

Post Urban Living Innovation

PULI



Mexico & Japan
2018

Profesors & Tutors

Universidad Panamericana
Professor Luis Arturo Méndez Alba

Universidad Iberoamericana
Professor Gerardo Velazquez

Tecnológico de Monterrey, CCM
Associate Professor Inés Álvarez-Icaza Longoria

Universidad Nacional Autónoma de México
Associate Professor Julián Covarrubias Valdivia

Tecnológico de Monterrey
Associate Professor Alejandro Martínez Baca

Universidad de Monterrey
Professor Carlos Chaveznava Treviño
Professor Shun Higashi

Chiba University
Professor Shinji Watanabe
Associate Professor Ayako Nagase
Associate Professor Kenta Ono
Lecturer Algirdas Paskevicius
Research Assistant Juan Carlos Chacón
Research Assistant Hisa Martínez Nimi

Organizers & Coordinators

Chiba University
Director of PULI Program / Professor Makoto Watanabe
PULI Program Coordinator Hitomi Tsuchikura
PULI Program Assistant Keiko Sugita
PULI Program Assistant Emi Takamori

KB FOAM Inc.
Keita Kasahara

Special Lecturer
Professor Tatsuya Hayashi

Introduction & Objectives of PULI Program

The Post Urban Living Innovation Education and Research Program uses technology to take on the challenges posed by the various issues facing human life. This program is focused on situations in Japan and Central America to clarify the challenges faced by the world's urban areas. One large problem shared by the world's urban lifestyles is related to urban overcrowding. Accepting a rapid influx of a population that grows as its nation's economy develops, causes the provision of things like housing and

transport infrastructure to fall behind, forcing many people to live in horrible conditions. These are issues that both developed nations and developing nations have in common. This program will implement a next generation, practically-versed human resources development program (Post Program) jointly in Japan and Central America, to develop superior human resources with practical experiences who will contribute to the future.

PULI Program Development Process & Timeline



Planning & Research
October 2017

Workshop in Mexico
February 2018

Workshop in Japan
March 2018

Presentations
June 2018



Final Presentation at the Embassy of Mexico on 5th June 2018, Tokyo, Japan

PULI Programs 2018

Five main programs were developed combining business planning, sales strategies and technology.

PULI 001

Design Against Crime & ICT for Future House

PULI 003

Quality of Life in Overcrowded City

PULI 007

Bioclimatic & Sustainable Architecture

PULI 002

New World by Hydrogen, 2040

PULI 006

Future Living for Future Community

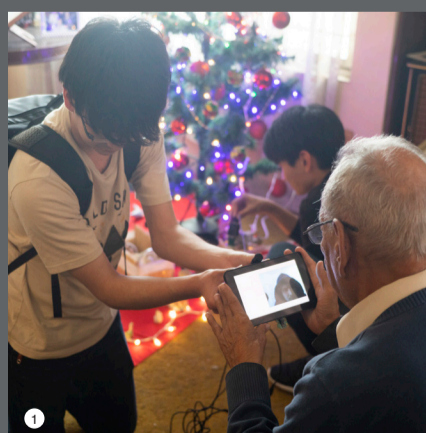
PULI 001 Design Against Crime & ICT for Future House

This project tested several prototypes of security systems in different conditions during the workshops in Mexico and Japan.

Chiba University
Nondo Jacob Sikazwe
Motoki Murata
So Ohta
Katsumi Sato
Jiayue Wang
Linnan Yi
Shun Takagi
Hiroto Kanno
Jihye Im
Tao Chen

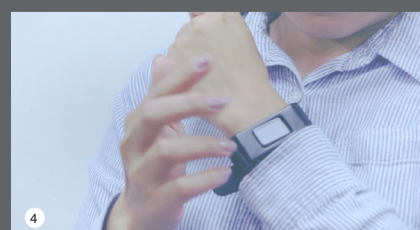
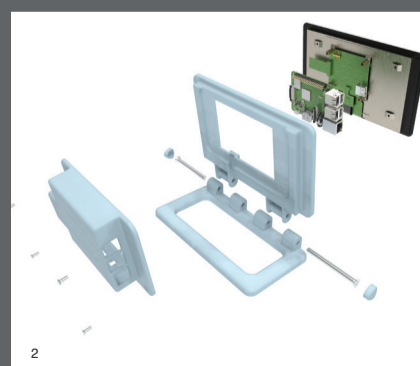
Universidad de Monterrey
Ana Paula Bremer Mena
Anasol Del Rivero Morfín
Alondra Elizalde Luna
Mariana Esquer Andrade

Tecnológico de Monterrey
Samantha Yépiz
Luisa Mariana Nájera
Carlos Cáceres
Jesus Reyna



1. Prototype testing at Primavera's community

Universidad Nacional Autónoma de México
Alejandra Enríquez Cisneros
Flor Arminda García Rea
Ingrid Hernández Segura
Casandra Lizbeth Méndez Martínez



2. Comuna security prototype / 3. Prototype testing at Chiba University.
4. Famiband Prototype. / 5. Workshop at Tecnológico de Monterrey.



