

Robotics & Artificial Intelligence Summer School for USTC, 6 - 17 August 2018

Week 1:

Monday 6 August

08:30	Programme Registration
08:45	Welcome and Introduction to Imperial
09:00	Introduction - Robotics and AI (1)
	Introduction - Robotics and AI (2)
	Tutorial 1
12:00	Welcome lunch with student ambassadors
13:00	Group Photo followed by Campus Tour
14:00	Group Project Planning
16:30	End of day

Tuesday 7 August

09:30	Machine Learning -fundamentals (1)
	Machine Learning -fundamentals (2)
	Tutorial 2
12:30	Lunch
13:30	Teams work on group project
16:30	End of day

Wednesday 8 August

09:30	Artificial Neuronets (1)
	Artificial Neuronets (2)
	Tutorial 3
12:00	Lunch
13:30	Social activity with student ambassadors
	Silicon Roundabout and Tech City – London Walking Tour
16:30	End of day

Thursday 9 August

09:30	Probabilistic Reasoning (1)
	Probabilistic Reasoning (2)
	Tutorial 4
12:30	Lunch
13:30	Group project pitch and tutorial
16:30	End of day

Friday 10 August

09:30	Shape and Feature Recognition (1)
	Shape and Feature Recognition (2)
	Tutorial 5
12:30	Lunch
13:30	Business Model Innovation
15:30	Effective Communication for Presentation Workshop
17:30	End of day

Saturday 11 August & Sunday 12 August

Free time to explore London

Week 2:

Monday 13 August

09:30 **Robotic Vision - (1)**
Robotic Vision - (2)
Tutorial 6

12:30 Lunch

13:30 Teams work on group project

15:30 Group project supervision

16:30 End of day

Tuesday 14 August

09:30 **Image sequence processing (1)**
Image sequence processing (2)
Tutorial 7

12:30 Lunch

13:30 Teams work on group project

15:30 Group project supervision

16:30 End of day

Wednesday 15 August

09:30 **3D Vision and Shape from X (1)**

11:30 **3D Vision and Shape from X (2)**

Tutorial 8

12:30 Lunch

13:30 **Social sightseeing activity with student ambassadors**

Thames River Cruise

16:30 End of day

Thursday 16 August

09:30 **Robotic Vision - Applications in Healthcare (1)**

Robotic Vision - Applications in Healthcare (2)

Tutorial 9

12:30 Lunch

13:30 Teams work on group project

15:30 Group project supervision

16:30 End of day

Friday 17 August

09:30 Presentation rehearsal - Group 1

10:00 Presentation rehearsal - Group 2

10:30 Presentation rehearsal - Group 3

11:00 Presentation rehearsal - Group 4

11:30 Presentation rehearsal - Group 5

12:00 Presentation rehearsal - Group 6

12:30 Lunch

13:30 Students arrive for presentations setup

14:00 Presentation - Group 1

14:15 Presentation - Group 2

14:30 Presentation - Group 3

14:45 Presentation - Group 4

15:00 Presentation - Group 5

15:15 Presentation - Group 6

15:30 break

15:45 Closing Ceremony & Announcement of winning team and prize giving

16:15 End of Programme activity with ambassadors

18:15 Programme ends and students depart