

Sustaining an Engineering Career

Leslie M. Phinney

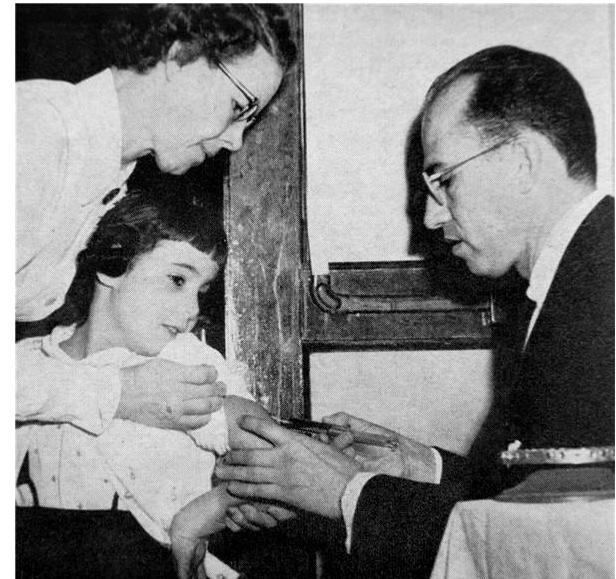
Changing the World

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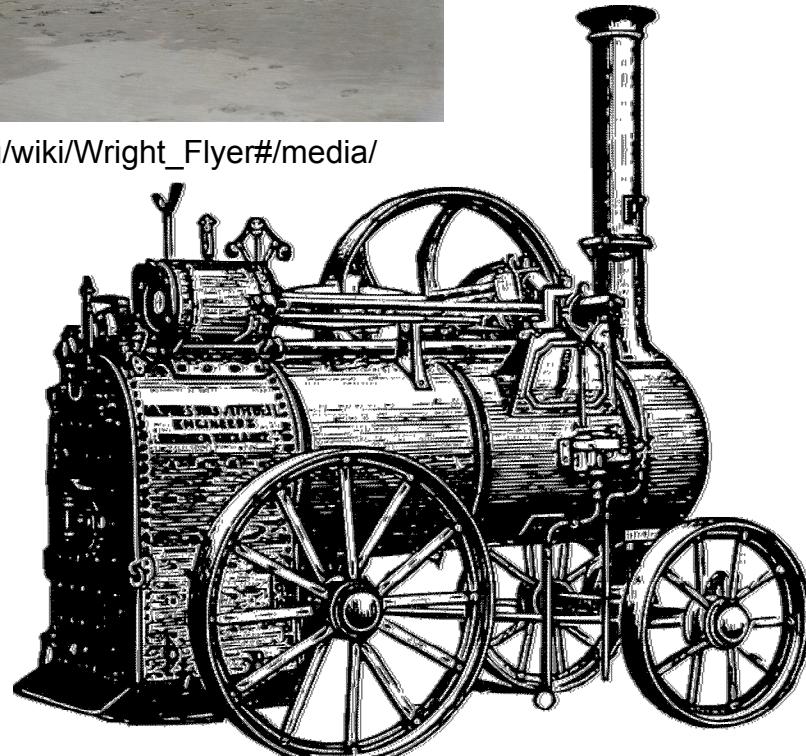
Changing the World – Thermal/Fluids



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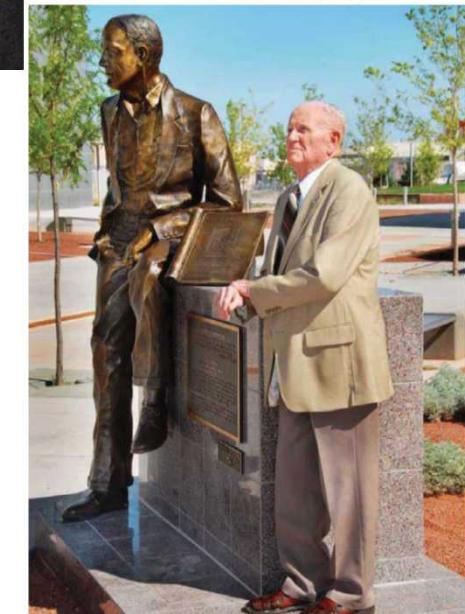
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Changing the World - Sandia

