

INTEGRATED PRODUCT DESIGN

SCHOOL OF DESIGN

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POLITECNICO
MILANO 1863

25_05_2018 | Prof. Francesco Zurlo

INTERNATIONAL Ranking

QS RANKING | ARTS & DESIGN

# RANK	UNIVERSITY	LOCATION	COMPARE	STARS™
2018 ▾	University search <input type="text"/>	By location ▾	↓	<input type="checkbox"/> Rated only
1	 Royal College of Art More		<input type="checkbox"/>	
2	 Parsons School of Design at The New School More		<input type="checkbox"/>	
3	 Rhode Island School of Design (RISD) More		<input type="checkbox"/>	
4	 Massachusetts Institute of Technology (MIT) More		<input type="checkbox"/>	
5	 Politecnico di Milano More		<input type="checkbox"/>	



2nd



5th



INTEGRATED PRODUCT DESIGN [IPD]

DEFINITION

Integrated Product Design [IPD], renewing the former Product for Innovation program, intends to be the **most updated design approach today**. The aim of the course is educating professionals with a **multidisciplinary attitude**, able to manage **complex systems**, to govern **tangible and intangible** systemic features of a company's offering, to contribute to the **improvement of the design culture**. IPD provides the tools and the method to integrate knowledge and experiences, considering the **link between design, technology and new functions**; to understand **market and strategic** organizational **issues**; to focus on **social and environmental topics**; to clearly understand the relationship between **product and process**. The program focuses on educating Product Designers who can **think creatively**, who are able to **manage and lead multidisciplinary design teams**, ready to deal with **emerging technologies and future scenarios**, open to explore and to expand alternative design solutions.

INTEGRATED PRODUCT DESIGN [IPD]

KEYWORD

_ **INNOVATION PROCESSES**

_ **SYSTEM THINKING**

_ **CULTURE, USER, MARKET, ENTERPRISE**

_ **PRODUCT-SYSTEM** (i.e. product+services+information)

... it is worth saying that the course has been always a pioneer, in our Design School, in exploring **new opportunities for the discipline of design:**

Service design

Strategic design

Design for sustainability

Design for local development

Design for social innovation

were born here...

INTEGRATED PRODUCT DESIGN [IPD]

