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| <b><i>Project Title:</i></b>   | <i>Chemical synthesis of graphene/graphene oxide for use in high-performance energy storage</i>  |
| <b><i>Project Short description</i></b>  | The project will focus on large scale synthesis of graphene oxide or graphene and their use as electrode materials in energy storage devices like lithium-ion batteries and supercapacitors. The candidate will work on chemical or electrochemical synthesis of graphene and collaborate with the senior researchers in the group on the fabrication of lithium-ion batteries or supercapacitors. |
| <b><i>Expected Start/end date</i></b>  |  |
| <b><i>Required degree and Background knowledge of students, minimum gradepoint average, etc...</i></b> | Bachelor degree in chemistry 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**

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| <b>Name:</b>     | Lifeng Liu   |
| <b>Position:</b> | Staff Researcher and Group Leader                          |
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