

Day 3 Quiz & Summary

Day 3 Quiz

- What are the important considerations when incorporating lattice structures into a design?
- What is the build preparation software? Why do we use it?
- Why is AM particularly suitable for manufacturing customised or personalised parts?

Day 3 Summary

Session 1 - 5 th of July, 2021	Session 3 - 12 th of July 2021	Session 5 - 19 th of July, 2021
<ul style="list-style-type: none"> 1. Welcome & Introductions 2. Intro Quiz 3. Intro to Polymer Processes 4. Process Selection Exercise 5. Part Downselection 6. Downselection Exercise 7. Day 1 Quiz & Summary 	<ul style="list-style-type: none"> 16. Day 2 Recap 17. Cellular Structures: Lattices 18. Customisation 19. Compliant Mechanisms & Metamaterials 20. AM Process Simulation 21. Build Prep Demo 22. Design for Post-Processing 23. Support Removal 24. DfPP Exercise 25. Day 3 Quiz & Summary 	<ul style="list-style-type: none"> 31. Day 4 Recap 32. Materials 33. AM Cost & Sustainability 34. AM Cost Exercise 35. Design Exercise 36. Day 5 Quiz & Summary
Session 2 - 7 th of July, 2021	Session 4 - 14 th of July, 2021	Session 6 - 22 nd of July, 2021
<ul style="list-style-type: none"> 8. Day 1 Recap 9. Workflow Overview 10. DfAM Mindset: Design Thinking 11. DfAM Mindset Exercise 12. Generative Design & Top Op 13. Generative Design & Top Op: DEMO 14. Polymer AM Shop Floor Overview 15. Day 2 Quiz & Summary 	<ul style="list-style-type: none"> 26. Day 3 Recap 27. Reverse Engineering 28. Design for Manufacturing 29. Design Buildability Exercise 30. Day 4 Quiz & Summary 	<ul style="list-style-type: none"> 37. Day 5 Recap 38. Design Exercise Evaluation 39. Documentation 40. AM Future 41. Day 6 Quiz & Summary 42. Course Survey 43. Course Test 44. Course Summary

Day 4

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Any Questions...?

See you all tomorrow!