Innovations in Personal Urban Mobility: PI. 966s
June 24-27, 2013

Instructors
Kent Larson & Ryan Chin

Teaching Assistant
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Day 1: June 24th

8:30 Course Introductions and logistics – Kent Larson, Ryan Chin
9:00 “Futurist Visions of Personal Mobility” – Videos by BMW & GM
10:00 “Serving a Population with Fewer Vehicles: Bike Sharing” – Xavier Barrera (Public Bike System of Montreal)
10:45 Break
11:00 “Sense Networks: Urban Mobility Patterns” – Sandy Pentland (MIT Media Lab)
11:45 “New Charging Infrastructure for Shared-Use Electric Fleets” – Claude Ricaud (MIT Media Lab) – Video conference Lecture via Webex
12:30 Lunch on your own in the Kendall Square area.
1:30 Tour of MIT Campus – Joost Bonsen (MIT Media Lab) – Tour leader
3:30 Divide into teams (1 hour assignment)
4:30 Review each team project
5:00 Adjourn
6:00 Group BBQ

Day 2: June 25th

8:30 Game plan for day 2 – Kent, Ryan
8:35 “Compact City Cells and Streetscapes” – Kent Larson
9:00 “Making the Clean Energy City China” – Ira Winder (MIT Department of Urban Planning)
9:45 “Electric Cars are Here to Stay” – Craig Carlson (Craig Carlson, LLC.)
10:45 Break
11:00 “How are Cities responding (Boston in Particular)” – Vineet Gupta (City of Boston, Department of Transportation)
11:45 “Intermodal transit” – Brandon Martin-Anderson (MIT Media Lab)
12:30 Lunch own your own
1:30 “New Energy Networks for EVs” – Praveen Subramani (MIT Media Lab)
2:15 “MIT’s Campus Mobility Pass” – John Attanucci (MIT Civil and Environmental Engineering)
3:00 Assignment #2 Introduction – Kent Larson and Ira Winder
3:15 Divide into Teams (1 hour assignment)
4:15 Review each project
5:00 Adjourn
Day 3: June 26th

8:30 Game Plan for day 3
9:00 "Car Sharing Models" – Stephen Zoepf (MIT Engineering Systems Division)
9:45 Break
10:00 "Macro Connections" – Cesar Hidalgo (MIT Media Lab)
10:45 "Smart Grids and Energy Storage" – Praveen Subramani (MIT Media Lab)
11:15 "Urban Ventures Commercializing Innovations in Sustainable Mobility” – Joost Bonsen (MIT Media Lab)
12:00 Lunch time talk “From Chemistry to your EV” Christine Onnerud (Boston-Power, Inc.)
12:30 Lunch (brought in)
1:30 “Autonomous Driving Technologies” – Sertac Karaman (MIT Department of Aeronautics and Astronautics)
2:15 “Autonomous Vehicles and Pedestrians” – Nick Pennycooke (MIT Media Lab) – Lab tour
3:00 Assignment #3 Introduction
3:15 Divide into Teams (1 hour assignment)
4:15 Review each project
5:00 Adjourn

Day 4: June 27th

8:30 Game Plan for Day 4
10:00 “Some Thoughts About Sustainable Urban Mobility: Challenges and Opportunities” – Jim Aloisi (AECOM, Former Secretary of Transportation, Massachusetts)
10:45 Assignment no. 4 Introduction
11:00 Divide into teams (1 hour assignment)
12:00 Working Lunch (lunch provided) – Preparation for Final Review
1:00 Final review with invited guests (lunch provided, guests TBC).
   o Ralph Gakenheimer (MIT Department of Urban Planning)
   o Joost Bonsen (MIT Media Lab)
   o Nigel Jacob (City of Boston, Mayor’s Office of New Urban Mechanics)
   o Vineet Gupta & Rachel Szakmary (City of Boston, Department of Transportation)
   o John Attanuci (MIT Civil Engineering and Environmental Engineering)
   o Xavier Barrera (Public Bike Share)

3:00 Adjourn