



CA²REERS CONSORTIUM

Advanced Additive Manufacturing Research and Education for Energy Related Systems

RENEWABLE ENERGY SUMMER CAMP

Date: June 13th – June 17th Time: 9:30 am - 1:30 pm Monday – Friday

Location: University Texas Rio Grande Valley, Edinburg Campus

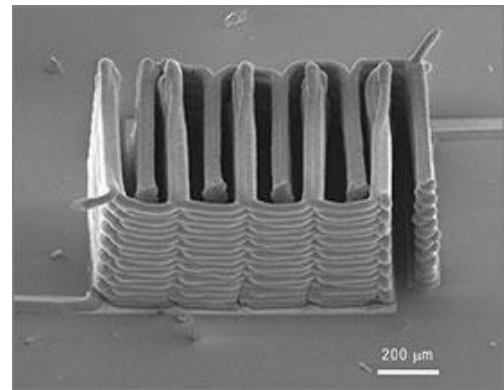
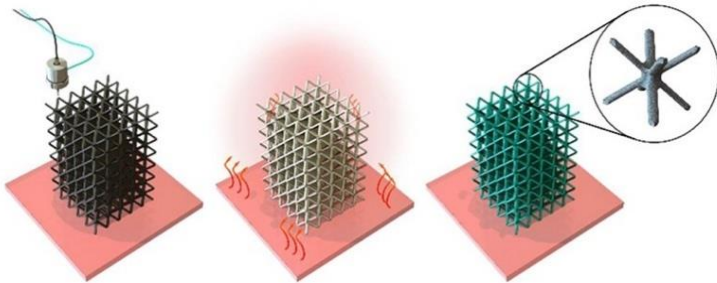
Registration:

<https://www.idream4d.org/summer-camp/regionone-highschool/index.htm>

To reduce carbon emissions, investments have been made in renewable energy sources such as solar, wind, hydro, etc. By leveraging statistical principles, the performance of renewable energy systems can be optimized. In this camp, students will be introduced to the foundations of renewable energy by designing and constructing a hydro-powered car. By conducting experiments with this vehicle, students will learn to perform statistics. This will equip them with knowledge useful for furthering their education and for being competitive in the workplace. Students will conclude the camp by testing the performance of their car against each other in a final day competition.

TOPICS COVERED :

- Forms of Renewable Energy
- Chemistry of Renewable Energy
- Design of Experiments



For more information about this camp, contact:

Mrs. Lesly Orozco, lesly.orozco01@utrgv.edu

To Apply, visit: www.idream4d.org

Or email idream4d@idream4d.org

OPPORTUNITIES :

- Learn about advantages of pursuing engineering
- Learn about how to produce renewable energy
- Use statistics to optimize performance
- Interact with Los Alamos National Laboratory
- Compete with your peers

CA2REERS is a joint project comprised of the following institutions:

