

Session 1A. 9:00 AM – 12:00 Noon, Room 287, Engineering Building

Chair: Dr. Burford Furman

Project Title	Team Members	Advisors	Sponsors	Start Time
Solar Powered Stirling Engine Design	Michael Li Farial Moradnouri Elizabeth Santiago Yuan-Chieh Ting	Dr. Burford Furman Mr. Stuart Davis	ETHOS	9:00
Solar Powered Stirling Engine Cooling System Design	Michael Saunders Kurt Vorsatz Terence Xiao	Dr. Burford Furman Mr. Stuart Davis	ETHOS	9:30
Solar Powered Stirling Engine Solar Collector Tracking System	James Feister Angela Uzoma	Dr. Burford Furman Mr. Stuart Davis	ETHOS	10:00
Shock Tunnel Upgrade	Michael Lipton	Dr. Burford Furman	SJSU MAE	10:30
Assembly Transfer Station for a Dual Color Pad Printing System	Jon Hunt David Lawrence Joel Mueting	Dr. Burford Furman Mr. Daniel Bolin	Bojo, Inc.	11:00
Dual Color Pad Printer System	Andrew Baile Andre Diaz George Lazari	Dr. Burford Furman Mr. Daniel Bolin	Bojo, Inc.	11:30

Session 1B 2:00 PM – 4:00 PM, Room 287, Engineering Building

Chair: Dr. Burford Furman

Project Title	Team Members	Advisors	Sponsors	Start Time
Injection Molding Machine Tending Robot	Juan Martinez Mohsin Waqar	Dr. Burford Furman Mr. Daniel Bolin	Bojo, Inc.	14:00
Enclosure Design for Gigapixel Panoramic Imaging System	Craig Farnell Matt McLellan Reed Musselman Brian Pfister	Dr. Burford Furman Mr. Randy Sargent	NASA Google, Inc.	14:30
Grand Tilting Racer	Beronica Carbajal Justin Gammino Richard Huynh Mark Smitt Leonid Vera	Dr. Burford Furman Mr. Stuart Davis	ETHOS	15:00
Biodiesel Go-Kart	Michael Dizon Timothy Fong David Garcia Alfred Joves	Dr. Burford Furman		15:30

Session 2A. 9:00 AM – 12:00 Noon, Room 192, Engineering Building

Chair: Dr. Raymond Yee

Project Title	Team Members	Advisors	Sponsors	Start Time
Gear Demonstration Kit for Learning	Masanori Watanabe Pak Hui Ma Tim Lin	Dr. Raymond Yee		9:00
Cooling System Design for Servers	Ike Onwaurah Viktorija Safradin Emir Vukotic Vitomir Mandic	Dr. Raymond Yee		9:30
Human Lifting Walker System	Hoang Pham Michael Campos (M) Van To Tomoki Oda	Dr. Raymond Yee		10:00
Mechanical Port Interface System Design for Microfluidic Chip	Jerry Kwan (M) Jason Maung Tiffany Lu Colin Wheeler	Dr. Raymond Yee		10:30
Wheelchair/scooter Lifting Device	Harvey Wood Jim Herman Elham Eshraghi Francisco Pulido	Dr. Raymond Yee		11:00
Single-Axis Gimbal For Thrust Vector Control Of A Rocket Propelled Vehicle	Ian Moore Pierce Nichols Nathan Frank	Dr. Raymond Yee		11:30

Session 2B 2:00 PM – 4:00 PM, Room 192, Engineering Building

Chair: Dr. Raghu Agarwal

Project Title	Team Members	Advisors	Sponsors	Start Time
SAE Formula 1	Daniel Bakke Ross Thayer Travis Solina Luis Quandt Muaaz Sagier Cyrille Shkolnik	Dr. Raghu Agarwal		14:00
SAE Minibaja	Carlos Alarcon Ryan Gundred Areej Bazzari Ania Cierkosz Victor Duong	Dr. Raghu Agarwal		14:30
Minibaja	Darryl Cho Hok Chan Peter Chow Felix Fong Fiona Wong	Dr. Raghu Agarwal		15:00
Miniature Steam Power Plant	Odeh Hazem Michael Chalhoub Danny Singh Farhan Tahir* Lam Vo	Dr. Raghu Agarwal		15:30

