

FUTURE MOBILITY WORKSHOP
SENSING THE FUTURE

PROGRAM

Engin Tulay

April 2016

ACTIVITY

For the first four days, the activity will focus on presenting ideas and concepts that will be expressed, transformed and materialised during the process and embedded into final projects.

DAY 1

INTRO

Lecture: The contemporary transportation systems, networks and city infrastructures. Interrelations and qualities of vehicles in terms of interactions with the inhabitants. The technological and socio-cultural progresses in the context of future mobility. Transformation of human-to-machine interfaces. Transportation, environmental, urban development and global issues in future prospect.

Presentation: The cross section between mobility, architecture and city platform. The context of car by analyzing and expressing its spatial structure. Aesthetic and symbolic values of cars. Sensuous and semiotic norms in mobility and architecture.

Presentation: Analyse and discuss the various selected projects as inspiration (such as student works, competitions, concepts) in the context of workshop.

Short working session: Brainstorming. Mindmaps. Diagrams. Key words. Themes. Sketching.

DAY 2

REVIEW

Short Lecture: The biotic relation between human and machine. Human and machine interactions & transformation in conjunction with senses, emotions, comfort, environmental issues and safety parameters. Concepts such as movement, motion, driving, travel, embodiment, time and space scope.

Presentation: Analyse and discuss the various selected projects as inspiration (such as student works, competitions, concepts) in the context of workshop.

Short review: Design directions. Moodboard. Documentation. Communication tools and methods.

Working session: Brainstorming, Mindmaps, Diagrams, Context of design. Sketching. Researching. Charts. User scenarios. Storyboards. Draft modeling.

DAY 3

REVIEW

Short Lecture: Flexible Inncity Vehicles. Long Distance Crusers, Remote Control Vehicles, Road Safety, Emission-free energy sources. Access to communication & Information sources. E-mobility. Car Sharing. Autonomous (Driveless Car) Systems, On demand car, Hydro Utility based transportation systems. Diversity and customization. New platforms and architecture in vehicle design.

Presentation: Analyse and discuss the various selected projects as inspiration (such as student works, competitions, concepts) in the context of workshop.

Review: Design Analysis and Critics. Target. Segmentation. Moodboard. Documentation. Communication tools and methods.

Working session: Diagrams, Sketching. Charts. Researching. User scenarios. Storyboards. Solutions. Context of design. Draft modeling.

DAY 4

REVIEW

Short Lecture: Future technologies, Cognitive sensations. Spatial and structural perceptions of movement. Imaginary emotions. Digital life patterns and tools. Location based applications. Virtual environmental norms. Vehicle interior and advance materials in terms of variable, modular, transformable, transmorphable, programmable, flexible, adaptable, associative concepts.

Presentation: Analyse and discuss the various selected projects as inspiration (such as student works, competitions, concepts) in the context of workshop.

Review: Design Analysis and Critics. Target. Segmentation. Transformation. Conceptualisation. Materialisation. Technical, aesthetical, functional, social aspects in details. Documentation.

Working session: Diagrams, Sketching. Charts. User scenarios. Proposing the transportation system and mobility paradigm. Context of design. Solutions. Material used. Source of energy. Assembly and manufacturing processes. Modeling.

DAY 5

REVIEW (Final Day)

Short Lecture: Activating "Life on Move" concept. Mobile Lives. Socially Hybrid vehicles. Velocity. Variety of global transportation issues such as congestion, pollution, safety and sustainability. Symbiotic relationship between architecture and

vehicles in future city phenomenon. Value of time and space as future luxury paradigm.

Presentation: Analyse and discuss the various selected projects as inspiration (such as student works, competitions, concepts) in the context of workshop.

Short Project review: Design Analysis and Critics. Transformation. Conceptualisation. Technical, aesthetical, functional, social aspects in details. Documentation.

Final Presentation: Results and discussions.

DIDACTICS

Students will work either individually or in group. Their projects will be discussed and assessed by the tutor with daily revisions. Students are expected to proceed with their work autonomously in the forenoon and the meetings with the teacher to present their advancement.