

# OurCS: Augmented Reality Visualizations of IoT

## *DAY 3: Preparing the Team Presentation*

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*OurCS Event at Indiana University*

*Oct 26-28, 2018*

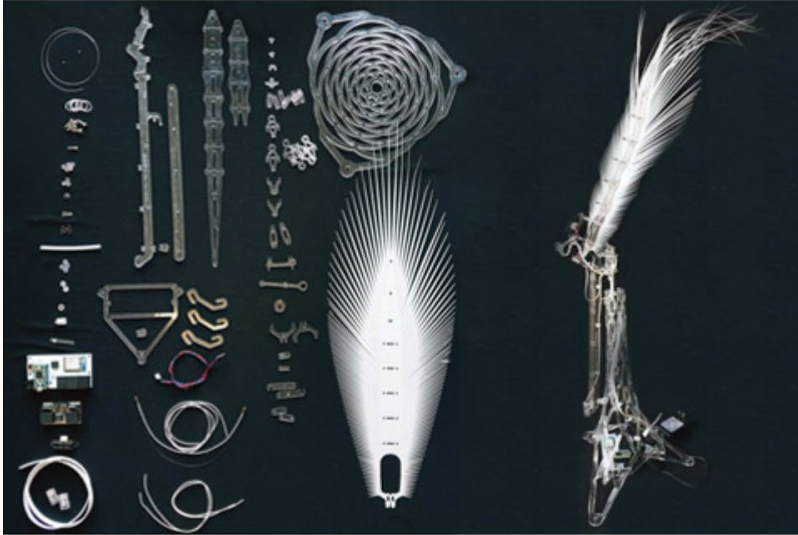


# OurCS Goes Moth

Day	Time	Activity	Location	Who	Needed
<b>Fri Oct 26</b>	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	<ul style="list-style-type: none"> <li>- 15 handouts of Dendrite instructions</li> <li>- 15 handouts of Moth instructions</li> <li>- Printouts of Amatria schematics and plans</li> </ul>
	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	
<b>Sat Oct 27</b>	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.
	<b>3.15-3.30p</b>	<b>Group picture!</b>		<b>Andreas</b>	
	4-6p	Manual writing, p. 2 Kit construction, impacted by	VIS/Fab Lab	Mike	
<b>Sun Oct 28</b>	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

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*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](#) | [Code on GitHub](#)

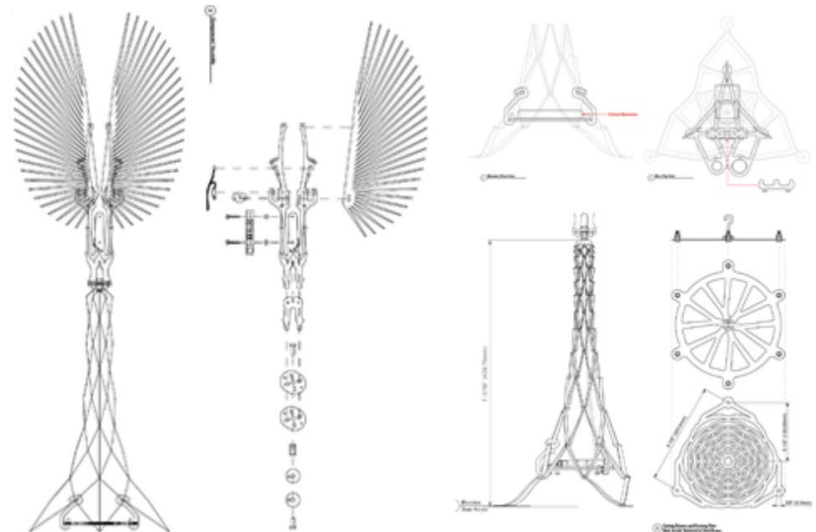
## Amatria Moth

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*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://go.iu.edu/moth). See below for additional events and activities where you can build or view moths.

Resources: [Amatria Moth Manual](#)

<https://cns.iu.edu/amatria.html>



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By	Date	Status	Rel By	Rel Date
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Notes