Session 3A. 9:00 AM – 12:00 Noon, Room 117, Engineering Building

Chair: Dr. Tai-Ran Hsu

Project Title	Team Members	Advisors	Sponsors	Start Time
Swivel Passenger Seat	Shihaam Suhail Landon Allen Zack Williams Robert Lira	Dr. Tai-Ran Hsu		9:00
ASME Hydropower Competition	Dennis Lingad Davinder Shaarma Nathan Duong	Dr. Tai-Ran Hsu		9:30
Automated Mechanical Rack Set	Arthur Akimoto Jerald Buenafe Serey Kim Peter Le	Dr. Tai-Ran Hsu		10:00
Smart Cart	Erwin Ysip Jason Evangelista Harjot Hayer	Dr. Tai-Ran Hsu		10:30
Hybrid Human Powered Vehicle- Ergonomics & Testing	Tony Syluangkhot George Transmonte	Dr. Tai-Ran Hsu	SJSU MAE	11:00
Hybrid Human Powered Vehicle- Power supply	Sayed Andeshmand Lu Van Tran Rene Limos Elijah Josh Marasigan	Dr. Tai-Ran Hsu	SJSU MAE	11:30

Session 3B 2:00 PM – 4:00 PM, Room 117, Engineering Building

Chair: Dr. Tai-Ran Hsu

Project Title	Team Members	Advisors	Sponsors	Start Time
Hybrid Human Powered Vehicle-Systems Control	Ricardo Uro Jackeline Carpio	Dr. Tai-Ran Hsu	SJSU MAE	14:00
Automation Retrofit of Mini-Jector	Ted Gallardo Michael Ritter	Dr. Tai-Ran Hsu	Bojo, Inc.	14:30
Hybrid Human Powered Bike	Brian Bautista Peter Ng Michael Fernandez Shabana Kodwavi	Dr. Raymond Yee	SJSU MAE	15:00
Medical Fixture	Clifford Yip Ronald Lew Adonise Ng Anny Yeh	Dr. Raghu Agarwal		15:30

Session 4B 2:00 PM – 4:00 PM, Room 164, Engineering Building

Chairs: Dr. Nikos Mourtos

Project Title	Team Members	Advisors	Sponsors	Start Time
Remote-Controlled Heavy-Lift Cargo plane 'Isis'	Amy Rawls Anna Rapo Nita Shah	Dr. Nikos Mourtos	ACP Composites Donna Studeman Marcus Brooks Megan McCluer Squadron 2 Flying Club Anthony L De La LLera SJSU AS Cyd Rawls Daniel McDermott	14:00
SAE Aero Design Competition: Daedalus of SJSU		Dr. Nikos Mourtos	MAE Dept. COE Deans Office SJSU AS LockTools ReGrid Nor-Cal SAE Samuel O'Reilly's Tattoo Parlour Mountz Holt Appraisl MOS SJSU Foundation	14:30
SAE Aero Competition: LIPAD High-capacity cargo RC aircraft	Justin Custodio Leo Paulo Valmores Jerry Mendoza Christian Tupaz	Dr. Nikos Mourtos	SJSU AS Lockheed Martin	15:00

Session 4B (continued) 2:00 PM – 4:00 PM, Room 164, Engineering Building

Chairs: Dr. Nikos Mourtos

Project Title	Team Members	Advisors	Sponsors	Start Time
Single-Seat Ultralight Aircraft	Sylvan Canales Dennis Callejas Veronica Navarro Chris Cunnington Bernard Dagdagan	Dr. Nikos Mourtos	Private Sponsors Bill Becker Barbara and Terry Simning Bruce Gaetke Dennis and Debbie Michalek Gene and Mary Jane Gaither Keith and Donna Ward Linda Jensen Louis L. Marines Marilyn Cunnington Muhieddine Maaz The Diemunsch Family Business Sponsors Associated Students Audiowhiz Barclay Roto-Shred Inc. Bill Becker Music Studio Lodi Funeral Home Special Thanks Bill Barding California Sport Aviation Dave Mikesell Hank Dasse Metal Supermarkets	15:30