

Select a topic for your 20 min presentation related to photovoltaics. Submit by email (to deanron@auburn.edu) by 5:00 pm Monday, 2/3/25, (1) a topic area for your presentation and (2) a description of how you plan to obtain the information for your presentation (actual research activities, reviewing journal/conference presentations, visiting relevant facilities, etc.).

Some possible topics include:

- Photovoltaic technologies (Si, GaAs, flexible, nanotechnology, etc.)
- Photovoltaic manufacturing techniques, processes or trends
- Photovoltaic systems and/or applications
- Economics of photovoltaic systems
- Power electronics for photovoltaic devices or systems
- Rechargeable batteries and systems
- Optics for photovoltaics
- Off-the-shelf photovoltaic systems
- Photovoltaics for space applications (satellites, Mars landers, etc.)
- Survey of photovoltaic conferences, journals, research centers, etc.
- International photovoltaic research
- Hybrid systems (PV+wind, PV+hydro, etc.)
- Photovoltaic hazard and safety issues
- Integrating PV to the power grid (technology, economics, laws, costs, etc.)
- AC power grid stability issues with large scale PV electricity production
- Cost trends in PV technology
- Photovoltaics in China, India, Europe, Africa, etc.
- Design of a home-based PV system
- Environmental impact of PV
- History of photovoltaic technology
- Investing in PV companies
- Local/regional commercial grid-connected PV facilities