



5-7-2011

# School of Engineering and Computer Science, Diploma and Hooding Ceremony

University of the Pacific

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# School of Engineering and Computer Science

## Diploma and Hooding Ceremony

Saturday, May 7, 2011 ↗ 1 pm  
*Faye Spanos Concert Hall*

University of the Pacific  
Stockton, California

# ACADEMIC PROCESSION

**Banner Bearer**

**Faculty Marshals**

**Candidates for the  
Bachelor of Science Degree**

**Candidates for the blended  
Bachelor of Science Degree  
and Master of Science in  
Engineering Science Degree**

**Candidates for the  
Master of Science in Engineering  
Science Degree**

**Faculty of the School of  
Engineering and Computer Science**

**Dean of the School of  
Engineering and Computer Science**

# PROGRAM

*Dean Ravi Jain, Presiding*

**Prelude** . . . . . *Selections from Elgar's Marches*

Guests will please remain seated during the processional.

## **Processional**

“Pomp and Circumstance,”  
March No. 1 in D, Op. 39  
Sir Edward Elgar

**Invocation** . . . . . *Reverend Harold O. Clinehens*

**Welcome** . . . . . *Dean Ravi Jain*

**Valedictory Address** . . . . . *Mr. Robert Galetto*

**Presentation of Graduates** . . . . . *Professor Ken Hughes*  
*Assistant Dean Gary Martin*

**Concluding Remarks** . . . . . *Dean Jain*

**Pacific's Alma Mater** . . . . . *Phi Mu Alpha Sinfonia*  
“Pacific Hail!”  
Lois Warner Winston '23, '58

**Benediction** . . . . . *Reverend Clinehens*

**Recessional**. . . . . *Selections from Elgar's Marches*

A reception honoring the graduates of the School of Engineering and Computer Science will be held immediately following the Diploma and Hooding Ceremony on the lawn north of Faye Spanos Concert Hall. Parents, students, faculty, honored guests and friends are cordially invited to attend.

# DEGREES CONFERRED

## *Bachelor of Science, Bioengineering*

Pei Hsin Cheng  
Annie Cheung  
Kyle Allen Barr Glick  
Andrew Landgraf  
Sylvia T. Le  
Royceton Tinley Lee  
Niharika R. Mandadi  
Nicholas C. Merrier  
Fanny Sha Mui  
Michael James O'Brien  
Sneha Naresh Parmar  
Pooja Y. Shah  
Kristin Nicole Taylor  
James B. Toste  
Tyler Van Hensbergen\*\*  
Elysa Wadler\*\*

## *Bachelor of Science, Civil Engineering*

Kyle Emerson Accornero  
Shannon Elizabeth Barcal\*  
Andria Patricia Ellis  
William Francis Grant  
René Guillén  
Allison Akemi Ichikawa  
Matthew James Jessee  
Matthew Allen Lemmon\*  
Noe Refujio Meza  
Jeffrey K. Neuenburg  
Linh Nguyen  
Kelsi Nagisa Oshiro  
Audrey Shi-Ching Puah\*\*  
Ruben Solis Jr.  
Hunter Todd Steers  
Courtney Kauapō'ailani Supe\*\*  
Jeffrey Sanchez Valeros  
Vegerd Veskimägi  
Michael Zubrzycki

## *Bachelor of Science, Computer Engineering*

Wayne Edison Arnold  
C. Ross Bennett\*  
Nicolas Ryne Fujita  
Robert Gregory Galetto\*\*\*  
Todd Andrew Heino\*  
Samuel Philip Winlock\*\*

## *Bachelor of Science, Electrical Engineering*

Ahmed Jaffer AlShammasi  
Joshua S. Benjestorf  
Todd Andrew Heino\*  
Duxing Mou\*  
Kyle Perez Pace  
Rigel Pernada Taylan  
Joseph Ginta Turner\*  
Samuel Philip Winlock\*\*  
Lor Yang  
Nathan Edward Yee

