

DANIEL REAL, PhD

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PROJECT MANAGER

Skilled project manager and advisor offering a unique combination of academic and professional experiences to promote innovation in renewable energy. Adept at building relationships, leading teams, translating technical concepts for business and policy leaders, and collaborating effectively with others to achieve desired outcomes. Known for intellectual curiosity across multiple disciplines, ability to research complex topics and attain subject matter expertise in short period of time. Demonstrated ability to orchestrate successful technology demonstrations and evaluations on tight schedules with limited funding. Expertise includes:

- Technical Communication
- Project Management
- Team Leadership
- Data Analysis
- Presentations
- Public Speaking
- System Design
- Distributed Energy Technologies
- CAD & Simulation

EXPERIENCE

Southern Research, Durham, NC

2016 – 2018

Assistant Project Manager

Joined as Post-Doctoral Researcher in Feb. 2016 and was promoted in Dec. 2016 to Adv. Mechanical Engineer based on strong project management, engineering, and team leadership performance. Managed construction schedule and provided technical support to a \$3M DOE Project.

- Wrote and presented reports to DOE program directors for \$1M per annum projects.
- Led or assisted with 11 proposals, including collaborating with C-suite and VP-level executives from multiple companies: \$3.25M awarded, \$6M pending.
- Designed, built, operated and maintained innovative clean energy technologies resulting in a novel Technology Readiness Level 6 thermal energy storage system for CSP.
- Initiated over two dozen collaborations resulting in improved systems designs and funding proposals.

Duke University, Durham, NC

2011 – 2015

Ph.D. Graduate Researcher

Joined Thermodynamics and Sustainable Energy Laboratory as a James B. Duke Scholar. Led research into PEM Fuel Cell operation and non-concentrating solar thermal collectors for chemical fuel processing.

- Authored multiple peer reviewed journal publications and award-winning presentations.
- Successfully defended results, justified conclusions, and addressed reviewer concerns in both written responses and verbally during Q&A portions of presentations.
- Won four “Competitive Fellowship” awards for outstanding academic performance.
- Presented to over 200 people at the 2011 American Physical Society March Meeting.

EDUCATION

Doctor of Philosophy - Mechanical Engineering and Materials Science

Duke University, Durham, NC

Bachelor of Science - Physics, Magna cum Laude

Emory University, Atlanta, GA