**Policies for Progress:**

**Catalyzing Collaboration between the Humanities/Social Sciences and STEM to Address the World’s Grand Challenges**

**About the Conference:**

The conference is part of a multiyear, Andrew W. Mellon Foundation-funded pilot program supporting interdisciplinary research teams. This grant, entitled Catalyzing the Involvement of Humanists and Social Scientists in Grand Challenge Initiatives, brought together five research teams from Purdue University. In bringing together humanities/social sciences and STEM faculty/researchers to address major global problems, we hope to expand the capacity for diverse, interdisciplinary discovery and drive beneficial change, raise public awareness, and improve the human condition. The program is a Purdue-based response to President Obama’s challenge to companies, universities, foundations, and philanthropists to identify and pursue grand challenges by expanding the frontiers of human knowledge about the important problems that we face.

**October 28, 2015**

### **Purdue Memorial Union – North Ballroom**

## 5:45pm Doors open

## 5:45pm – 6:45pm Reception (Food and beverages)

## 6:45pm – 7:00pm Introduction by James Mullins

## 7:00pm – 8:00pm Keynote address (Nicholas Haan)

## 8:00pm – 8:30pm Q&A

## October 29, 2015

### **Ross Ade Pavilion – Shively Club**

## 8:15am – 9:00am Continental breakfast

## 9:00am – 9:30am Introductory remarks

## 9:30am – 12:00pm Research team presentations (See below)

## 12:00pm – 1:00pm Lunch

## 1:00pm – 4:00pm Lecture and Breakout Sessions

## (See below - Directed by Barbara Kline Pope)

## 4:00pm – 4:30pm Closing remarks

**Research Team Presentations**

**9:30am – 9:50am**

Topic: Local and Global Perspectives on E-Waste: Integrating the Humanities, Social Science, and Engineering to Examine the Life Cycle of Electronics (PI: H. Cory Cooper)

**10:00am – 10:20am**

Topic: Gender and Social Impacts of Institutional Arrangements for Improved Seed Technologies (PI: Mangala Subramaniam)

**10:30am – 10:50am**

Topic: Resilient Communities: Strengthening Post-Disaster Recovery by

Understanding Interdependent Social and Physical Networks (PI: Seung Yoon Lee)

**11:00am – 11:20am**

Topic: Open Skies: Alternative Studies into Sanitation Solutions Related to Open

Defecation (PI: Robin Clair)

**11:30am – 11:50am**

Topic: Equitable Water Policy Decisions Using Big Data (PI: Kartik Ariyur)

**Lecture and Breakout Sessions**

**1:00 pm – 2:00 pm**

**Barbara Kline Pope will speak about the science of science communication and how communication-oriented research from the social and behavioral sciences informs her communication efforts at the National Academies of Sciences, Engineering, and Medicine. The policy work at the Academies will be front and center as she provides examples of communication products and dissemination campaigns designed with audience relevance and impact in mind.**

**2:00 pm – 4:00 pm**

**The five research projects funded by this initiative will be the stars of the late afternoon session as Barbara Kline Pope and Peter Froehlich facilitate lively brainstorming and planning workshops to use the inspiration from the earlier session and best practices in communication to build and strengthen practical and creative communication plans for each of the five collaborative research activities. Whether you are part of one of these five teams or have research projects of your own that are struggling to get out into the broader world, you will leave with valuable experience after participating in these “case studies.”**