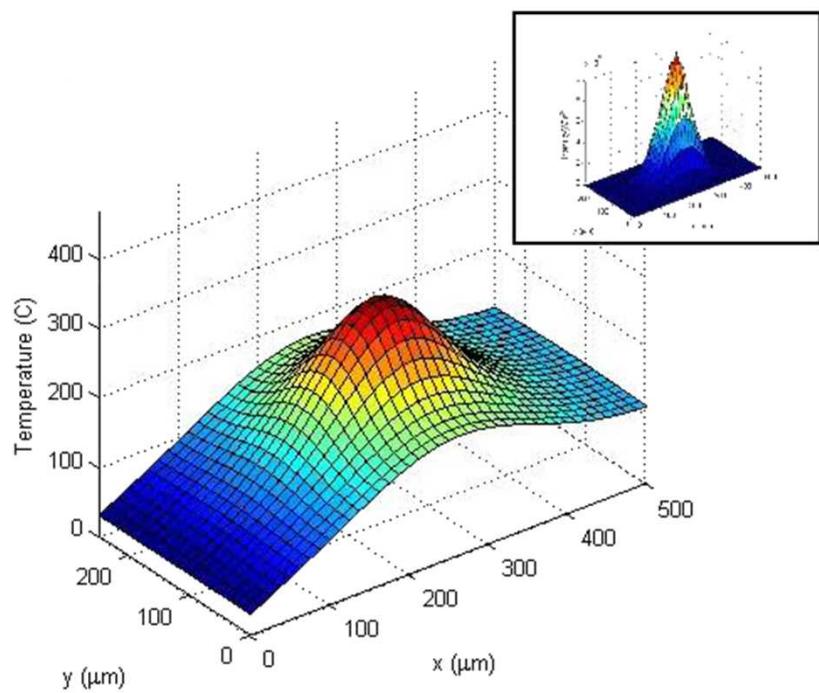
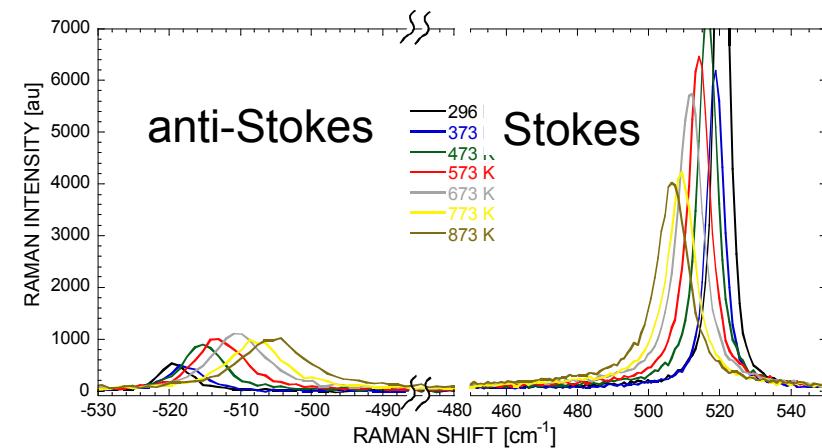
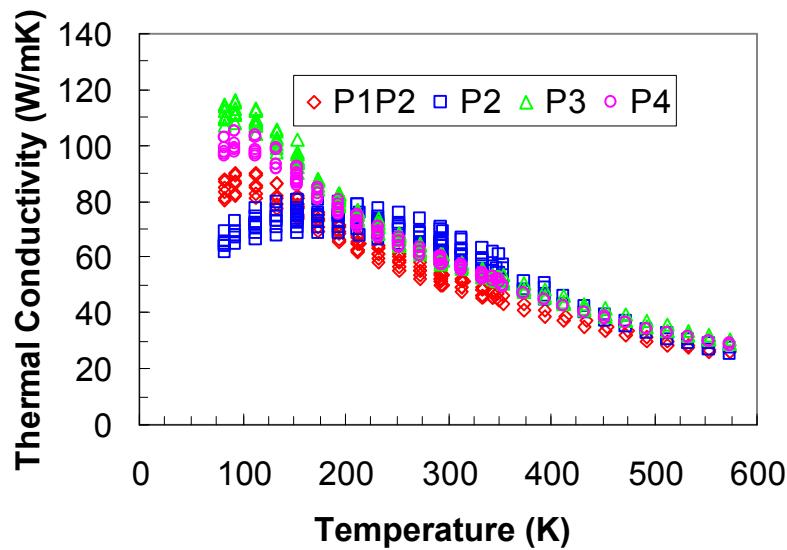
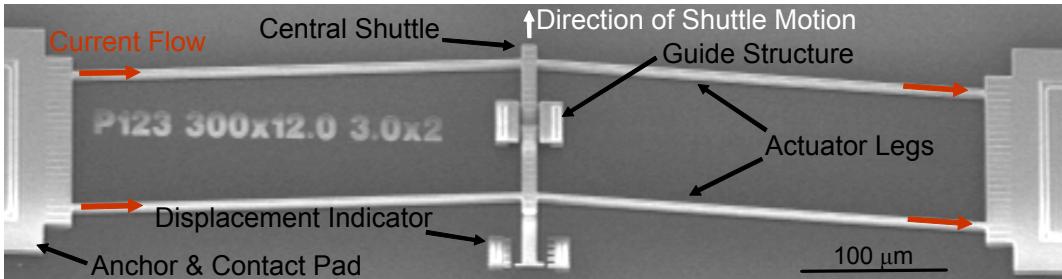
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Willis Whitfield
Laminar Flow Clean Room Inventor

