inference of 3D Geometry, Object States, and Human Belief

Dahai Yue

Health Policy and Management/ Ninez A. Ponce & Adriana Lleras-Muney

Educational Attainment and Hospital Admissions: New Evidence from the Health and Retirement Study

Diana Yugay

Chemistry/ Paul S. Weiss

Elucidating Structural Motifs in β -Amyloid Peptide with Sub-molecular Resolution via Scanning Tunneling Microscopy

Jung Eun Yun

Education/ Michael H. Seltzer & Noreen M. Webb

School Variability and Associated Factors in Within-School Gender Differences in Mathematics Performance

Omar Zahzah

Comparative Literature/ Saree Makdisi & Richard A. Yarborough

Undercover and Hyper-Visible: Security Poetics and Pacification Prosaics in African American and Arab American Literature

Cameron Zargar

Islamic Studies/ Khaled M. Abou El Fadl

The Legal and Spiritual Authority of the *Marāji'*

Renato Zaterka Giroldo

Economics/ John William Asker

Essays in Industrial Organization: Entry in Multi-Object Auctions and Freemium Packages in Two-Sided Markets

Ivette Maria Zelaya

Bioinformatics/ Giovanni Coppola

Genetic and Epigenetic Control of Gene Expression in Human and Non-Human Primates

Huanchen Zhai

Chemistry/ Anastassia N. Alexandrova

Potential Energy Surface Exploration of Metal Catalytic Clusters

Shengan Zhan

Geography/ Yongwei Sheng & Dennis P. Lettenmaier

Lake Dynamics in Central Asia in the Past 30 Years

John Min Zhang

Mathematics/ Paul Balmer

On Shifted-Localized Derivators

Lu Zhang

Biostatistics/ Sudipto Banerjee

On Simplified Bayesian Modeling for Massive Geostatistical Datasets: Conjugacy and Beyond

Meimei Zhang

Asian Languages and Cultures/ David C. Schaberg

The Qin and Literati Culture in Song China

Wenyang Zhang

Civil Engineering/ Ertugrul Taciroglu

A Quantitative Seismic Behavior Assessment of Buried Structures

Xiaoguang Zhang

Mechanical Engineering/ Dennis W. Hong

Application of Proprioception Quasi-Direct Drive Actuators on Dynamic Robotic Systems

Yida Zhang

Bioinformatics/ Yi Xing

Alternative Splicing in Mammalian Brain

Yurun Zhang

Molecular Biology/ John P. Chute

Inhibition of Protein Tyrosine Phosphatase-Sigma Promotes Hematopoietic Stem Cell Regeneration

Zhihao Zhang

Chemical Engineering/ Panagiotis D. Christofides

Process Operational Safety via Integrated Design of Control and Safety Systems

Zijun Zhang

Bioinformatics/ Yi Xing

Computational Methods to Elucidate Post-transcriptional Gene Regulation Using High-throughput Sequencing Data

Ziyang Zhang

Materials Science and Engineering/ Qibing Pei

Improved PVDF Terpolymers for Solid State Cooling and Beyond

Heng Zhao

Electrical & Computer Engineering/ Babak Daneshrad & Gregory J. Pottie

Addressing Practical Challenges in High-Capacity Multi-Antenna Communication Systems

Hongxiang Zhao

Materials Science and Engineering/ Qibing Pei

Organic Scintillators Containing High-Z Nanoparticles

Geoffery Zheng

Management/ Stavros Panageas

Essays in Financial Economics

Bonan Zhou

Aerospace Engineering/ Jason L. Speyer

Fractional Optimal Control via Spectral Factorization

Kun Zhou

Statistics/ Qing Zhou

Joint and Post-Selection Confidence Sets for High-Dimensional Regression

Peipei Zhou

Computer Science/ Jingsheng Jason Cong

Modeling and Optimization for Customized Computing: Performance, Energy and Cost Perspective

Tao Zhou

Computer Science/ Demetri Terzopoulos

Core Training: Learning Deep Neuromuscular Control of the Torso for Anthropomorphic Animation

Xiaobo Zhu

Civil Engineering/ David Jassby

Tuning Separation Processes Using Electroactive Membranes for Oil Fouling Prevention and Salt Rejection Optimization

Xiongfeng Zhu

Mechanical Engineering/ Pei-Yu Chiou

Heterogeneously Integrated Optofluidic Platforms for Cell Patterning, Sorting and Sensing

Yinghui Zhu

Civil Engineering/ Jiann-Wen Ju

The Interface Energy and Particle Size Effects
on Nanocomposites

Martin Zirulnik

English/ Ursula K. Heise

The Time of the Thriller: Suspense and
Continuity after World War II

THE 2020-2021 DOCTORAL CLASS

UCLA has awarded 36,203 doctoral degrees since 1939.