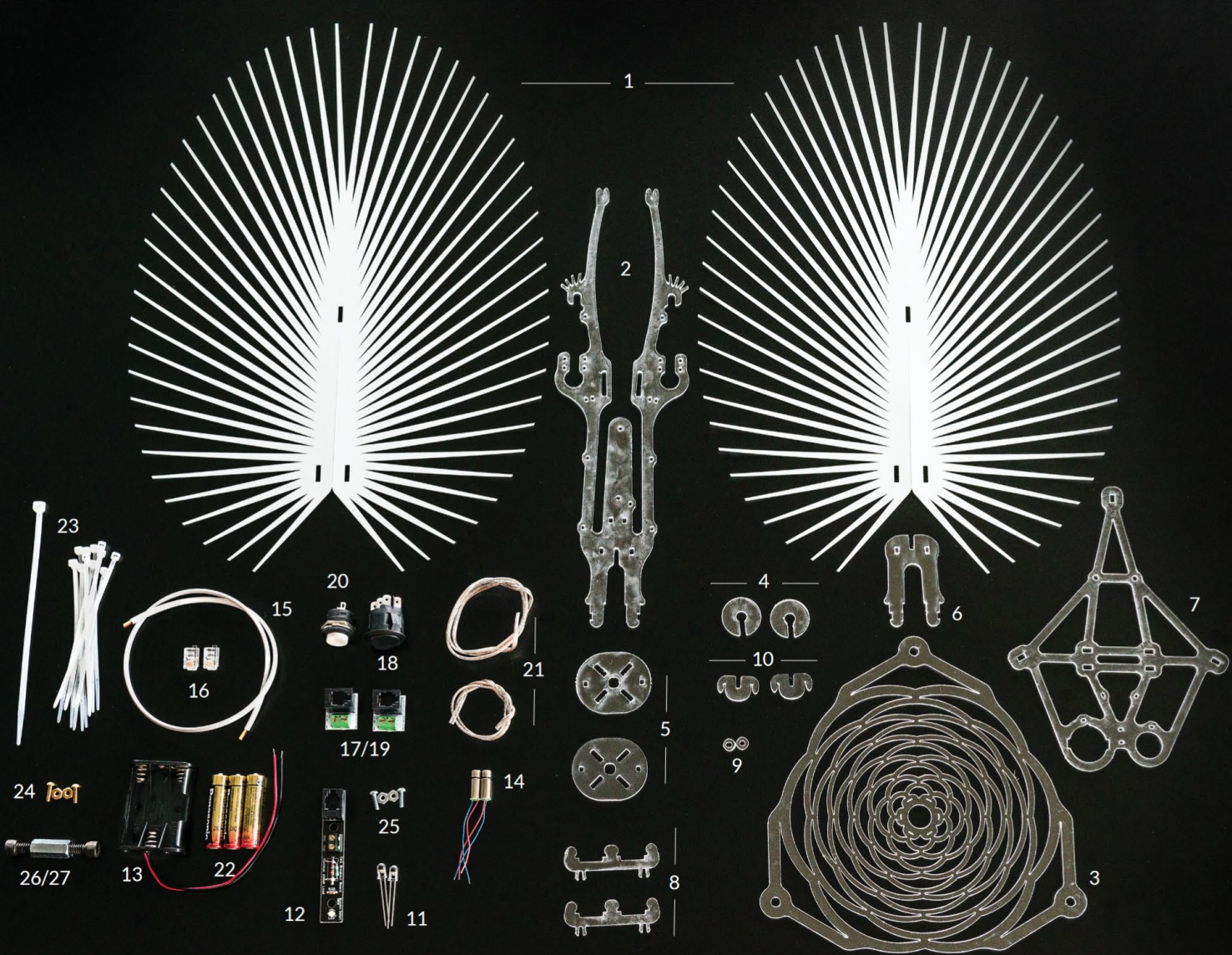
Legend

- 1. Frond (2)
- 2. Moth sled (1)
- 3. Spar (1)
- 4. Moth sled fastening (2)
- 5. Moth sled fastening plate (2)
- 6. Moth sled holder (1)
- 7. Electronics sled (1)
- 8. Electronics sled fastener (2)
- 9. Acrylic washer (2)
- 10. Frond fastener (2)
- 11. LED lightbulb (2)
- 12. Jack plate (1)
- 13. Battery pack (1)
- 14. DC motor (2)
- 15. Flat 4P short cable (47cm) (1)
- 16. Modular plug end (2)
- 17. Moth breakout board (2)
- 18. DPDT switch (2)
- 19. 4P4C jack (2)
- 20. Momentary button (1)
- 21. 24AWG speaker wire (2)
- 22. AAA battery (3)
- 23. Zipties (12 sm, 1 lg)
- 24. Screw & washers for battery pack (2 ea)
- 25. Screw & washer for moth sled (2 ea)
- 26. Large plastic screw (2)
- 27. Metal sleeve for large plastic screw (1)

Project  
**Amatria Moth**

Title  
**Amatria Moth Parts**

Sheet  
**A205**



# 10 Tips To Make World Class Business Presentations



Know your audience.  
Understand & connect  
with them.



Tell a story. Stories  
connect better than  
hard data.

1 Idea

Convey 1 idea per  
slide. Too much info  
confuses audience.



Use visuals. We are  
wired to remember  
visuals better



Remove visual clutter.  
Perform 'Noise Audit'  
on your slides.



Keep it simple. Stifle  
tendency to show off  
your knowledge.



Invest in your skills.  
Learn from presenters  
in action.



Avoid Death by  
PowerPoint. Practice  
without slides



Anticipate objections  
and prepare proofs to  
address them.



Provide a clear call to  
action. Track audience  
based on this metric.

For more visit [Presentation-Process.com](http://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.