## *Bachelor of Science, Engineering Management*

Mohammed Abdullah Alshehri  
Mutasimblallah N. Aljawharji  
Wayne Edison Arnold  
Dustin Dinh  
Mohammed Inani  
Michael Charles Derr Lewis  
Jennifer C. Loi\*  
Julio Cesar Luna  
Kiet Luong\*\*  
Tory Umberto Passalacqua  
Stuart Daniel Pollock  
Joshua Paul Thomas  
Rebecca Ismaela Torres

## *Bachelor of Science, Engineering Physics*

Robert Nevin Arriaga\*\*  
Juan Garcia  
Erin Rebecca Hardy\*\*

## *Bachelor of Science, Mechanical Engineering*

Robert D. Berry  
Steven Cai  
Robert Andrew Camfield  
Connor Mark Halberg  
Miguel Angel Hernandez  
Robert Joseph LaDuca  
Bradley Scott Roan  
Carl Albert Weinstein\*

## *Bachelor of Science*

Aparna Adlakha  
Thamer Rashed AlHajri  
C. Ross Bennett\*  
Sharon Nicole Chávez\*  
Stephanie R. Choate\*\*  
Richard Wayne Cookerly III  
Bryan Crain  
Daniel J. Fedor-Thurman  
Douglas Glenn Frisbie\*\*  
Tony Hoern  
Elysha Rachael Mayer\*\*  
Garret Barton Miramontes  
Travis W. Moy\*  
Parker D. Ruhstaller  
Harpreet Singh Bola  
Huaguang Song\*  
Chad Robert Strawinski  
Prakash Bimal Surya\*\*  
Michael Wing Hoon Yasutake

## *Master of Science, Engineering Science*

Jordan Keith Baldwin  
C. Ross Bennett  
Delicia Heidi Borja  
Steven Andrew Carrick  
Michael Patrick Catania  
Franklin Domingo Corpuz  
James Edwards  
Nicholas Brian Gillett  
Michelle Hawley  
Feliciano Leon  
Brett Eugene Little  
Randolph Noriega  
Christina Marie Ramirez  
Cameron David Ross  
Jeffrey Curtis Rubino  
Nicholas James Rummel  
Alberto Giovanni Sanchez  
Christopher Mark Stanton  
Ashley Stubblefield  
Luis Manuel Torres  
Josephine Maily Trinh  
Matthew John Varni

\*Cum laude \*\*Magna cum laude \*\*\*Summa cum laude

*The list of names as it appears in this program includes actual and potential graduates for the 2010–2011 academic year. The above “graduation with honors” distinctions are contingent upon final grade point average calculations at the completion of all relevant degree requirements. The official list of graduates and honors awarded for each graduation date of the 2010–2011 year is maintained by the University Registrar.*

# HONOR SOCIETY INDUCTEES

## Phi Kappa Phi

*Among honor societies that induct members from all academic disciplines, Phi Kappa Phi, founded in 1897, is the nation's oldest, largest, and most selective. Invitation is extended to graduating seniors and graduate students in the top 10% of their class, and to juniors in the top 7.5% of their class. The mission of the society is to recognize and promote academic excellence and to engage the community of scholars in service to others.*

Robert Nevin Arriaga  
Douglas Glenn Frisbie  
Todd Andrew Heino  
Courtney Kauapō'ailani Supe  
Tyler Van Hensbergen  
Elysa Wadler  
Samuel Winlock

## Tau Beta Pi

*Founded in 1885 to recognize those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character as undergraduates in the field of engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in the engineering colleges, Tau Beta Pi is the only national scholastic engineering honor society which recognizes academic excellence in all engineering disciplines.*