A total of 696 doctoral degrees are being awarded this year.

46% Female, 54% Male

Average age: 30 years old

The youngest graduate is 20 years old. The oldest is 65 years old.

Six different degree types:

Doctor of Philosophy
Doctor of Education
Doctor of Environmental Science & Engineering
Doctor of Musical Arts
Doctor of Nursing Practice
Doctor of Public Health

76 different graduate programs

Engineering is awarding the most degrees (163; 23.4%), followed by Physical Sciences (121; 17.3%), Social Sciences (82; 11.7%), Education and Information Studies (66; 9.5%), Humanities (61; 8.7%), Life Sciences (53; 7.6%), Public Health (38; 5.4%), Health Sciences (31; 4.4%), Nursing (25; 3.6%), Music (15; 2.1%), Arts & Architecture (12; 1.7%), Management (11; 1.6%), Public Affairs (10; 1.4%), Theater, Film and Television (7; 1%), and Basic Biomedical Sciences (1; 0.1%).

Data are valid as of June 2021.

CLASS OF 2020-2021 DEGREE CANDIDATES

Major/Dissertation Chair & Co-Chair (when applicable)
Dissertation Title

DOCTOR OF EDUCATION

Leah G Alvarado Alarcon

Education/ Diane Durkin & Robert Cooper

Identifying the Effects and Support Needs of Foster Youth Counselors Experiencing Vicarious Trauma

Sarah Bang

Education/ Christina A. Christie

First-generation College Persistence: University-Assisted Schools and Their Influence on College Degree Attainment

Opal May Chambers

Education/ Megan Loef Franke

How Teaching Fractions to Elementary Students Looks in the Common Core Era

Zachary Wayne Cue JR

Education/ Sandra H. Graham & Christina Christie

Understanding African American High School Students' Attendance Patterns

Joanne N. Do

Education/ Mark Kevin Eagan Jr.

The Cost of Compliance: First-Generation College Students' Experiences Navigating the Financial Aid Process

Xianhui Grace Dong

Education/ William A. Sandoval

Leadership in the Age of Blended Learning: A Mixed Methods Comparative Case Study of Four Middle Schools

Zuheyy Espinoza

Education/ Kimberley Gomez

The Geography of Community: Understanding the Role of a Regional Comprehensive University as an Anchor Institution in Los Angeles

Brenda Anahi Galvez

Education/ Diane Durkin & Kimberley Gomez

The Academic Perceptions of Visual and Performing Arts Transfer Students in Research Institutions

Adrian Julian Gumpert

Education/ Kimberley Gomez

The Use of a Computer-Supported Learning Design to Support Oral Language Development among English Language Learners through the Design Process

Stanley Orlando Harris

Education/ Christina Christie

Implementing Innovative Technology to Support K-12 Public School Learning During COVID-19

* The names of doctoral graduates who placed a restriction on the release of personal information are not included in this listing.

Allison Jordan Hurtt

Education/ Robert Cooper

Running on Faith: Factors Contributing to Catholic School Principal Retention in the Archdiocese of Los Angeles

Marshaun R Hymon

Education/ Tyrone C. Howard & Megan Loef Franke

I Sing Because I'm Happy: The Perceived Impact of Participation in Choral Music on the Identity Development of Young Black Men

Ashley Lauren Ireland

Education/ Mark P. Hansen & Diane Durkin

Mixed Reality Simulation in Teacher Preparation Programs in the United States

Asako Kurosaka-Jost

Education/ Pedro Antonio Noguera

Neutral Doesn't Work: The Importance of Educators' Active Engagement in Creating Racially Inclusive Spaces for Students of Color at Predominantly-White Independent Schools

Rosanne Theresa Lopez

Education/ Jennie Katherine Grammer

Creating Meaningful Classroom Environments: How Do Teachers' Pedagogical Beliefs Affect the Implementation of Their Visual Displays in Elementary Classrooms?

