

Citizen Science Maker Summit Agenda, 2016

Wednesday, October 26, 2016

6:00 – 7:00 pm	Reception at the Crowne Plaza Hotel (optional) light Hors d'Oeuvres and cash bar Welcome address, Dave Guston, Director of the School for the Future of Innovation in Society (ASU)
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Thursday, October 27, 2016

7:30 – 8:00 am	Shuttle or walk to the ASU Chandler Innovation Center (ACIC)
8:00 – 8:45 am	Breakfast at ACIC
8:50 – 9:15 am	Welcome and overview Ira Bennet (ASU SFIS), Darlene Cavalier (SciStarter/ASU) and Micah Lande (ASU)
9:20 – 10:20 am	Keynote address - How Makers Are Changing the Economics of Discovery David Lang , Open ROV founder
10:20 – 10:50 am	Break
10:50 – 11:50 am	Key note address - How Far Have We Come and What Challenges Lie Ahead? Alison Parker (EPA), Sophia B. Liu (USGS), and Trey Lathe (MakerEd)
12:00 – 1:00 pm	Lunch and keynote talk - Nancy Stoner, Pisces Foundation – “Empowering Citizen Science with Emerging Technologies”
1:00 – 1:30 pm	Lightning Talks : Andrew Torelli (iPhone Spectrometer), Joan Horvath (Nonscriptum LLC), Jeffrey Warren (Open Hardware), Narendra Das (NASA/JPL), Dave Bakker (PocketLab)

Oct. 27 afternoon (cont.)

Seekers and Solvers Breakout Sessions

Seekers: “How do I find the right tool for my research interest?”

Solvers: “I have a tool! How do I get it into the hands of other people?”

During three interactive panel discussions, topics will be explored to help address issues both Seekers and Solvers face. You’ll be able to chose one of the four below.

TechShop session: An additional fee of \$15 and pre-registration are required for the TechShop. An additional TechShop time is offered during lunch on Friday for the same ‘making’ activities. The TechShop staff can accommodate 10 people, per tool, per session.

1:30 – 2:30 Breakouts

<p>Maker to Manufacturing</p> <p>So you have a good idea? Now what? Learn from those who have taken their ideas and turned them into products. Learn about scalability of tools and manufacturing.</p>	<p>Moderator: Ariela Zycherman (AAAS/NSF)</p> <p>Panelists: Dave Bakker (PocketLab), Rich Cameron (Nonscriptum LLC), Jeffrey Warren (Open Hardware), TBD (PhotoSynq)</p>
<p>TechShop (optional, \$15 additional)</p> <p>Experience one of three “making” options within the TechShop. You will be able to keep what you make. On the registration form, choose from three TechShop activities.</p>	<p>Plasma cutting is a process that cuts through electrically conductive materials by means of an accelerated jet of hot <u>plasma</u>. Project: Fall Themed Luminary</p> <p>Vinyl Cutter: The computer controls the movement of a sharp blade. This blade is used to cut out shapes and letters from sheets of thin self-adhesive plastic (vinyl). This vinyl can then be adhered to materials using a Heat Press. Project: Fall Themed Tote Bag</p> <p>Laser cutting works by directing the output of a high-power laser most commonly through optics. This laser can raster, etch and cut through many different materials. Project: Fall Themed Pint Glass</p>

Oct. 27 afternoon (cont.)

2:30 – 3:15 pm	<p>Making Tools Discoverable Let's co-create a citizen science tools database. Add your favorite tool!</p> <p>Darlene Cavalier (SciStarter/ASU), Micah Lande (ASU), Anne Bowser (Wilson Center)</p>
3:15 – 4:15 pm	<p>Data Quality Participants learn from real-world needs to find/design/deploy low cost instruments to advance federal research (water, soil, air).</p> <p>Moderator: Lea Shanley (South Big Data Innovation Hub)</p> <p>Panelists: Andrew Torelli (iPhone Spectrometer), Andrea Wiggins (UMD), Narendra Das (NASA), Jennifer Couch (NIH), Sophia B. Liu (USGS)</p>
4:15 – 4:30 pm	Break
4:30 – 5:00 pm	Lightning talks: Ariela Zycherman, Heather Fischer, Mike Kautz, Katherine Ball, Jane Crayton
5:00 – 5:30 pm	Birds of a Feather Un-conference session
5:30 – 7:00 pm	Dinner break (on your own)
7:00 pm	Ice Cream Social and "Show and Tell" (optional)

FRIDAY, October 28, 2016

7:30 – 8:00 am	Shuttle and walk to the ASU Chandler Innovation Center
8:00 – 8:45 am	Breakfast
9:00 – 10:00 am	Keynote address: Heather Fleming , founder of Catapult Design
10:00 – 10:30 am	Break
10:30 – 11:30 am	Design and Discuss
12:00 – 1:00 pm	Lunch / TechShop time (see above for tool options, select on the registration form).