

FUTURE MOBILITY WORKSHOP
THE ART OF MOBILITY

The Program

Engin Tulay

April 2017

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ACTIVITY

For the first six 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. Generating ideas about mobility, movement, motion relates to future transportation design.

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

Lecture: Transformation of human-to-machine interfaces. Transportation, environmental, urban development and global issues in a future prospect. The biotic relation between human and machine. Human and machine interactions&transformation in conjunction with senses, emotions, comfort, environmental issues and safety parameters. The intention of vary mobility forms in an artistic manner both emotionally and functionally.

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

Review: Design directions. Moodboard. Documentation. Communication tools and methods.

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

DAY 3

REVIEW

Lecture: Flexible innercity vehicles. 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. Reflect the multiple aspects of symbolic and artistic content of mobility. The values of volume and norms of proportion in vehicle design. The fundamental principles of form, function, structure and scale. Assume the architectural function for internal and external structures.

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. Context. Research. User scenarios. Storyboards. Draft modeling.

DAY 4

REVIEW

Lecture: Future technologies, cognitive sensations. spatial and structural perceptions of movement. Imaginary emotions. Future digital life patterns and tools and location based applications. Virtual environmental norms. Concepts such as movement, motion, driving, travel, embodiment, time and space scope. Aims at capturing the essence of nature for future transportation 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. 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. Materialization. Source of energy. Assembly and manufacturing processes. Draft modeling.

DAY 5

REVIEW

Lecture: Vehicle interior and advance materials in terms of variable, modular, transformable, transmorphable, programmable, flexible, adaptable, associative concepts. New platforms and architecture in vehicle design. Incorporating technological innovation, functional as well as aesthetic criteria, quality of execution, clarity of structure, environmental concerns and simplicity in terms of future 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. Transformation. Conceptualisation. Technical, aesthetical, functional, social aspects in details. Documentation.

Working session: Diagrams. Sketching. Charts. User scenarios. Proposing the transportation system and mobility paradigm. Context. Materialization. Modeling.

DAY 6

REVIEW

Lecture: Activating "Life on Move" concept. Mobile Lives. Socially-Hybrid vehicles. Velocity. Variety of global transportation issues such as congestion, pollution, safety and sustainability. An innovative process for new dialogues, multiple narratives and speculative thinking for the future mobility concepts. Reflect a seamless transition between the vehicle and its environment. Use of advance technological materials and visual lightness for the future design philosophy.

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. Transformation. Conceptualisation. Technical, aesthetical, functional, social aspects in details. Documentation.

Working session: Diagrams. Sketching. Charts. User scenarios. Proposing the transportation system and mobility paradigm. Context. Materialization. Modeling.

DAY 7

REVIEW (Final Day)

Short Lecture: Symbiotic relationship between architecture and vehicles in future city phenomenon. Value of time and space as future life paradigm.

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. 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.