129th Commencement

Saturday, June 11, 2022 at 9:30 a.m.
Stanford Stadium, Stanford, California
Order of Academic Procession

The Procession of Candidates for Degrees and of the Faculty will enter the stadium in the following order:

Vice Provost for Student Affairs, Chief Undergraduate Marshal
Flag of the United States of America
Flag of the State of California
Candidates for Bachelor's Degrees
Associate Vice Provost for Student Affairs, Chief Advanced Degree Marshal
Candidates for Advanced Degrees
Chair of the Faculty Senate, Chief Faculty Marshal
University Flag
Senate of the Academic Council
University Award Winners, Distinguished Guests
Faculty
Deans of Schools
Officers of the University
Chair of the Board of Trustees
Trustees
University President’s Flag
Dean and Senior Associate Dean for Religious & Spiritual Life
Provost of the University
Commencement Keynote Speaker
President of the University

FULL LISTINGS OF DEGREE CANDIDATES, STUDENT AWARDS, AND UNIVERSITY AWARDS CAN BE FOUND ONLINE AT HTTPS://COMMENCEMENT.STANFORD.EDU
Every effort has been made to ensure the accuracy of the online conferred degrees listings. However, listing online does not guarantee that a degree has been awarded. Confirmation of degrees awarded can be requested from the Office of the University Registrar. Contact the Office of the University Registrar in the event of any questions or discrepancies.

The speaker for the Baccalaureate Celebration at 4:00 p.m., Friday, June 10, in Frost Amphitheater was Reverend Dr. Yvette Flunder, Pastor of the City of Refuge United Church of Christ.
The Baccalaureate Student Address was given by Maddy Fish, Human Biology ’20.
Commencement Program

Processional
Stanford Jazz Workshop Commencement Ensemble
James Nadel, Artistic Director, Stanford Jazz Workshop & Lecturer, Department of Music

America, The Beautiful
Stanford Chamber Chorale
Stephen M. Sano, Professor, Department of Music & The Harold C. Schmidt Director of Choral Studies

Invocation & Stanford University Indigenous Land Acknowledgment
The Reverend Dr. T. L. Steinwert, Dean for Religious & Spiritual Life
Joseph Ironhawk Little (Oglala Lakota & Gabrieleño Tongva), B.A. Public Policy, ’20

Welcome
President Marc Tessier-Lavigne

Awards
Provost Persis Drell

Greetings to the Graduates & Keynote Speaker Introduction
President Marc Tessier-Lavigne

Keynote Address
Dr. France A. Córdova, ’69
Scientist, engineer and educator

Conferral of Degrees
Closing
President Marc Tessier-Lavigne

The Stanford Hymn
Stanford Chamber Chorale

Benediction
The Reverend Dr. Colleen Hallagan-Preuninger
Associate Dean for Religious & Spiritual Life and Director of Student Engagement

Recessional
Stanford Jazz Workshop Commencement Ensemble

Following the Benediction, members of the audience are asked to remain in their seats until the trustees, faculty, and President’s party have recessed from the stadium field.

AMERICA, THE BEAUTIFUL
O beautiful for spacious skies
For amber waves of grain
For purple mountain majesties
Above the fruited plain!
America! America!
God shed His grace on thee,
And crown thy good with brotherhood
From sea to shining sea

THE STANFORD HYMN
Where the rolling foothills rise
Up toward mountains higher,
Where at eve the coast range lies
In the sunset fire
Flushing deep and paling,
Here we raise our voices, hailed
Thee, our Alma Mater
Refrain
From the foothills to the bay
It shall ring,
As we sing,
It shall ring and float away,
Hail, Stanford, hail!
Hail, Stanford, hail!
2020 University Awards

Walter J. Gores Faculty Achievement Awards
By request of Professor Walter J. Gores, a Stanford alumnus, Class of 1917, the Walter J. Gores Faculty Achievement Awards have been established at Stanford. The awards are given annually in recognition of excellence in teaching in its broadest sense. Ordinarily, awards are given to a senior faculty member (associate or full professor) or a senior lecturer, a junior faculty member or member of the teaching staff, and a teaching fellow or assistant. A fourth award may be given for a special innovative contribution to teaching.

The following individuals are the 2020 recipients:

- **Allyson Hobbs**, Associate Professor of American History, Director of African & African American Studies, Kleinheinz Family University Fellow in Undergraduate Education
- **Samer Al-Saber**, Assistant Professor of Theater and Performance Studies
- **Aditya Grover**, Ph.D. Computer Science
- **Paul Nauert**, Ph.D. Candidate in History

Lloyd W. Dinkelspiel Awards
The Lloyd W. Dinkelspiel Award for Outstanding Service to Undergraduate Education at Stanford University is awarded annually to faculty or staff members and up to two members of the senior class who have made distinctive contributions to the development and enrichment of undergraduate education in its broadest sense.