Robert Nevin Arriaga  
Shannon Elizabeth Barcal  
Christopher Ross Bennett  
James Edwards  
Robert Gregory Galetto  
Erin Rebecca Hardy  
Todd Andrew Heino  
Michelle Hawley  
Kiet Luong  
Duxing Mou  
Kelsi Nagisa Oshiro  
Audrey Shi-Ching Puah  
Christina Marie Ramirez  
Nicholas James Rummel  
Courtney Kauapō'ailani Supe  
Joseph Ginta Turner  
Tyler Van Hensbergen  
Elysa Wadler  
Carl Albert Weinstein  
Samuel Philip Winlock

# AWARDS

## Outstanding School of Engineering and Computer Science Graduate

Robert Nevin Arriaga

## Academic Excellence

Bioengineering – Tyler Van Hensbergen  
Civil Engineering – Audrey Shi-Ching Puah  
Computer Engineering – Robert Gregory Galetto  
Computer Science – Douglas Glenn Frisbie  
Electrical Engineering – Samuel Philip Winlock  
Engineering Management – Kiet Luong  
Engineering Physics – Robert Nevin Arriaga  
Mechanical Engineering – Carl Albert Weinstein

## Outstanding Graduate

Bioengineering – Royceton Lee  
Civil Engineering – Noe Refujio Meza  
Computer Engineering – Samuel Philip Winlock  
Computer Science – Stephanie Choate and Prakash Bimal Surya  
Electrical Engineering – Todd Andrew Heino  
Engineering Management – Tory Passalacqua and Stuart Pollock  
Engineering Physics – Robert Nevin Arriaga  
Mechanical Engineering – Connor Mark Halberg

## Outstanding Co-op

Todd Andrew Heino

## Who's Who in American Universities

Kyle Emerson Accornero  
Robert Nevin Arriaga  
Shannon Elizabeth Barcal  
Stephanie Choate  
Andria Patricia Ellis  
Robert Gregory Galetto  
Matthew Allen Lemmon  
Travis Moy  
Audrey Shi-Ching Puah  
Huanguang Song  
Courtney Kauapō'ailani Supe  
Prakash Bimal Surya  
Tyler Van Hensbergen  
Carl Albert Weinstein  
Samuel Philip Winlock

# HISTORY OF THE SCHOOL

## The School of Engineering and Computer Science

Engineering instruction at University of the Pacific began in 1924 as an area of concentration within College of the Pacific, producing some truly outstanding graduates. In 1958, the engineering program moved from College of the Pacific under the direction of its own dean, and became the School of Engineering. Bachelor's degrees were first offered in civil and electrical engineering and engineering management. The curricula in civil and electrical engineering were accredited in fall 1971 by the Engineering Council of Professional Development, now called the Accreditation Board for Engineering and Technology (ABET).

That same year, the School adopted a mandatory cooperative education program as a requirement for graduation, providing practical, paid engineering work experience that enhances the student's academic preparation by relating theory to practice. In 1997, the School launched the Engineering Industry Fellowship program, which provides eligible students four years of paid industry experience, an industry mentor and an annual scholarship.

The degree program in computer engineering was offered in 1978 and programs in engineering physics and mechanical engineering were instituted in 1981 and 1982. All three programs subsequently received ABET accreditation. Bioengineering is the school's newest program, approved in 2000.

The computer science program was accredited by the Computer Science Accreditation Commission (also now ABET) in fall 1990 as a program in College of the Pacific. Computer Science joined the School of Engineering in 2002, creating the School of Engineering and Computer Science.

The Board of Regents approved the Master of Science in Engineering Science (MSES) graduate program in April 2009. The program was successfully launched in fall 2009, with a concentration in civil engineering. In fall 2010, three additional concentrations were added: electrical/computer engineering, computer science, and mechanical engineering. While laying the foundation for a graduate program, the School streamlined its undergraduate curriculum, generated over \$8 million in external research funding, and recruited three new faculty members with extensive teaching, research and industry experience.

