



<i>Project Title:</i>	<i>Fabrication of TiO₂ nanotube arrays for use in solar cells</i>
<i>Project Short description</i>	The project will focus on the fabrication of vertically aligned TiO ₂ nanotube arrays through electrochemical anodization of titanium. The candidate will be responsible for fabricating semiconductor sensitized solar cells using TiO ₂ nanotube arrays, and also for regular solar cell device testing. S/he will have opportunity to access the state-of-the-art instruments for photovoltaic study including solar I-V tester, quantum efficiency measurement system and IMPS/IMVS spectrometer.
<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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