



<i>Project Title:</i>	<i>Fabrication of carbon nanofibers by electrospinning for use in lithium-ion batteries</i>
<i>Project Short description</i>	The project will focus on the fabrication of carbon nanofibers through electrospinning. The candidate will work on the optimization of carbon nanofibers in terms of both morphology and electrical conductivity. S/he will also be responsible for developing carbon@metal oxide hybrid nanofibers and studying their use as electrode materials in lithium-ion batteries. The candidate will have opportunity to access the advanced potentiostats and battery testers in the lab and receive trainings for fabricating lithium-ion batteries.
<i>Expected Start/end date</i>	
<i>Required degree and Background knowledge of students, minimum gradepoint average, etc...</i>	Bachelor degree in chemistry or materials science and engineering or other relevant field is required. The candidate should have basic knowledge in inorganic chemistry/physical chemistry. The candidate should be self-motivated and have enthusiasm for work. Good communication skills are also required.

Supervisor at INL

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