

International Open Electives | 16-27 January 2017

A series of two week long multi-disciplinary workshops to challenge the student participants to creatively engage in design and construction of 'artefacts' (tangible/ intangible) that traverse the boundaries of space and time.

Aqua-city

IOE17034

MAXIMUM SEATS 20
AHMEDABAD CAMPUS

OVERVIEW

Scientific research indicates that sea levels worldwide have been rising at an accelerating rate since the early 1990s.

The trend, linked to global warming, puts thousands of coastal cities such as Mumbai, Manhattan and Tel Aviv at risk of being claimed by the ocean. Paradoxically, evolution tells us that all land creatures evolved from the sea about 400 million years ago, but recent man made changes in our globe are forcing us back into the sea.

The workshop participants will travel to a futuristic flooded city, where the water is gradually rising. Assuming that not all people would want, or be able, to leave for higher grounds, the students would be challenged to think about issues of mobility in a densely populated, flooded area: how would one go to school/work, do shopping, visit a friend or just go for a walk where there are no roads, sidewalks etc. And where the future is bleak.

OBJECTIVE

To challenge the students to think about our basic ability to walk outside of our private living space, within the urban space.

To re-evaluate materials, apparatus, habits, and needs that are part of our lifestyle in a dry environment

To design devices that will enable living in this new aqua-city environment.

METHODOLOGY

Through watching sci-fi movies, looking into case studies (Mumbai July 2005, New Orleans August 2005, Fukushima March 2011 and more) and imagining, the participants will discuss the changing environment.

Next, students will develop a strategy, followed by a design of mobility devices that mitigate the problems created by the flooding. It may be an individual solution (prosthesis) a mode of transportation (bubble), a communal solution (a bridge), permanent or temporary, evolving or any other idea.

Through research, sketches (2 and 3 dimensional) and numerous class critique the students will develop prototypes.

MISSION SPECIALIST(S)



TAMAR AKOV

Industrial designer

<http://tamarakovbac.wixsite.com/blog>

Tamar Akov, an industrial designer specializing in sustainable design and sanitation, has an MA in Industrial Design and BA in visual communication from Bezalel Academy of Art and Design in Jerusalem, Israel.

Tamar taught Sustainable Design, Sustainable Materials, Packaging and User centered design at various design colleges in Israel, and India. She has worked as a designer in Tel Aviv, Atlanta, and Washington DC.

Her furniture pieces and designs have been featured and sold at galleries and exhibitions in Washington DC, New York, London, and Tel Aviv.