Endowment for the awards was given in 1960 as a memorial by the family and friends of Lloyd W. Dinkelspiel, who served Stanford University with distinction for many years, most notably as President of the Board of Trustees from 1953 to 1958.

The following individuals are the 2020 recipients:

- **Harry J. Elam, Jr.**, President, Occidental College, and Olive H. Palmer Professor in Humanities, Emeritus
- **Liam McGregor**, B.A. Economics
- **Emily Polk**, Advanced Lecturer, Program in Writing & Rhetoric

Kenneth M. Cuthbertson Award
In 1981, faculty friends established an endowed fund as a tribute to Kenneth M. Cuthbertson, a Stanford alumnus, one of the University’s first vice presidents, and the internal architect and staff director of the Campaign for Stanford. It is given annually to recognize exceptional service to Stanford University and honors the recipient’s contribution to the goals of the University understood in their widest sense. The Cuthbertson Award is open to all members of the Stanford community.

The following individuals are the 2020 recipients:

- **Sue Crutcher**, Associate Dean for Human Resources and Faculty Affairs, School of Earth, Energy and Environmental Sciences
- **William S. Talbot**, Professor of Developmental Biology

The Academic Dress

Cap and Tassel
The cap also known as a “mortarboard” is black with a cloth cover. Bachelor's and master's candidates wear these caps. A tassel that hangs from the mortarboard may be black or reflect the colors of the academic institution. Generally, institutions require undergraduate candidates to wear the tassel on the right front side before degrees are conferred and to shift them to the left once degrees are awarded. Doctoral candidates and faculty wear what is known as a tam. The tassel on the tam is gold to reflect holders of a doctor's degree.

Gown
The bachelor’s, master’s, and doctor’s gowns differ slightly in pattern. The gown for master’s degree has oblong sleeves that open at the wrist. Only the doctor’s gown bears trimmings. These include a velvet facing that runs down the front of the gown and three velvet bars across each sleeve. The velvet may be black, or it may be the color appropriate to the subject in which the wearer holds their degree. Stanford doctoral robes are cardinal red and black with particolored sleeves lined with a color indicating the scholarly discipline of the wearer. These gowns are worn with a specially designed hood and a velvet tam.

Hood
The color(s) in the lining of the hood are those of the university or college which granted the degree. The binding or edging along the outer portion of the hood is the color of the subject in which the degree was granted.

- Arts, Letters, Humanities ........................................... White
- Business, Commerce, Accountancy ............................ Drab
- Communication, Journalism .................................... Crimson
- Economics .......................................................... Copper
- Education ........................................................... Light Blue
- Engineering ......................................................... Orange
- Fine Arts, including Architecture ............................... Brown
- Law ................................................................. Purple
- Medicine ............................................................. Green
- Music ................................................................. Pink
- Philosophy .......................................................... Dark Blue
- Science .............................................................. Golden Yellow
- Speech ............................................................... Silver Grey
- Theology ............................................................ Scarlet
The Flags of the University

The heraldic banners for the schools of the University combine the colors normally used on the hoods of the various disciplines with symbols illustrating the activities of the histories of the disciplines, particularly at Stanford. The element which appears in all the flags is a triple frond of the redwood tree. By long usage, the Palo Alto redwood tree has been taken as the symbol of the whole University. The triple frond is used to symbolize the botanical function performed by leaves, namely the synthesis involved in the organization, transmission, and generation of knowledge which takes place in the schools and on which the scholarly growth of the University vitally depends. This common function of the schools is represented in the cardinal red university flag, with its redwood frond in a white circle.

Humanities and Sciences
White (silver) for the arts and yellow (gold) for science are combined in this flag with a red diagonal cross symbolizing the extent to which this school directs the studies of the majority of Stanford undergraduate students. The small black design element, the ermine, recalls the ermine-trimmed hood commonly worn by medieval scholars.

Law
Royal purple, the academic color of the law hood, is combined with a pattern of ermine on white. Ermine-trimmed robes are traditionally associated with justice, and the flag represents the dual concerns of law and justice.

Medicine
The green used for the degree hoods for medicine and allied subjects forms a background for the Aesculapian staff and serpent long used as the symbol for medicine. The geometric pattern of white on red repeats the design element so prominently displayed on the walls of the Medical School building.

