OurCS: Augmented Reality Visualizations of IoT

DAY 3: Preparing the Team Presentation

Katy Börner*, Andreas Bueckle, Mike Hu

*Victor H. Yngve Distinguished Professor of ISE and Information Science Director, Cyberinfrastructure for Network Science Center School of Informatics, Computing and Engineering Indiana University, USA

OurCS Event at Indiana University

Oct 26-28, 2018
<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
<th>Who</th>
<th>Needed</th>
</tr>
</thead>
</table>
| Fri Oct 26   | 11a-12.30p | Self-introductions Intro to Sentient Architecture (Katy), Amatria tour (Andreas), Dendrite Moth Field Array, show videos Q&A | VIS/Fab Lab | Katy, Mike, Andreas   | - 15 handouts of Dendrite instructions  
- 15 handouts of Moth instructions  
- Printouts of Amatria schematics and plans |
|              | 2.15-3.30p | Moth building part 1, build base for electronics                        | VIS/Fab Lab | Mike                | 15 kits, spargate, crazy long screwdriver                             |
|              | 4-5.45p   | Moth building p2, extruding, assemble frond + actuators                 | VIS/Fab Lab | Mike                |                                                                        |
| Sat Oct 27   | 9-10.30a | Intro to laser-cutting, also cut Chevrons                                | VIS/Fab    | Mike                | Cut for 30(?) more Moths? How many laser-cutters do we have? Precut elements? Minimize waiting times |
|              | 11-12.30p | Manual writing, figure out what to capture in what way                  | VIS/Fab Lab | Katy                | Camera setup for this.                                                 |
|              | 3.15-3.30p | Group picture!                                                          |            | Andreas             |                                                                        |
|              | 4-6p      | Manual writing, p. 2 Kit construction, impacted by                      | VIS/Fab Lab | Mike                |                                                                        |
| Sun Oct 28   | 9-10.30a | Finish manual writing and Moth construction Daisy chain Moths           | VIS/Fab Lab | Mike                |                                                                        |
|              | 11-12.30p | Prepare team presentation                                                | VIS/Fab Lab | Katy                | Survey                                                                |
|              | 1-3.30p   | Team presentation                                                       | Dorsey Learning Hall | Katy, Mike, Andreas |                                                                        |
**Amatria Dendrite**

*Amatria* Dendrites, on display in the Luddy Hall Visualization Lab (room 4012), are pieces of living architecture. Each comprises one light sensor (the eye) and actuators such as lights and a strand of shape memory alloy that makes the sculpture move. Software controls the sensor and actuators. Dendrite fields were built in the 2017 ISE Summer camp. See below for events and activities where you can build or view dendrites.

Resources: [Amatria Dendrite Manual](https://cns.iu.edu/amatria.html) | [Code on GitHub](https://cns.iu.edu/amatria.html)

---

**Amatria Moth**

*Amatria* Moths, on display in the Luddy Hall Visualization Lab (room 4012), are the newest generation of *Amatria*-related architectural elements. For a limited time you can purchase a moth kit and build one yourself. Kits are $25 and can be ordered at [go.iu.edu/moth](https://cns.iu.edu/amatria.html). See below for additional events and activities where you can build or view moths.

Resources: [Amatria Moth Manual](https://cns.iu.edu/amatria.html)
10 Tips To Make World Class Business Presentations

1. Know your audience. Understand & connect with them.
2. Tell a story. Stories connect better than hard data.
3. Convey 1 idea per slide. Too much info confuses audience.
4. Use visuals. We are wired to remember visuals better.
5. Remove visual clutter. Perform ‘Noise Audit’ on your slides.
6. Keep it simple. Stifle tendency to show off your knowledge.
7. Invest in your skills. Learn from presenters in action.
8. Avoid Death by PowerPoint. Practice without slides.
9. Anticipate objections and prepare proofs to address them.
10. Provide a clear call to action. Track audience based on this metric.

For more visit Presentation-Process.com
During the Presentation

• Rehearse your presentation performance many times, e.g., five times.

• Try to maintain eye contact
• Memorize key phrases
• Don’t stress too much!

• Work as a team
• Storyboard your presentation
• Practice your best “stage presence”
Divide and Conquer

Let’s Make 5 Teams:

• Photographers—light, composition, purpose
• Story Tellers—Also Title, Author names, Intro, FAQ, etc.
• Content Developers
  1. Build Electronics Sled + solder, Connect Electronics Sled to Spar + zip ties
  2. Assemble Moth Sled + heat shrink tubing
• Testers/Editors/Printers—assemble all parts into one ppt, also prepare group presentation on Sun.