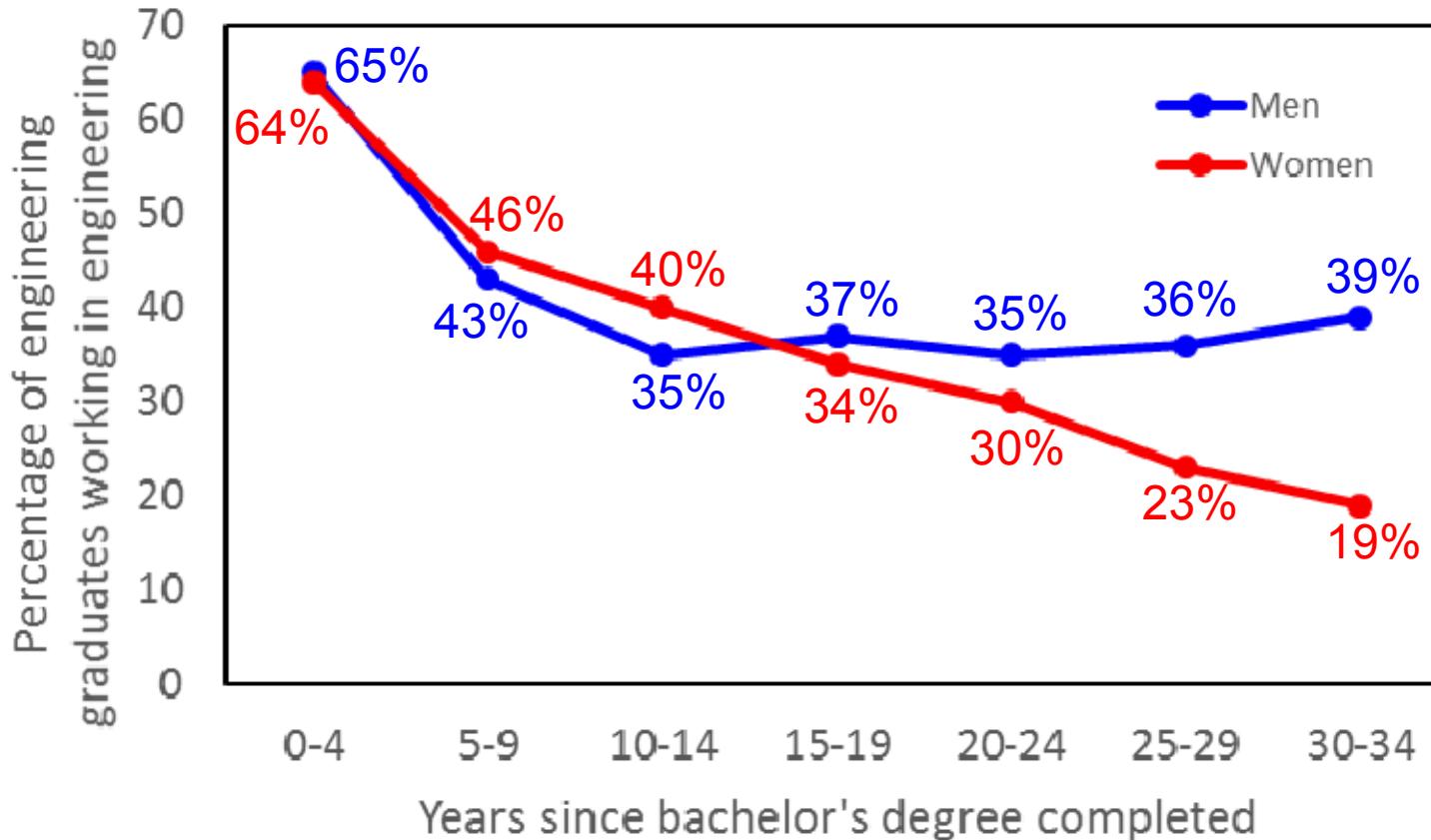


My Research



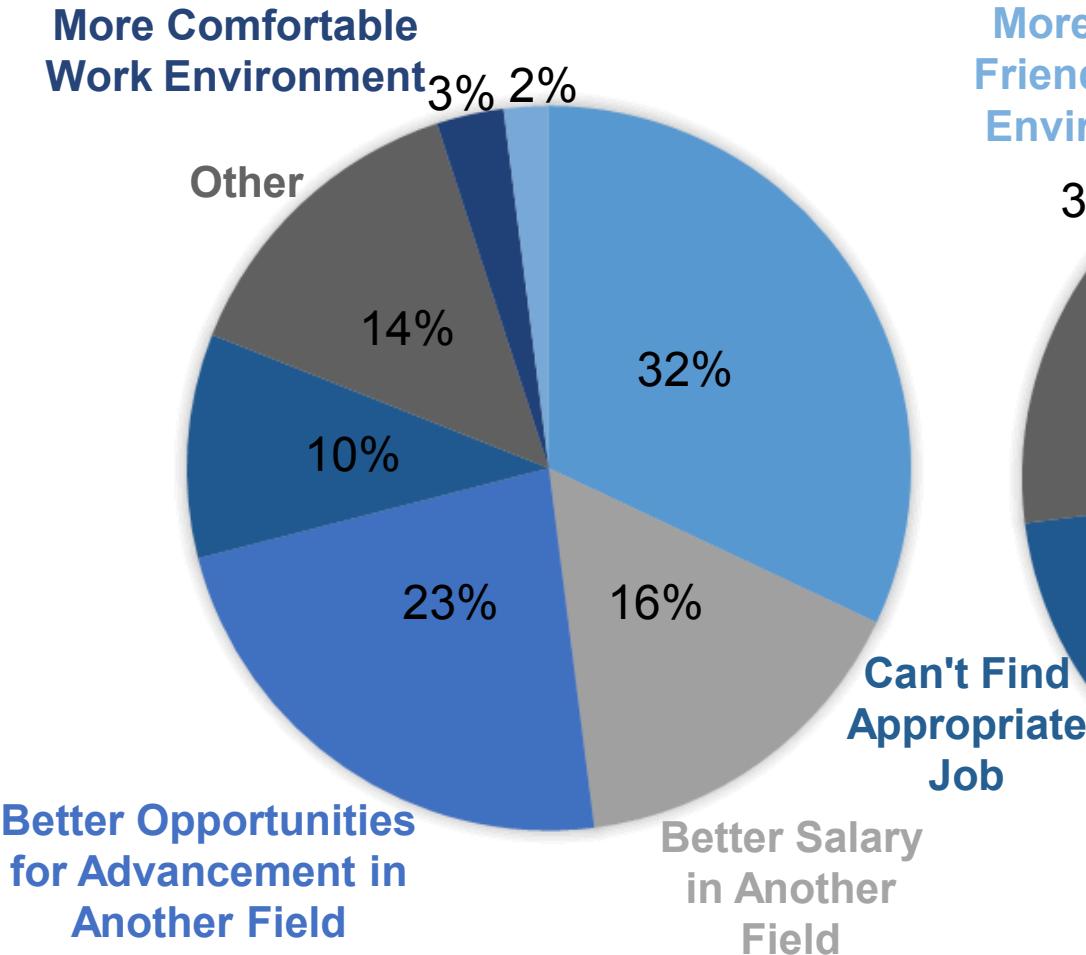