The new 24,000-square-foot John T. Chambers Technology Center opened for classes in fall 2010. The \$12 million facility serves as the new home of the School of Engineering and Computer Science and provides a strong foundation for the new MSES graduate program. Equipped with the latest technology, the Chambers Technology Center contains lecture rooms, faculty offices, conference rooms, and collaborative research and teaching laboratories where students work directly with industry and government agencies to focus on modern innovations. The Chambers Technology Center will be Pacific's second building to receive LEED (Leadership in Energy & Environmental Design) certification as a green building.

The School of Engineering and Computer Science has cast a mission statement "to provide a superior, student-centered learning environment which emphasizes close faculty-student interaction and cooperative education in order to prepare graduates who excel in engineering and computer science professions, are qualified to pursue advanced degrees and possess the technical knowledge, critical thinking skills, creativity and ethical values needed for leadership in developing and applying technology for the betterment of society and sustaining the world environment."

# PROFILE OF PACIFIC

University of the Pacific is an independent, coeducational university serving more than 6,000 students on three campuses in Stockton, San Francisco and Sacramento. It was established by pioneer Methodist ministers in 1851 as California's first chartered institution of higher learning. Pacific has earned widespread recognition for its student-centered approach to education, its many innovations, and the accomplishments of its 55,000 living alumni.

As an innovator and leader in higher education, Pacific provided the West Coast with its first medical school in 1858 (which later became part of Stanford, and today is California Pacific Medical Center), its first coeducational campus in 1871, and its first conservatory of music in 1878. In the 1960s, Pacific was the first university in the nation to offer "cluster colleges."

It was the nation's first to offer an undergraduate teacher corps program, the first to send an entire class to an overseas campus, the first to establish a Spanish-speaking inter-American college, and the first to offer a four-year graduation guarantee. With its move from San Jose to Stockton in 1924, Pacific became the first private four-year university in the Central Valley.

Shortly after occupying the new campus, Pacific established one of California's earliest schools of education. It was renamed the Gladys L. Benerd School of Education in 1992 in honor of the alumna's endowed gift.

Pacific has enjoyed extraordinary stability in administration. Dr. Pamela A. Eibeck began her service in 2009 as the sixth President since the University's move to Stockton in 1924 and the 24<sup>th</sup> since its founding in 1851. The University experienced its greatest growth and an expansion into graduate and professional education under the administration of Dr. Robert Burns (1947–1971). The School of Pharmacy opened in 1955. It is now the Thomas J. Long School of Pharmacy and Health Sciences, in honor of the benefactor and University Regent who, with his brother Joseph Long, founded Longs Drugs Stores. In 1956 the graduate school was created, and in 1957 the School of Engineering was established. Computer Science joined the school in 2002, and it was renamed the School of Engineering and Computer Science.

In 1962, the College of Physicians and Surgeons, a school of dentistry founded in San Francisco in 1896, was acquired by the

University and became the San Francisco campus. In 2004, the school was named the Arthur A. Dugoni School of Dentistry in honor of its dean of 28 years. It was the first time any university in the United States or Canada had named its dental school for the current dean.

A new concept in higher education in the United States found expression in the establishment of cluster colleges in the 1960s. These colleges adapted the Oxford and Cambridge model to an American setting, integrating faculty and students into living and learning communities. Raymond College was established in 1962, followed by Elbert Covell College in 1963, the first bilingual-bicultural college in the country. Callison College, established in 1967, focused on non-Western studies with a year of study in an Asian culture. The cluster colleges were absorbed into the rest of the University in 1982. Their emphasis on global education continued in a new School of International Studies, the first university-based undergraduate school of international studies in California. The learning community concept of the cluster colleges was strengthened in College of the Pacific, the liberal arts and sciences core of the University, recognized for preparing responsible citizen leaders who will contribute in lasting ways to careers and communities.

