Agenda PREM Virtual Annual Meeting  
Friday April 29th, 2022  
Eastern Standard Time

Zoom link:  https://us02web.zoom.us/j/81705723806  
Meeting ID: 817 0572 3806

10:00 AM      PREM Overview, **Ramos**
10:20 AM      Education & Outreach Overview, **Alicea, Wallace & Licurse**
10:40 AM      **IRG-1**: Charge dynamics in transition metal and carbon-based materials, **Pinto**
               1. Graphene and transition metal dichalcogenides. **Pinto**
               2. Carbon-based nanomaterials. **Ramos**
               3. Thermolectric transport in mesoscopic and/or nanoscale systems. **Zimbovskaya**
               4. Magnetic Transition Metal-Oxide Heterostructures. **Santana**

11:00 AM      **IRG-2**: Surface-functionalized nanomaterials for sensing applications, **Bansal**
               1. PVD of Ag NPs for trace chemical detection via SERS. **Bezares**
               2. Functionalized gallium nanomaterials for biosensing. **Oyola**
               3. Pillarene-modified cellulose matrix for detection and removal of metals and organic molecules. **Fasoli**
               4. Paper and emulsion based biosensing platforms for enzyme activity assay. **Bansal & Sotero**

11:20 AM      Breakout discussion for research/education teams

12:50 PM      Wrap up, **Stach & Ramos**

1:00 PM      Closing