Cameron J. Planck

136 Brookside Drive
White River Junction, VT 05001

Cell: 541-501-0228
Email: cameronplanck@gmail.com

Education

- **Dartmouth College** — **Expected June, 2019**
  Doctor of Philosophy, Mechanical Engineering — *Hanover, NH*
- **Oregon State University** — **March, 2015**
  Bachelor of Science, Mechanical Engineering — *Corvallis, OR*

Work & Research Experience

- **OSU Experimental Fluid Mechanics Laboratory** — **September 2013 - Present**
  Undergraduate Researcher — *Corvallis, OR*
  - Undergraduate Research, Innovation, Scholarship & Creativity (URISC) funded researcher
  - Designed, manufactured, tested, and analyzed a biologically-inspired 3D printed wing with passively actuated flexible edges for experimental testing.
- **Lam Research Corp.** — **April 2014 - Sept. 2014**
  Hardware Design Engineer, PECVD – MECOP Intern — *Tualatin, OR*
  - Worked independently to design customer-critical hardware for R&D testing of cutting edge 3D NAND processes.
  - Conducted laboratory testing which improved process understanding, reduced customer risk, and validated current and future designs.
- **Leatherman Tool Group, Inc** — **April 2013 - Sept. 2013**
  Product Design Engineer – MECOP Intern — *Portland, OR*
  - Established a new saw design for low-cost manufacturing resulting in large cost savings.
  - Led the investigation and redesign effort of a production-critical manufacturing issue which regularly shut the line down.
- **Oregon State University** — **March 2011 - Dec. 2013**
  Undergraduate Teaching Assistant — *Corvallis, OR*
  - Organized, taught, and graded lab sections for students taking courses in technical computing, engineering mathematics, thermal-fluid sciences, and mechanical engineering introductory.
  - Provided regular feedback to course instructors to improve course organization and curriculum to benefit student learning.

Specialized Skills & Software

Software: MATLAB, SolidWorks, PTC Pro/engineer, Edgecam, Minitab, LaTeX, SolidWorks Simulation (FEA)

Specialized Skills: Rapid Prototyping (FDM & SLA), manual and CNC machining, DC/AC circuit analysis, GD&T, root-cause analysis, process control and capability, statistical analysis, aluminum/steel metal working and welding.

Publications & Presentations

1. **Planck, C.J.**, Siala, F., Liburdy, J.A, 2015, "Dynamical Characterization of a Bio-Inspired Wing with Passively Actuated Edges", American Institute of Aeronautics and Astronautics (AIAA) Applied Aerodynamics Conference, Dallas, TX.
2. Siala, F., **Planck, C.J.**, Liburdy, J.A., 2014, "Flow Characterization of a Heaving Wing with Passively Actuated Trailing Edge", Bulletin of the American Physical Society, 59, San Francisco, CA.
3. Rushen, J., Siala, F., **Planck, C.J.**, Topal, A.D. and Liburdy, J.A., 2014, "The Effects of a Passively Actuated Trailing Edge on the Aerodynamics of an Oscillating Wing", FEDSM2014-22155, Proc. ASME Fluids Engr. Div. Summer Meeting, Chicago, IL.