## Posterboards

**In order of presentation**

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter and Details</th>
</tr>
</thead>
</table>
| “Robotics” - Eric is the President of Stanford Robotics Club and lead software engineer for NASA’s Lunabotics Mining Competition. | Eric Smalls (freshman)  
Prof. Robert Dutton (EE) |
| 25MHz “Trans-Receiver”                                               | Geraldine Baniqued  
Jennifer Thompson  
Prof. Robert Dutton (EE) |
| Quasi-Passive and Reconfigurable Node for Optical Access Network     | Yingying Bi  
*Expected Graduation: 2015*  
Prof. Leonid Kazovsky (EE) |
| Controlling Cohesion of Polymer Solar Cells by Manipulating Polymer Molecular Weight | Christopher Bruner  
*Expected Graduation: 2014*  
Prof. Reinhold Dauskardt (MSE) |
| Synergistic Environmental Degradation of Acrylic Elastomer           | Can Cai  
*Expected Graduation: 2016*  
Prof. Reinhold Dauskardt (MSE) |
| Gallium Nitride Soot Particulate Sensors for Automotive Applications  | Minmin Hou  
Prof. Debbie Senesky (AA) |
| Polymer-Oxide Interface Delamination and Reliability in Protective Barriers | Scott Isaacson  
*Expected Graduation: 2016*  
Prof. Reinhold Dauskardt (MSE) |
| Wireless Powering of Subwavelength Autonomous Devices                | Sanghoek Kim  
*Expected Graduation: August 2013*  
Prof. Ada Poon (EE) |
| Imaging with Microwave Excitation                                     | Hao Nan  
*Expected Graduation: 2016*  
Prof. Amin Arbabian (EE) |
| Biosensor Readout Design in Organic Electronics                      | Alex Omid-Zohoor  
Prof. Boris Murmann (EE) |
| Sorting Chiral Domain Walls in a Racetrack Biplexer                 | Tim Phung  
*Expected Graduation: 2014*  
Consulting Prof. Stuart Parkin (AP) |
| Optical Detection of Nanoscale Metallic Filaments with STEM EELS     | Dave Schoen (Post doc)  
Prof. Marc Brongersma (MSE) |
| Sorting of Large-Diameter Carbon Nanotubes by Poly (dithiafulvane-fluorene-co-terthiophene) for Thin Film Transistors and Solar Cells | Evan Wang  
*Expected Graduation: 2015*  
Prof. Zhenan Bao (CE) |
| Smaller and Deeper: Wireless Powered Implants                         | Alex Yeh  
Prof. Ada Poon (EE) |
| High Efficiency Nanostructured Window Solar Cell                     | Yangsen Kang  
Prof. Jim Harris (EE) |
| Design Rules for Directed Block Copolymer Self-Assembly              | Linda He Yi  
Prof. Philip Wong (EE) |