DISCIPLINARY Mix

DESIGN	42
TECHNOLOGY / ENGINEERING	15
SOCIAL AND HUMAN SCIENCES	27
ELECTIVE	12
INTERNSHIP	14
THESIS	10
Tot	120

CFU

42

15

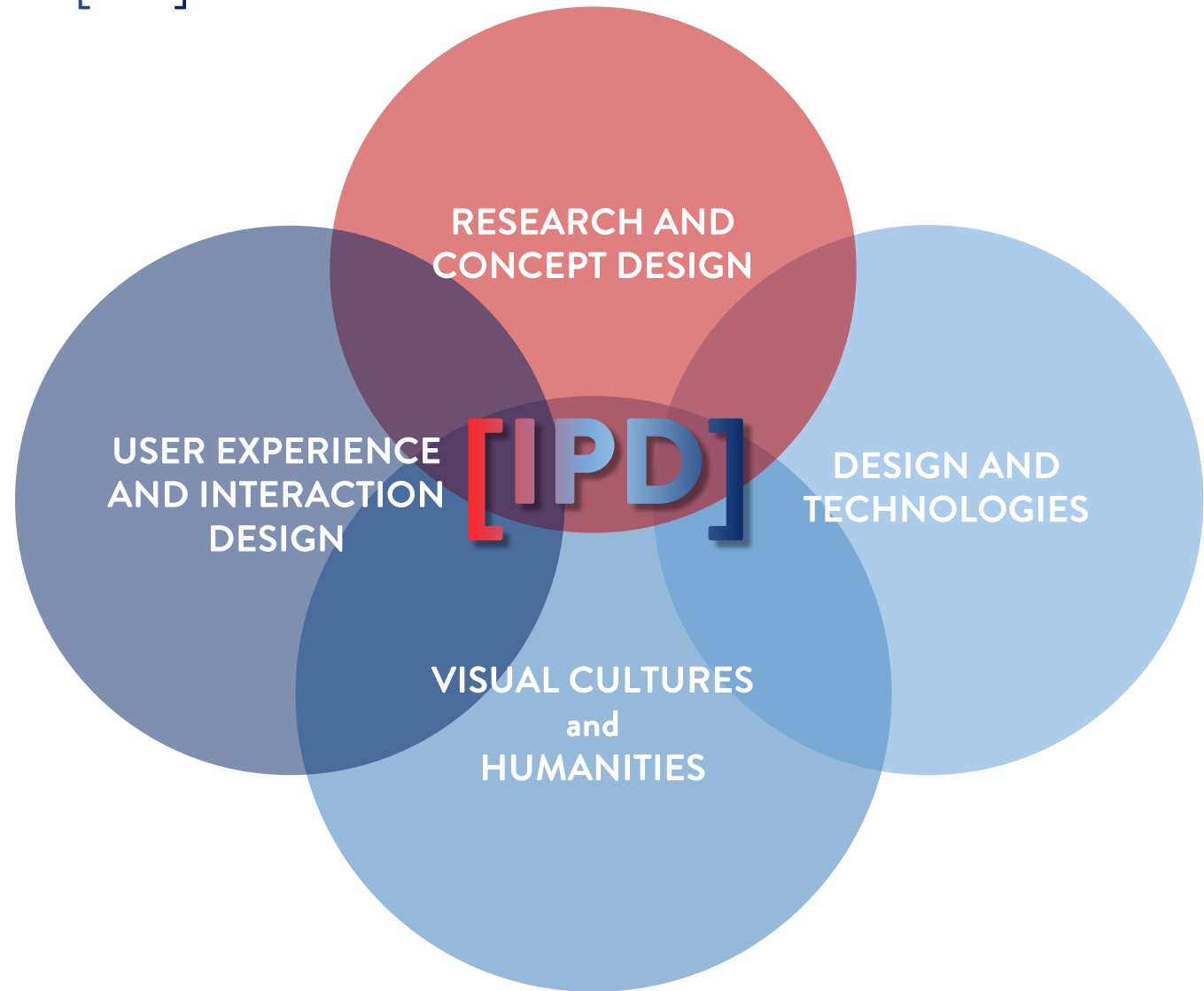
27

12

14

10

120



RESEARCH AND
CONCEPT DESIGN

USER EXPERIENCE
AND INTERACTION
DESIGN

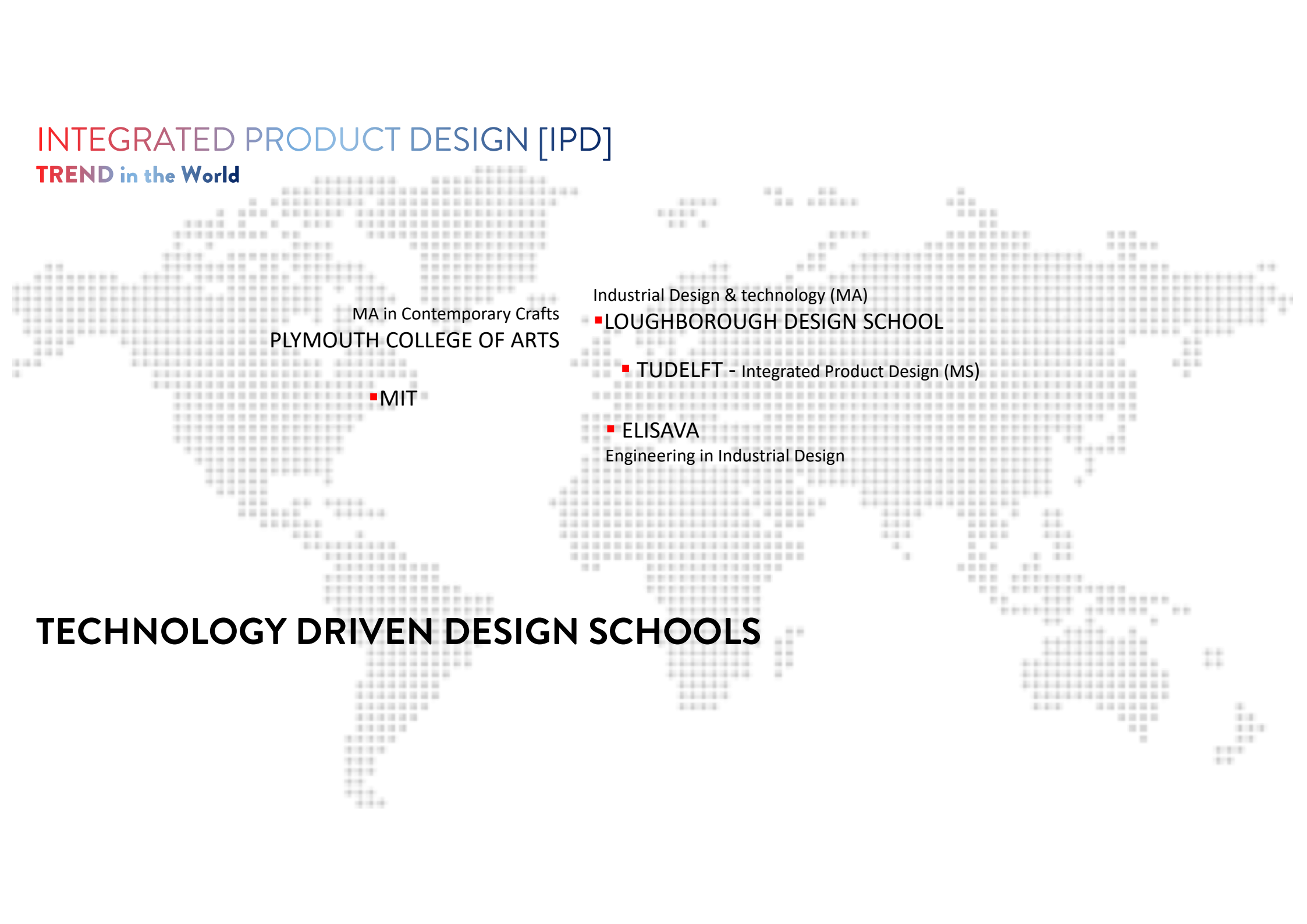
DESIGN AND
TECHNOLOGIES

VISUAL CULTURES
and
HUMANITIES

[IPD]

INTEGRATED PRODUCT DESIGN [IPD]

TREND in the World



MA in Contemporary Crafts
PLYMOUTH COLLEGE OF ARTS

▪ MIT

Industrial Design & technology (MA)

▪ LOUGHBOROUGH DESIGN SCHOOL

▪ TUDELFT - Integrated Product Design (MS)

▪ ELISAVA

Engineering in Industrial Design

TECHNOLOGY DRIVEN DESIGN SCHOOLS

INTEGRATED PRODUCT DESIGN [IPD]

TREND in the World

MA in Creative & Cultural Entrepreneurship: Design
GOLDSMITH

MS Design + MBA

▪ PARSON
Strategic Design (MFA)

International Design Business Management -
Master of Arts

▪ AALTO

▪ GOTEBORG
Master of business and design
(HDK+School of Business)

▪ HongKong_Polyu
International Design and Business
Management (MDes)