The expansion of graduate and professional education continued when McGeorge College of Law, an independent law school founded in Sacramento in 1924, merged with the University in 1966 as Pacific McGeorge School of Law. In 1977, the department of business administration in College of the Pacific was reorganized as the School of Business and Public Administration. In 1995 it was renamed Eberhardt School of Business in honor of the Eberhardt family's endowed gifts. In 1985, programs designed specifically for adult re-entry students were reorganized and revitalized through University College, now the Center for Professional and Continuing Education.

Over the last twenty years, Pacific has advanced its legacy of innovation and leadership. In 1992 the University offered the nation's first "four-year guarantee," a promise to students that they will graduate on time if they meet certain requirements. Under the leadership of President Donald DeRosa (1995–2009), the University invested in more than \$200 million in facilities renovation and construction projects on all three campuses. Pacific initiated distinctive accelerated programs that enabled

students to complete undergraduate studies in combination with professional degrees in pharmacy, law, dentistry and business. The University intensified its commitment to experiential learning, including undergraduate research, internships, community service and education abroad. Pacific also launched an environmental sustainability initiative and instituted the Powell Scholars Program, a premier scholarship program for undergraduate student leaders.

In 1999 jazz legend Dave Brubeck and his wife Iola, both Pacific graduates, announced that their papers, recordings and memorabilia would be deposited at Pacific for study and research. In response to this gift, a treasure of historic American music and memorabilia, the University established The Brubeck Institute for the study, promotion and performance of American music.

University of the Pacific began its latest chapter when Dr. Pamela A. Eibeck assumed the presidency in July 2009. Just one month later, the University and Stockton communities gathered on the lawn of the Don and Karen DeRosa University Center to celebrate as Regent José Hernandez '85 launched into space aboard the Space Shuttle Discovery. That fall Pacific sent all of its incoming students on MOVE — the Mountains, Oceans, Valley Experience — an award-winning experience designed to welcome new students to the Pacific community through participation in experiential learning and service projects throughout Northern California.

After an extensive first-year listening campaign, President Eibeck identified seven institutional priorities for the University's future: enhancing the academic enterprise; developing and managing resources; strengthening ties between Pacific's three cities; establishing and communicating the University's core identity; enriching diversity and inclusivity; serving community through partnerships at the local, national and global levels; and expanding international competence as a hallmark of a Pacific education. President Eibeck's listening campaign also inspired the *Beyond Our Gates* community engagement initiative. The President convened six forums throughout spring 2010 to listen to the community's needs and goals. The forums covered topics crucial for the region: healthcare; the economy; energy and the environment; education; diversity; and arts and culture. As a result of community feedback, in November 2010 President Eibeck proposed a new series of University and community

partnerships. These include increased communication and awareness; keeping the community's interests in mind as the University makes operational and business decisions; continued biannual forums about key regional issues; and improving local K-12 college readiness. One highlight of the college readiness partnership will be *The Tomorrow Project*, an intensive, multi-year engagement with our region's youth. More information can be found at [www.beyondourgates.org](http://www.beyondourgates.org).

Pacific continues to enjoy national recognition for its leadership in higher education. The University has been listed as a "Best Value" (Top 50) every year since 2000 and is consistently ranked among the top 100 national universities in the country. Undergraduate applications have soared from approximately 5,300 in 2008 to over 20,000 in 2011. This fall, Pacific welcomed the largest freshman class in its history, from its most competitive application process to date. The University remains committed to its personal, student-centered approach. Faculty and staff are dedicated to excellence in teaching. Highly interactive student-faculty relations and a broad array of co-curricular activities that develop students' abilities are hallmarks of the Pacific experience.

# SCHOOL AND COLLEGE BANNERS

School and college banners signifying each of the academic units of the University precede a unit's faculty in the procession and are displayed during the ceremony. The color of the banner symbolizes the academic discipline.

**College of the Pacific** — The golden yellow field of this banner represents the sciences, while the white letters signify the arts and humanities. Founded in 1851, the College of the Pacific is the largest and oldest academic unit.