Not World Changing

Retention in Engineering, By Gender, 2010

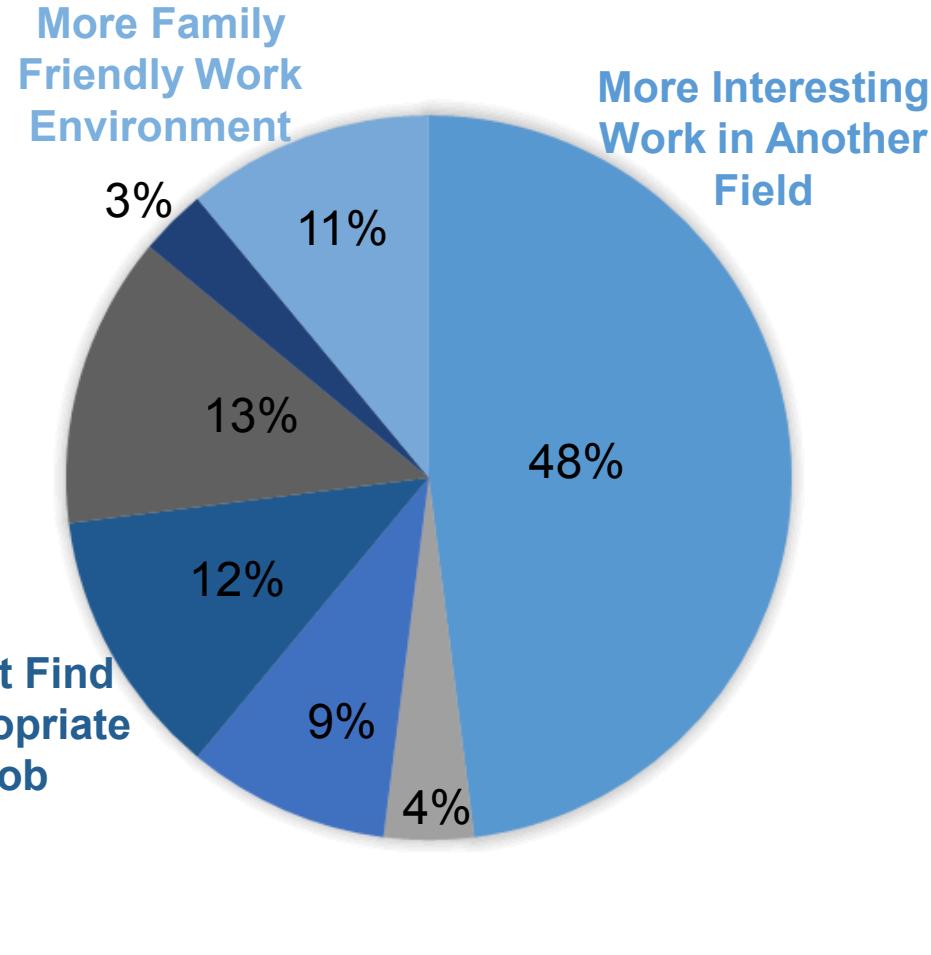


Among Those Employed and Not in Engineering, Why Are They in Non-Engineering Positions?