SYSTEM ORIENTED, BUSINESS, ENTREPRENEURSHIP

INTEGRATED PRODUCT DESIGN [IPD]

TREND in the World

- 
- **MILAN Politecnico**
Master in INTEGRATED PRODUCT DESIGN

**MERGING TECHNOLOGY WITH A SYSTEM, BUSINESS,
ENTREPRENEURSHIP ORIENTED LEARNING PROGRAM**

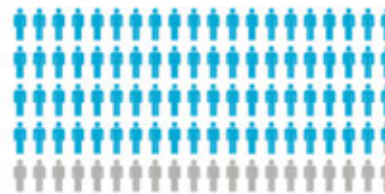
INTEGRATED PRODUCT DESIGN [IPD]

CAREER opportunities

R&D and **New Product Development services/offices/departments of industries** of different sectors, responding to the request of **professionals with a robust competence in product design** but able to understand all the implications related to the **strategies of the product-system**.

Integrated Product Design students have the possibility to apply to double degree and international Exchange Programs

Campione analizzato



Laureati Magistrali totali

74

Laureati Magistrali intervistati

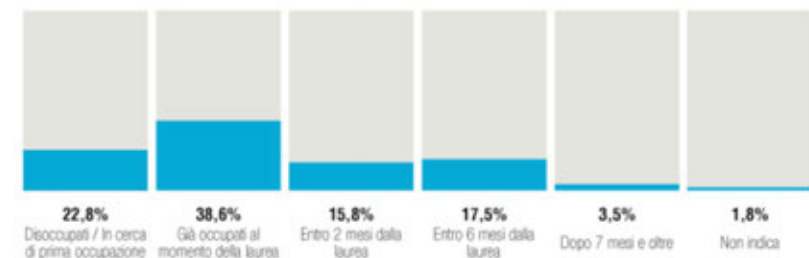
59

Situazione occupazionale



Tasso di occupazione 77,2%
Tasso di disoccupazione 22,8%

In quanto tempo trovano lavoro



 CareerService

INTEGRATED PRODUCT DESIGN [IPD]