**University Library** — This banner's lemon-yellow color represents the library sciences. The Library has supported teaching, learning and scholarship since Pacific's founding in 1851. It is home to many special collections, including the papers of naturalist John Muir and musician Dave Brubeck.

**Conservatory of Music** — The tradition of representing music with the color pink originated at Oxford University. Pacific's Conservatory, established in 1878, is the oldest university-affiliated school of music in the West.

**Arthur A. Dugoni School of Dentistry** — The lilac color of dentistry forms the field for this banner. Founded in 1896 as the College of Physicians and Surgeons, the School became part of the University in 1962. It is named in honor of the alumnus who served as dean of the school from 1978 to 2006.

**Pacific McGeorge School of Law** — Purple, a color traditionally associated with royalty and governance, represents the law. Named in honor of its founder, Verne Adrian McGeorge, the School opened in 1924 and merged with Pacific in 1966.

**Gladys L. Benerd School of Education** — The light blue field signifies disciplines related to education. The School is named in honor of the distinguished alumna who bequeathed the school with an endowment. It was founded in 1924 when the University moved to Stockton.

**Thomas J. Long School of Pharmacy and Health Sciences** — Pharmacy is represented by olive green, a color associated with healing herbs. The School, established in 1955, is named for the benefactor and Regent who, with his brother Joseph, founded Longs Drugs Stores.

**Research and Graduate Studies** — Red-orange signifies this division, which was established in 1956 as Pacific expanded its graduate degree offerings.

**School of Engineering and Computer Science** — This banner's orange represents the engineering and computer science disciplines. Pacific's School of Engineering and Computer Science was founded in 1957 from a department that dates to the 1930s.

**Eberhardt School of Business** — The School's banner features an olive brown field. Founded in 1977, the School was renamed in 1995 in honor of the Eberhardt Family's endowed gifts.

**School of International Studies** — Peacock blue symbolizes the field of international studies. The School was established in 1987 with a gift from George and Isabelle Wilson.

# SIGNIFICANCE OF ACADEMIC REGALIA

Distinctive academic dress can be traced back to the universities of the Middle Ages when university students and faculty wore the robes of the clergy. Today three ranks of degrees are distinguished through variations in the robes, which also indicate the discipline and the university that awarded the degree.

In the United States, gowns generally are black. The color of the edging of the hood and occasionally the color of the facing and crossbars on the doctoral gown indicate the field of learning in which the degree is awarded. The colors of the lining of the hood are those of the institution awarding the degree. Generally, bachelor's and master's tassels are black, and doctoral tassels are gold. After graduation the tassel is worn on the left side of the Mortarboard. An individual's degree is revealed by the type of gown and width of the edging on the hood.

Bachelor's gowns have full, pointed sleeves with no trimming. Hoods have a two-inch edging. Master's gowns prior to 1960 had full, closed sleeves with the arm emerging through a slit at the elbow. In 1960, the gown was modified replacing the elbow slit with an opening at the wrist, and the gown was made to close. Hoods have a three-inch edging. Doctor's gowns are of silk, have rounded sleeves, velvet facing down the front and three velvet crossbars on each sleeve. Hoods have side panels and a five-inch facing.



## *Pacific Hail!*

Words and Music by  
Lois Warner Winston '23, '58

*From o'er the rugged mountains  
standing high;*

*From out the broad low valleys,  
'neath the sky;*

*Our alma mater calls, we cannot fail,*

*Our voices blend in praise,*

*Pacific Hail! Pacific Hail!*

*Long may her flaming torch give out its light;*

*Long may her spirit guide us in the right;*

*To her we pledge our hearts,*

*We dare not fail;*

*To her we raise our song,*

*Pacific Hail! Pacific Hail!*

**School of Engineering and  
Computer Science**

**209.946.2151**

**[www.Pacific.edu/ENG](http://www.Pacific.edu/ENG)**