PULI 002

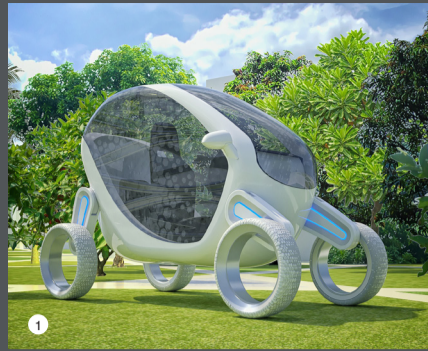
New World by Hydrogen, 2040

This project proposed conceptual systems composed by hydrogen-empowered appliances designed to impact cities in the near future.

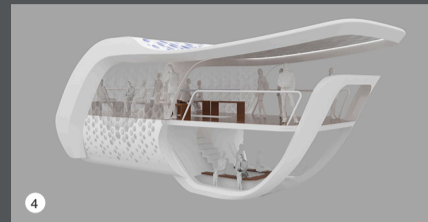
Chiba University
Iwazaki Arisa
Endo Risa
Shimizu Chinatsu
Sakata Wakako
Tanaka Shoko
Matsumoto Tatsuya
Sofía López Zendejas

Universidad Nacional Autónoma de México
María Nicole Alcántara Servín
Federico Capogrossi
Daniel Llermaly

Tecnológico de Monterrey
Mónica Arrillaga Rivera
Alejandro Vivián Antón
Jesús Rubén Sifuentes Santiago



1. H2 Car. / 2. Farbot harvester



3. ZOOX platform in the ocean / 4. H2 Boat. / 5. Workshop activities in Mexico

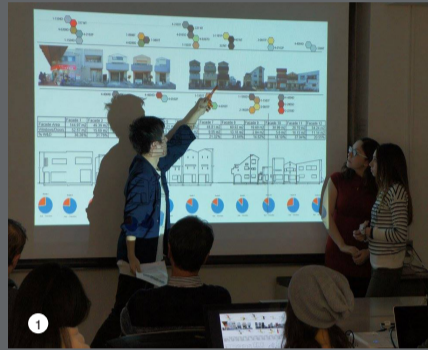
PULI 003

Quality of Life in Overcrowded City

This project analyze the relationship between color in Mexican architecture and the quality of a community to improve community life.

Chiba University
Yoshihiro Hirai
Takumi Kotake
Takahiro Saito
Misaki Miyata
Ayano Yamaguchi
Tetsuya Kawamura
Miyuki Kotani
Taihei Iwasaki
Shinpei Kojima
Hiroki Matsushita

Universidad de Monterrey
María Fernanda Romero Castro
Victoria Leal Liama
Paulina Cervantes
Yolanda Garza
María Fernanda Garza
Diana Sanchez Martinez
Daniela Vasquez Gomez
Paola Fernandez
Liz Mora
Samantha Diaz



1. Facade analysis / 2. Workshop at Oaxaca



3-5. Gathering color data the facade

PULI 006

Future Living for Future Community

This project has two principal approaches: Transform a trailer box into a house for vulnerable families and promote teamwork between Mexican and Japanese students.

Chiba University
Asumi Yamada
Yuri Kondo
Moe Niitsu
Shoshin Nakasone
Tsukasa Nakano
Kanta Kanaya
Yukari Matsuoka
Mutsumi Honda

Universidad Panamericana
María José Armendariz Curiel
Ana Belem Rivera López de Lara
María Fernanda Ramírez Castorena
Cinthia Verónica Delgado Calzada
Renata Campos de la Torre
María Isabel Muñoz de Loera
Mariles Ávila Soto
Luisa Guillén Prince



1. Workshop at Universidad Panamericana



2. Cooking activity at Universidad Panamericana / 3. Future House Lab Construction Workshop / 4. Stinger Renovation in Chiba, Japan / 5. Japanese food workshop at Universidad Panamericana

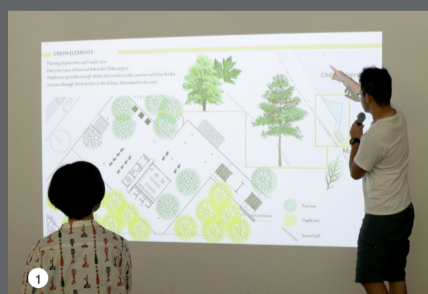
PULI 007

Bioclimatic & Sustainable Architecture

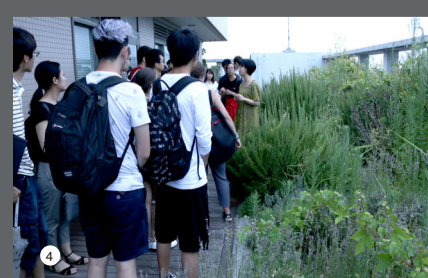
The objective of this project is to provide better environment for people within cities, through greening and sustainable architecture design.

Chiba University
Sofía López
Kyouhei Ito
Gabriela Yoshitani
Samuel Basso
Jin Yuting
Limseang EA
Suzuna Mikurino
Tomoya Osuda
Motoki Fujisaki
Tomoko Fujimori

Universidad Iberoamericana
Melissa Quintero
Luis Miguel Alvarez
Paula Peña
Antonio Saucedo Azpe
Dominique Diaz
Fernanda Sasián



1. Workshop at Chiba University



2. Prof. Tatsuya Hayashi presentation / 3. Special Lecture about Bioclimatic by Prof. Gerardo Velazquez / 4. Green roof at Chiba University / 5. Special Lecture about Green Roofs by Prof. Ayako Nagase