STEERING Committee

Edgardo Angelini _ **Design Group Italia**

Eva Bei _ **Gruppo Binda**

Matilde Scandroglio _ **Whirlpool**

Patrizio Cionfoli _ **Studio Volpi**

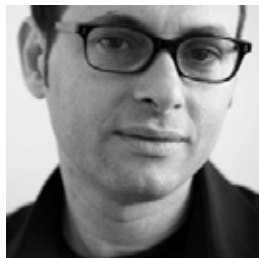
Monica Dalla Riva _ **3M**

Odoardo Fioravanti _ **Studio Fioravanti**

Marta Giardini _ **Studio Marta Giardini**

Andrea Grasselli _ **DAG Design - Gruppo Artsana**

Sara Massarutti _ **Jacuzzi**



INTEGRATED PRODUCT DESIGN [IPD]

STEERING Committee

FIRST SUGGESTIONS

- _ stressing **esthetics qualities and beauty** (of products)
- _ pushing a **cross-disciplinary approach**
- _ providing knowledge and skills to face **projects in a systemic and 360° way**
- _ teaching a **critically thinking approach** to the project
(not just theories, not just technique)
- _ **user experience**
- _ training the creative “muscles” through more **design practices**
(more projects...)



INTEGRATED PRODUCT DESIGN [IPD]

A NEW WAY of learning

Y GENERATION & MILLENNIALS

A generative METAPHOR

Accessing knowledge with your fingers... so planning a compass and always redesigning maps to find the route for innovation



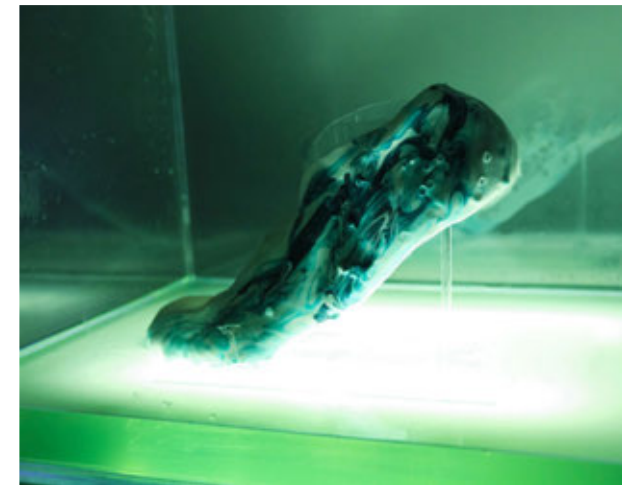
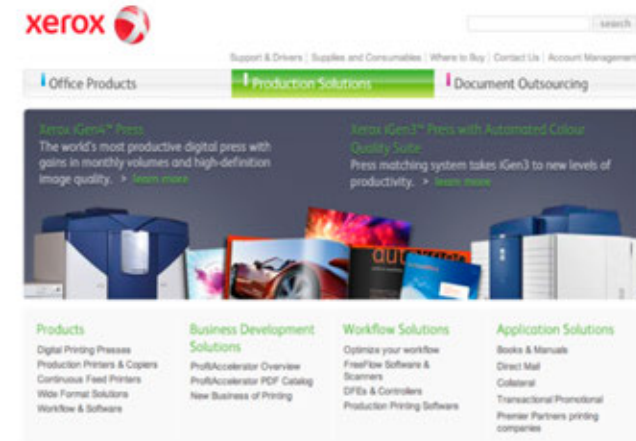
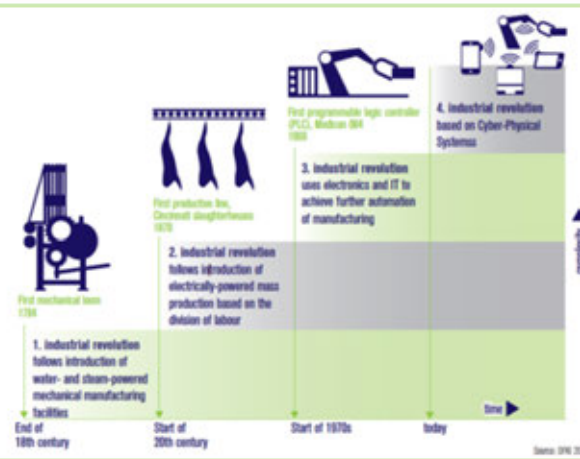
INTEGRATED PRODUCT DESIGN [IPD]

A NEW WAY of learning

TRANSFORMATIONS OF PRODUCTS, INDUSTRIES, OFFERINGS ...



