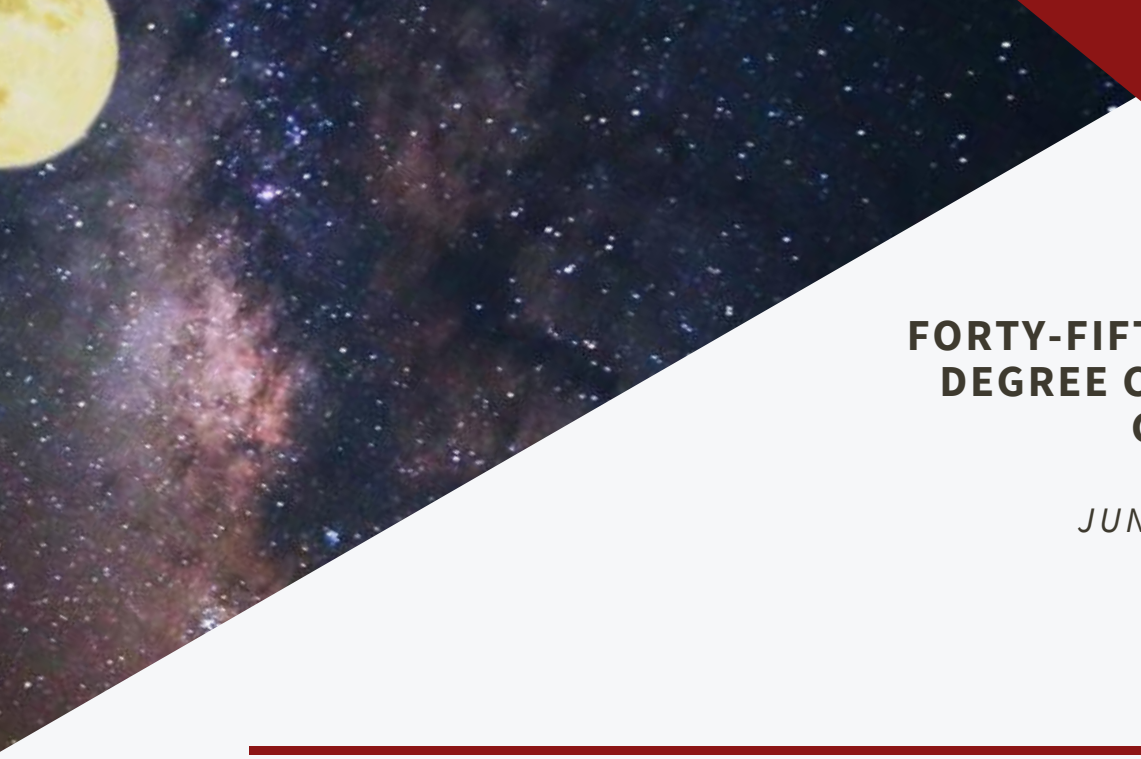
Stanford | ENGINEERING
Aeronautics & Astronautics

COMMENCEMENT CEREMONY

JUNE 18, 2023

CEMEX AUDITORIUM



FORTY-FIFTH ANNUAL DEGREE CONFERRAL CEREMONY

JUNE • 18 • 2023

PRESENTED BY:

WELCOME AND INTRODUCTION OF FACULTY

PROFESSOR
CHARBEL FARHAT

PRESENTATION OF DIPLOMAS

DEGREE OF BACHELOR OF SCIENCE
DEGREE OF MASTER OF SCIENCE

PROFESSOR
JUAN ALONSO

DEGREE OF DOCTOR OF PHILOSOPHY

PROFESSOR JUAN ALONSO
PROFESSOR MANAN ARYA
PROFESSOR BRIAN CANTWELL
PROFESSOR SIMONE D'AMICO
PROFESSOR SIGRID ELSCHOT
PROFESSOR CHARBEL FARHAT
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PROFESSOR STEPHEN ROCK
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PROFESSOR TODD WALTER

FORTY-FIFTH ANNUAL DEGREE CONFERRAL CEREMONY

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ENDOWED BY BERNARD ROSS
PRESENTED BY PROFESSOR JUAN ALONSO

BALLHAUS PRIZE FOR BEST PH.D. THESIS
PRESENTED BY PROFESSOR JUAN ALONSO

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ENDOWED BY THE CHIANG FAMILY
PRESENTED BY PROFESSOR CHARBEL FARHAT

DR. SHARON KAY STANAWAY FELLOWSHIP
PRESENTED BY PROFESSOR CHARBEL FARHAT

AERO/ASTRO OUTSTANDING STAFF AWARD
PRESENTED BY PROFESSOR CHARBEL FARHAT

JAMES AND ANNA MARIE SPILKER AWARD
PRESENTED BY ANNA MARIE SPILKER

SOE JUSTICE, EQUITY, DIVERSITY AND INCLUSION AWARD
PRESENTED BY PROFESSOR CHARBEL FARHAT

CENTENNIAL TA AWARD
PRESENTED BY PROFESSOR CHARBEL FARHAT

AIAA STUDENT CHAPTER AWARDS FOR EXCELLENCE IN TEACHING
PRESENTED BY LAUREN SIMITZ, AIAA STANFORD CHAPTER

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HEITNER, SANTIAGO NICOLAS GUIBERT
HERRSCHER, JACOB THOMAS ✳
JONJAK PLAHN, COLTON SOWUN SKY
JUAREZ, ISABELLA KARYNN ✳
REIVERS, PHOENIX SAGE
SHUKLA, ADITEYA ◇
SUI, ANGELO XIN
TAN, MATTHEW
ARMOUR, GRAYSON (IDMEN - Aerospace Computational Engineering)
NGUYEN, JADE (IDMEN - Bioastronautics Engineering)