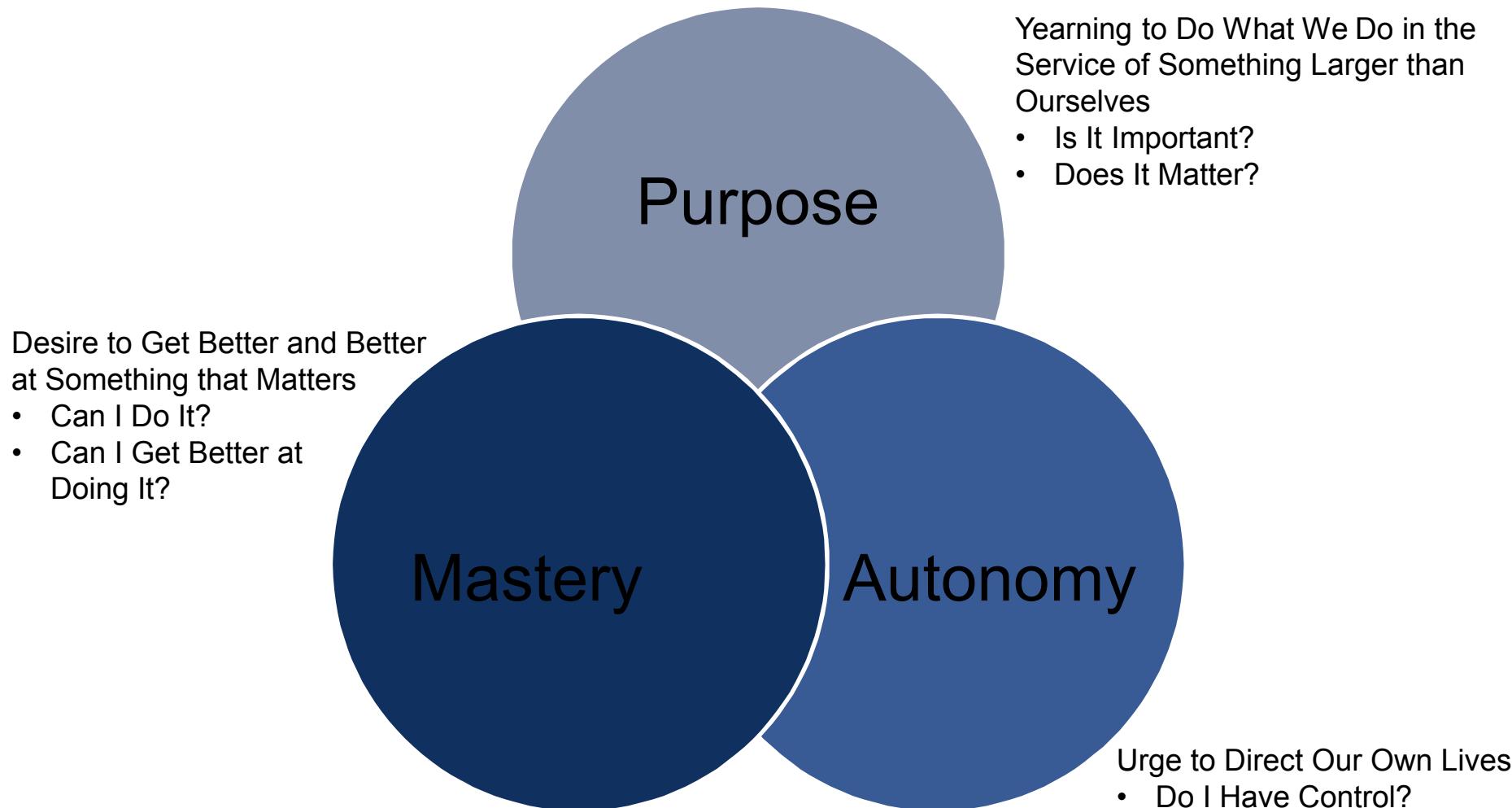
Men



Women



Purpose, Mastery, and Autonomy are Intrinsic Motivators



Ref: Dan Pink (*Drive*, TEDGlobal 2009 video)

The Thermal/Fluids Community Can



- Increase Perceived and Actual Social Relevance of Engineering
- Identify “World-Changing” Problems for Thermal/Fluids Research
- Provide Learning and Development Opportunities
- Cultivate a Sense of Belonging – Networking, Mentoring
- Create an Inclusive and Welcoming Environment

Picture of the Earth from Apollo 8



https://www.nasa.gov/multimedia/imagegallery/image_feature_1249.html