



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. *Thermoelectric 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**