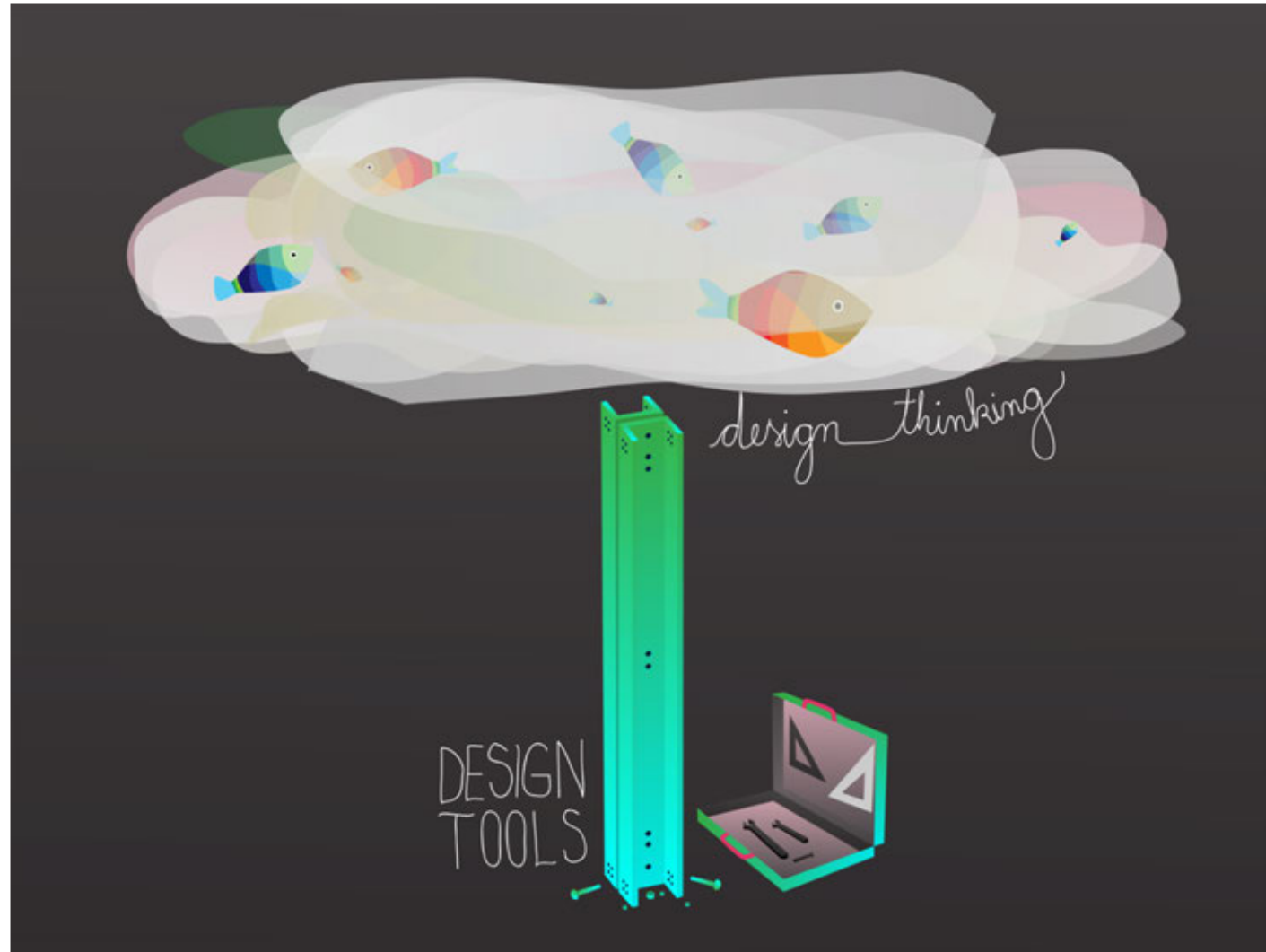
Figure 1:
The four stages of
the Industrial Revolution



INTEGRATED PRODUCT DESIGN [IPD]

A NEW WAY of learning

THE T MODEL AND THE DESIGN LEARNING



INTEGRATED PRODUCT DESIGN [IPD]