Engineering
Orange, the color for the engineering hood, is used in the form of a flexible, expandable framework called a mascle, which illustrates the growth of this discipline in response to the growth of science and of public needs. The deep blue reflects the extensive commitment of Engineering to doctoral studies.

School of Business
The hood for this school—drab or biscuit—is not a heraldic color and is used sparingly on the flag. The design elements are the true knot, illustrating the unifying function of management, and the lion. The lion not only reflects the concern of this school with finance—the red lion representing gold—but also commemorates the first dean of the school, Professor Willard E. Hotchkiss, whose family bore the red lion on its coat of arms.

University Flag
This flag, which is intended for University-wide use, takes as its principal design element the triple redwood frond which is common to all the school flags.

Presidential Flag
The President's Flag is derived from the seal adopted by the University's first president, David Starr Jordan. The Palo Alto redwood tree represented in its natural colors, on a white ground, is set off from the cardinal red field by the same decorative ring used around the edges of the University seal.
Location of School, Department, and Program Celebrations

School and department celebrations occur at various times and locations throughout the weekend across campus. Please see the Commencement Weekend website for dates and times of events. This list specifies the location of each department's celebration and, if different, its reception. The locations can be identified by the number and grid reference corresponding to the map on the next page. Celebrations in the Main Quadrangle also have the notation “MQ” (e.g., MQ Bldg. 40).

Main Commencement Exercises, Stanford Stadium ................. ★ [K3]
Indoor Commencement Livestream, Maples Pavilion ................. 17 [G2]
Aeronautics and Astronautics,
CEMEX Auditorium / KMC - GSB Bowl ............................... 1/2 [F4/F2]

African and African American Studies,
Tresidder Memorial Union, Oak Room ................................. 3 [B8]
African Studies, Center for, Galvez Modular Lawn ................. 9 [D5]
American Studies, Ford Center Grove ................................. 4 [F5]
Anthropology, Papua New Guinea Sculpture Garden ................. 5 [B9]

Applied Physics,
Hewlett Bldg., Rm. 200 / Varian Physics Patio ....................... 45/46 [E10]

Art and Art History, McMurtry Building ............................. 6 [H10]
Asian American Studies, LoMita Mall Lawn, near MQ Bldg. 360 ........................................ 6 [H10]

Bioengineering, Science & Engineering Quad SE Lawn ........... 7 [D10]
Biology, Bass Biology Building, Notlop Courtyard .................. 8 [G10]

Chemical Engineering,
Science & Engineering Quad SE Lawn ............................... 12 [D10]
Chemistry, Sapp Center for Science Teaching & Learning
Auditorium and Courtyard .................................................. 13 [G9]
Chicano/Latino Studies,
LoMita Mall Lawn, near MQ Bldg. 360 ................................ 15 [D6]

Civil and Environmental Engineering,
Memorial Auditorium / Memorial Auditorium East Patio .......... 14 [F6]

Classics,
Front of Green Library by Centennial Fountain ..................... 15 [D6]

Communication, Memorial Court ........................................ 16 [E8]

Comparative Literature,
Dinkelspiel Auditorium / MQ Oregon Courtyard .................. 19/20 [B7/D7]

Comparative Studies in Race and Ethnicity,
LoMita Mall Lawn, near MQ Bldg. 360 ................................. 19/20 [B7/D7]

Computer Science,
Maples Pavilion / Chuck Taylor Grove .................................. 17/18 [G2/13]

Earth, Energy & Environmental Sciences, School of,
Mitchell Earth Sciences Bldg., North Patio ......................... 52 [C9]

East Asian Languages and Cultures, Littlefield Courtyard ....... 21 [G7]
East Asian Studies, Littlefield Courtyard .............................. 21 [G7]
Economics, Hoover Tower Front Lawn ................................. 22 [E6]

Education, Graduate School of,
Carnegie Court .............................................................. 27 [C5]

Electrical Engineering, Sand Hill Fields ................................. 23 [G16]

English, Memorial Church / MQ Bldg. 60 Arcade .................. 24/25 [D8]

Feminist, Gender, and Sexuality Studies,
Ford Center Grove ......................................................... 4 [F5]

Film and Media Studies, McMurtry Building ......................... 6 [H10]

French and Italian Studies,
Dinkelspiel Auditorium / MQ Oregon Courtyard .................. 19/20 [B7/D7]

German Studies,
Dinkelspiel Auditorium / MQ Oregon Courtyard .................. 19/20 [B7/D7]

Graduate School of Business (GSB), Frost Amphitheater ......... 26 [H6]
History, Hewlett Bldg., Law ............................................. 28 [E10]

Human Biology,
Center of MQ / MQ East, front of Bldg. 20 .......................... 29/30 [D8/27]

