Al for Computational Design and Manufacturing Course Schedule

Instructor Wojciech Matusik

Time	Day 1 – July 21	Day 2 – July 22	Day 3 – July 23	Day 4 – July 24	Day 5 – July 25
9:00-10:30	Module 1: Digital Data Representations – Lecture	Module 3: Generative Al Models for Design – Lecture	Module 5: Al-based Simulation – Lecture	Module 7: Design Optimization—Lecture	Module 9: Design to Manufacturing – Lecture
10:30–12:00	Module 1: Digital Data Representations – Lab	Module 3: Generative AI Models for Design – Lab	Module 5: Al-based Simulation – Lab	Module 7: Design Optimization – Lab	Module 9: Design to Manufacturing – Lab
12:00–1:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:00-2:30	Module 2: Design Spaces – Lecture	Module 4: Performance and Simulation – Lecture	Module 6: Simulation to Reality Gap — Lecture	Module 8: AI for Inverse Methods – Lecture	Module 10: Al for Process Optimization – Lecture
2:30-4:00	Module 2: Design Spaces – Lab	Module 4: Performance and Simulation – Lab	Module 6: Simulation to Reality Gap — Lab	Module 8 AI for Inverse Methods– Lab	Module 10: Al for Process Optimization – Lab
4:00-5:00	AI/ML Review	Tell Us About Your Design & Manufacturing Problems	Lab Tour	Latest Research in AI for Design and Manufacturing	Course Recap and Q&A