

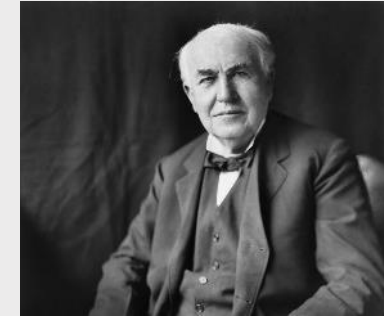


Greg Odegard



Edisonian approach to materials development

- Trial-and-error
- High material and labor cost
- Difficult testing in extreme environments
- Lack of methods to full probe molecular scale behavior



“I have not failed. I've just found 10,000 ways that won't work” – Thomas Edison

Computational approach to materials development

- Efficiently explore design space
- Predict material behavior under a wide range of conditions
- Provide physical insight into observed behavior



SUPERIOR high-performance computing cluster



Projects

