



<i>Project Title:</i>	<i>Large scale fabrication of composite nanostructures using atomic layer deposition</i>
<i>Project Short description</i>	The project will focus on large scale fabrication of composite nanostructures (e.g. core-shell nanotubes/nanoparticles) using atomic layer deposition technique. The candidate will be responsible for developing atomic layer deposition recipes and preparing core-shell nanofibers or nanoparticles for use in lithium-ion batteries. S/he will have opportunity to access the state-of-the-art atomic layer deposition system in the lab.
<i>Expected Start/end date</i>	
<i>Required degree and Background knowledge of students, minimum gradepoint average, etc...</i>	Bachelor degree in physics or materials science and engineering or other relevant field is required. The candidate should have basic knowledge in materials chemistry/physical chemistry. The candidate should be self-motivated and have enthusiasm for work. Good communication skills are also required.

Supervisor at INL

Name:	Lifeng Liu
Position:	Staff Researcher and Group Leader
email:	lifeng.liu@inl.int