Ruby Nobuko Nagashima

Education/ Carlos A. Torres

Fostering Value-Creative Global Citizens: Experiences of Students of Color in Service-Learning

Alyssa Kristine O'grady

Education/ Jose-Fe Martinez-Fernandez

The Perceived Effects of Teacher Evaluation Systems on Teacher Morale and Burnout in Los Angeles Charter Management Organizations

Naddia Cherre Palacios

Education/ Jessica Christine Harris

Campus Survivor Advocacy Services in Higher Education

Elena Perez

Education/ Marjorie E. Orellana & Diane Durkin

Building Sustainability: Dual Language Programs at the Middle School Level

Steven Patrick Richardson

Education/ Robert Cooper

Principal Selection: Leveraging the Behaviors, Skills and Experiences that Inform the Work of Effective School Leaders

Belen Sanchez

Education/ Mark P. Hansen

From Intended Enrollment to Actual Enrollment: A Statistical Analysis of Summer Melt

Sarah Anne Seinfeld

Education/ Megan Loef Franke

Thriving, Not Just Surviving: A Study of How Supervisors Build Resilience in New Teachers Entering High-Needs Schools

Jacquelyn Marie Sims

Education/ Kimberley Gomez

An Analysis of the Impact of Corequisite Support Classes New Placement Criteria on Community College Faculty Implementation Decision-Making

Vanessa Militza Tejada

Education/ Kimberley Gomez & Diane Durkin

Para Eso Estudiastes: How Latina Executives Navigate Higher Education Institutions

Ngoc Hong Tran

Education/ Carola E. Suarez-Orozco

“I Was Given a Second Chance”: Retrospective Life History Stories from Generation 1.25 Immigrant Students

Mark Spencer Wolf

Education/ Mark P. Hansen

Culturally Responsive Pedagogy in the AP Capstone Program

DOCTOR OF ENVIRONMENTAL SCIENCE AND ENGINEERING

Prasanna Krishna Krishnamurthy Reddiar

Environmental Science and Engineering/ Alan Irwin Barreca

Food Security Tipping Points: Using Remote Sensing to Improve Famine Early Warning Systems

Singyee Lucy Lin

Environmental Science and Engineering/ Timothy Malloy

Environmental Risk and Delay Analysis: Lessons Learned from the California High Speed Rail Project

Amanda Julia Zhang Wagner

Environmental Science and Engineering/ Richard F. Ambrose

Temporary Impacts to Wetlands in the Arid Southwestern United States Permitted by Section 404 of the Clean Water Act

DOCTOR OF MUSICAL ARTS

Irina Bazik

Music/ Jocelyn Hiu Ching Ho

Nocturnes in Great Variety: Reconsidering the Nineteenth-Century Nocturnes Through Women Composer-Pianists

Ryan Russell Brown

Music/ James Bass

“We Tell Each Other Stories”: Musical Dramaturgy in Craig Hella Johnson’s Considering Matthew Shepard

Xenia Deviatkina-Loh

Music/ Moses Pogossian

John Cage’s Freeman Etudes: Their Role in Practice and Performance for Violinists

Stephen Francis Karr

Music/ Neal H. Stulberg

Appropriation, Identity and Adaptability: Musical and Social Considerations in *Suite aus den Orchesterwerken von Johann Sebastian Bach mit ausgeführtem Continuo zum Konzertvortrage bearbeitet von Gustav Mahler*

Erika Wilsen

Music/ Jocelyn Hiu Ching Ho & Elisabeth Covel Le Guin

A Lyrical Voice in Hollywood: French Horn Solos in Film, 1954-2012

DOCTOR OF NURSING PRACTICE

Ana Luisa Barajas

Nursing Practice/ Wendie A. Robbins

Inferior Vena Cava Filters: Aligning Practice with Evidence to Improve Patient Outcomes

Pamela Carter Bryant

Nursing Practice/ Mary-Lynn Brecht & Felicia S. Hodge

Educating College Students About Human Papillomavirus

Jackson Huang

Nursing Practice/ Dorothy J. Wiley

Triple Threat Takedown: Standardizing Extra-Genital Gonorrhea and Chlamydia Screening

Deeba Freshta Kazempoor

Nursing Practice/ Wendie A. Robbins

Healthcare Provider Education on Oseltamivir Resistance and Centers for Disease Control and Prevention Prescription Guidelines of Oseltamivir for Influenza

Rabya Choudhry Khalid

Nursing Practice/ Nancy T. Blake & Eufemia Jacob

Utilizing Meditation to Decrease Nurse Leader Stress and Burnout

Sara Kranke

Nursing Practice/ Paul Michael Macey

Reiki Therapy for Anxiety in Patients Receiving Botulinum Toxin Facial Injections

Rosemarie Lara

Nursing Practice/ Janet C. Mentis & Mary Cadogan

Medication Discrepancies during Hospital to Skilled Nursing Facility Transitions

Wan-Chun Lu

Nursing Practice/ Nancy A. Pike

Advanced Practice Registered Nurse Pre-Procedure Clinic for Interventional Radiology

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