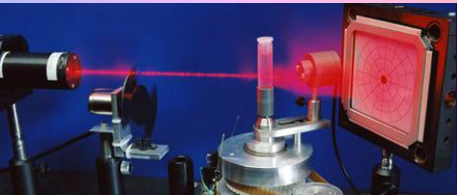


## SUMMARY:

- Focus will be US economy and US display - innovate the technologies and provide material
- First step: define scope by holding telephone and online meeting with extended team
- Sources of market input: Corning, Flex Tech Alliance
- In terms of inputs, Corning has rich source but there will be inclination about making matrix with important inputs.
- Will be looking at emerging display technologies and new additive approaches that make displays - vacuum deposition and will roll-to-roll happen and will it happen in the display sector.
- Group Comments:
  - Roll-to-roll applications for making arrays - working with Korean companies, flex displays, Corning - enabling partners
  - Already playing role with LG and Samsung - so when time is right will decide how best to reach out to them.
  - Why roadmap the US displays industry when there is none?
- Display module market is 2/3 of display market - have to roadmap it.
- Arizona State was awarded AMTech - Roll-to-Roll display manufacturing - building alliance and designing institute for manufacturing

# Display Technology

- Team Leaders: Robert Boudreau (Corning, Inc.) & Mark Poliks (Binghamton Univ./CAMM)
- Identified other team members:
  - Mike Ciesinski (Flex Tech Alliance) & John Kymissis (Columbia) will help to define a larger team.
  - Plan to reach out to: Universal Display Corp (NJ), Kent Display, E Ink, Applied Materials and 3M.
  - May request input from or participation by LG Display, Samsung and Sharp.
- Focus is impact to US economy: US based suppliers, technology & innovation
- First steps taken: need to define scope by holding telephone and online meetings with extended team.
- Sources of market input: Corning, Inc., Flex Tech Alliance and others
- Initial thoughts on scope:
  - OLED, materials & tools, emerging flexible displays, alternative manufacturing approaches including additive processing and roll-to-roll.
- Potential challenges or special circumstances for this TWG
  - Many US firms develop materials and tooling for the display industry, but most display manufacturing is based in Asia.



**NTRP**

**National Technology Roadmap for Photonics**

**NIST**  
**National Institute of  
Standards and Technology**  
U.S. Department of Commerce