Iberian and Latin American Cultures,
Dinkelspiel Auditorium / MQ Oregon Courtyard .................. 19/20 [B7/D7]

Institute for Computational & Mathematical Engineering,
SEQ, Mackenzie Room (Room 300), Huang Bldg. .................. 31 [D10]

International Policy Studies, Encina Hall Lawn ..................... 32 [E4]

International Relations,
Dohmann Grove, adjacent to Art Gallery ........................... 33 [E6]

Jewish Studies, LoMita Mall Lawn, near MQ Bldg. 360 ............ 10 [D9]

Latin American Studies, Bolivar House, Alvarado Rd. ............. 34 [A4]

Law, School of,
Canfield Court / Crocker Garden / Wilbur Field .................. 53/54/55 [B6/B6/B3]

Linguistics, Koret Park, between Graduate School of Education 
& Meyer Green .............................................................. 35 [D6]

Management Science and Engineering,
School of Medicine Alumni Green .................................... 36 [F12]

Master of Liberal Arts,
Keith Memorial Terrace behind Memorial Church ................... 37 [C8]

Materials Science and Engineering,
Nvidia Auditorium, Huang Bldg. ....................................... 38 [D11]

Mechanical Engineering,
Maples Pavilion / Chuck Taylor Grove ................................ 40/41 [G2/13]

Medicine, School of,
School of Medicine Alumni Green / Dean's Lawn ................. 56/57 [F12/G11]

Music, Braun Music Center, Campbell Recital Hall / 
Braun Court ................................................................. 42/43 [B7/B6]

Native American Studies,
LoMita Mall Lawn, near MQ Bldg. 360 ................................. 10 [D9]

Philosophy, MQ Bldg. 90 Arcade ........................................ 44 [E8]

Physics, Hewlett Bldg., Rm. 200 / Varian Physics Patio ........... 45/46 [E10]

Political Science, Crothers Courtyard ................................ 47 [D4]

Psychology, Ford Center Plaza / Antilaga Center for 

Public Policy, Toyon Hall Lawn .......................................... 50 [D4]

Religious Studies, Bldg. 310 Lawn ....................................... 51 [D8]

Russian, East European and Eurasian Studies,
Bechtel Courtyard, Encina Hall .......................................... 11 [E4]

Science, Technology, and Society, West Oval Grove ............. 58 [F9]

Slavic Languages and Literature,
Dinkelspiel Auditorium / MQ Oregon Courtyard .................. 19/20 [B7/D7]

Sociology, East Oval Grove ................................................ 59 [F7]

Statistics, Serra Grove and LoMita Grove
adjacent to Math Corner, MQ Bldg. 380 ............................... 60 [E9]

Symbolic Systems,
Kennedy Grove, behind the Humanities Ctr. ......................... 61 [B8]

Theater and Performance Studies, Rolby Gym Courtyard ........ 62 [B10]

Urban Studies, East Oval Grove ......................................... 59 [F7]

Visitor Information Center, Galvez & Campus Drive .............. 65 [I4]

Information Tables, Stadium Gates 2, 4 & 5 ........................ ★ [K3]

Information Table, Front Steps of Main Quadrangle ............... 66 [E8]

Information Table, Corner of Galvez & Jane Stanford Way ...... 67 [E5]

Information Table, Sam MacDonald Mall ............................ 68 [H4]

Information Table, Galvez & Memorial Way ......................... 69 [G5]

Information Table, Jane Stanford Way / Lasuen Mall ............. 70 [E7]

A Note for Faculty & Graduates: The Bookstore is open Sunday 
and Monday for return of rented academic regalia.
Stadium Information

Department of Public Safety
In case of emergency, dial 911. Seek assistance from uniformed officers or security located in various areas in and around the stadium. Non-emergency police dispatch: 650-329-2413.

Medical Stations and Emergency Medical Technicians
In case of emergency, dial 911. Look for red cross signs posted around stadium where additional medical assistance is available or seek assistance from any staff member or EMT on-site.

Lost Child/Family Member
Lost family members will be escorted to Gate 2 by a Department of Public Safety officer who will remain with them until they are reconnected with family.

Lost and Found
For lost items, visit gostanford.com and click on Fans in the main menu, then select Lost & Found. Found items may be turned in to any staff member or at the Stadium Operations Office inside Gate 1, 650-723-1949.

For items lost or found at other campus locations, email lostandfoundsu@stanford.edu.

Bag Check
The bag check tent is open from 7:30 a.m. to 12:30 p.m. Items left after closing will be brought to the Stadium Operations Office (650-723-1949) inside Gate 1.