

FORMULA SAE ELECTRIC®

Electrical System Advisor and Electrical System Officer Form

University: Yale University

Car: EV228

Electrical System Advisor Information

Kevin Ryan
Yale University
Room/Office: Dunham 220
10 Hillhouse Ave.
New Haven, CT 06511
(203)432-7151

- BSEE and MSEE - University of Colorado
- Research and Development Engineer (Designed Test and Measurements Products) – Hewlett-Packard/Agilent Technologies (1996-2003)
- Senior Design Engineer (Designed Electronics for Space Applications) – Aeroflex Microelectronics (2003-2006)
- Started Iridium Technologies (Managed and Designed Electronics for Space Applications) – (2006-2012)
- Engineering Specialist (Human to Machine Interface Design for Nuclear Submarines) – General Dynamics Electric Boat Division (2012-2013)
- Research Support Specialist 4 (Manage Electrical Engineer Labs) – Yale University (2013-Present)
- Patents: 7,961,501 7,619,459 7,583,108

Electrical System Officer Information

Philip Piper
philip.piper@yale.edu
7135012744

- Electrical Engineering and Computer Science senior at Yale
- Trained by Bulldogs Racing 2013 ESO on low voltage rules, requirements, design, and fabrication
- Trained by Kevin Ryan (ESA) for high voltage safety using HV gloves, insulating mats, and arc protection equipment (suit, balaclava, and visor)
- Trained at SpaceX internship in Waco (summer 2015) for high voltage safety and low voltage system design

Dante Archangeli
dante.archangeli@yale.edu

- Mechanical Engineering junior at Yale
- Trained by Kevin Ryan (ESA) for high voltage safety using HV gloves, insulating mats, and arc protection equipment (suit, balaclava, and visor)

Basic Electrical Training for the team

Team Members have received training on:

- Dangers of high-voltage battery development, handling, installation, and use.
- Current density capability of wiring, wire routing, and wire termination.
- Microcontroller implementation and programming.
- Sensor evaluation, implementation, and use.
- Feedback and control systems.
- Accuracy, resolution, and calibration.

Faculty Advisor Name (print): Dr. Joseph Zinter

Faculty Advisor Signature: 

Team Leader Name (print): Taha Ramazanoglu

Team Leader Signature: 