◇= Honors in the major ✳=Tau Beta Pi member

MASTER OF SCIENCE, AERONAUTICS & AERONAUTICS

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ATIQ, YAMAAN MOHAMMED
BEARDSLEE, JACOB M
BENHEIM, JACOB SAMUEL
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CHEN, KEVIN HSIAO-NING
CHEN, RYAN
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HOKAJ, IAN MICHAEL
HUSSAIN, TIMMY
KAWAMURA, KEGAN
KULDINOW, DEREK AMUR
LEE, ALVIN YIN WING
LLORACH, ENZO
LOW, YUEN WEI SAMUEL
MONTEMAYOR, JEREMIAH ALCANTARA
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NGUYEN, TAN DUC
NOMA, NATHAN KAZUO
OLUWALANA, DANIEL OLUWATOMISIN
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PORRELLO, CHRISTIAN
RICHTER, JONATHAN SCOTT
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SIMITZ, LAUREN
STUTZ, RACHEL BAMIHAS
SZYBUNKA, HAILEY EVE
TROYETSKY, DANIEL EVAN
WAHL, ANNA LUCY
WHITE, THOMAS C
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YING, MICHAEL YIMIN

ENGINEERING, AERONAUTICS & AERONAUTICS

LIU, XINWEI

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DOCTOR OF PHILOSOPHY, AERONAUTICS & ASTRONAUTICS

ANDERSON, SPENSER	Clustering Approaches for Faster Nonlinear Projection-Based Model Order Reduction
BILGIN, EYLUL	On the Theory of Wall Bounded Turbulence
BLANCHARD, JARED	Applications of Invariant Funnels in the Circular Restricted Three-Body Problem
CHEN, XIYUAN (Mechanical Engineering)	Design, Fabrication and Integration of Large-Scale Stretchable Strain Sensor Networks
DE BECDELIEVRE, JEAN	Aerospace Vehicle Design with Bayesian Collaborative Optimization
DENNISON, KAITLIN	Vision-Based Tracking and Shape Recovery of Non-Cooperative Targets Using Distributed Space Systems
GOC, KONRAD ANDRZEJ	Towards Certification by Analysis (CbA): Large-Eddy Simulations of Commercial Aircraft Across the Flight Envelope
GUPTA, SHUBH (Electrical Engineering)	High-Integrity Urban Localization: Bringing Safety in Aviation to Autonomous Driving
KATZ, SYDNEY MICHELLE	Safe Machine Learning-Based Perception via Closed-Loop Analysis
KORNEYEVA, VERONIKA	Particle Induced Laser Ignition and Transient Flame Behavior in Hybrid Rockets
KRUGER, JUSTIN	Angles-Only Tracking and Navigation for Autonomous Distributed Space Systems
LAUZON, JESSICA THERESE	An Analysis of Projection-Based Reduced Order Models and Their Application to Supersonic Flows
LE CLEAC'H, SIMON (Mechanical Engineering)	Composable Optimization for Robotics Simulation and Control
LEW, THOMAS	Uncertainty-Aware Control, Planning, and Learning for Reliable Robotic Autonomy
MINA, TARA (Electrical Engineering)	Toward the Next Generation of GPS Signals: New Codes and Navigation Security

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NEWDICK, STEPHANIE	Robotic Mobility Using Extendable Booms: Design, Control, and Experimentation
PATEL, HARSH	A Coupled-Adjoint Framework for High-Fidelity Aero-Structural-Trim Optimization in Aircraft Design
PELTZER, ORIANA (Mechanical Engineering)	Robotic Path Planning with Sparse Environment Representations
QIAN, JASON	Accelerating Structural Optimization in the Early Aircraft Design Phases
RICHARDS, SPENCER M.	Control-Oriented Learning for Dynamical Systems
SHORINWA, OLA (Mechanical Engineering)	Collaborative Multi-Robot Autonomy via Distributed Optimization
SMART, JORDAN	Neural Heuristics for Mixed-Integer Configuration Optimization
SUBRAHMANYAM, MATTHEW	Computation of Wall-Bounded Flows using a New Universal Profile
TOPAC, TANAY	Application-driven Design and Data Analysis of Sensor Networks for Flight Awareness
TOYUNGYERNSUB, MANEEKWAN (MERY) (Mechanical Engineering)	Spatiotemporal Occupancy Prediction for Autonomous Driving
WU, GAO JUN (GARY)	Computational Aeroacoustics of High-Speed Jets for Supersonic Airplanes
XU, ZAN	Scalable Hierarchical High-Order CFD Solvers for Future Exascale Architectures
YOUKILIS, NOAH	Dimensionality Reduction of Embedded Boundary Models for Nonlinear Fluid-Structure Interaction
ZHANG, MIAO	Long-term Vision-based Underwater Target Tracking with Autonomous Underwater Vehicles