WEB SITE

[http:// productdesign.polimi.it](http://productdesign.polimi.it)

<http://productdesign.polimi.it/laurea-magistrale/>



Overview

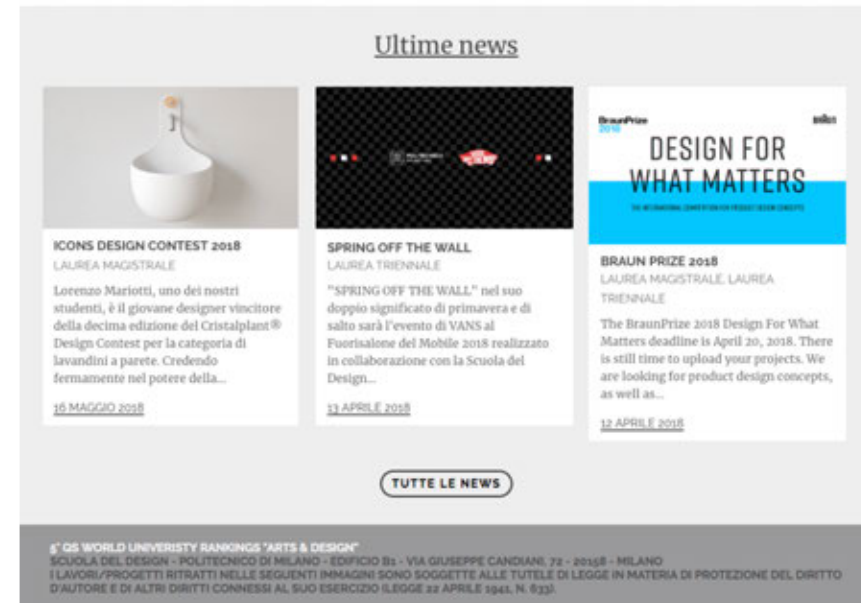
Il corso di Laurea Magistrale in Design del Prodotto Integrato è indirizzato a chi vuole approfondire i processi e le metodologie che portano alla realizzazione di prodotti innovativi.

Il corso si pone l'obiettivo, infatti, di consolidare le conoscenze acquisite durante il corso di laurea triennale, andando ad analizzare nel dettaglio tutti i processi che permettono di capire le relazioni che si instaurano tra prodotti e tecnologie, i rapporti con gli utenti finali, e come i prodotti possono entrare nel complesso mondo del marketing.

Lo studente potrà affrontare in maniera più consapevole l'infinito mondo del design attraverso competenze critiche e dettagliate, e sarà capace di intraprendere la creazione e progettazione di contesti futuri.

MODALITÀ DI ISCRIZIONE

IL CORSO



INTEGRATED PRODUCT DESIGN [IPD]

FIRST year

Course	CFU	PR1	PR2
1° SEMESTER			
DESIGN STRATEGICO E DEI SERVIZI / STRATEGIC AND SERVICE DESIGN	6	ita	eng
CULTURE VISIVE / DESIGN NARRATIVES	6	ita	eng
LAB. SVILUPPO PRODOTTO / PRODUCT DEVELOPMENT STUDIO	12	ita	eng
MATERIALI E TECNOLOGIE PER L'INNOVAZIONE DEL PRODOTTO INDUSTRIALE / MATERIALS AND MANUFACTURING DESIGN	6	ita	eng
2° SEMESTER			
ELECTIVES	6	Ita/eng	
TEORIE E CULTURE DELL'INNOVAZIONE / INNOVATION CULTURES AND THEORIES	6	ita	eng
LAB. CONCEPT DESIGN / CONCEPT DESIGN STUDIO	18	ita	eng

INTEGRATED PRODUCT DESIGN [IPD]

FIRST year

DESIGN STRATEGICO E DEI SERVIZI STRATEGIC AND SERVICE DESIGN

INTEGRATED PRODUCT DESIGN [IPD]

DESIGN STRATEGICO E DEI SERVIZI

STRATEGIC AND SERVICE DESIGN

PROJECT'S INNOVATION LANDSCAPE



Before the starting of "Leaders of Change", Santander was mainly focusing its strategy on delivering good services to its clients and to keep the company's profit model high. The intent was to generate innovative services since they claim themselves being a consumer credit bank where the customer is ideally at the center to their offer. What they were missing though was a culture towards innovation from the inside of the company. **To deliver disruptive ideas they needed first to learn the right process to adopt in order to get to know their customers from a different perspective and hence to conceive the services they design from an other angle.**

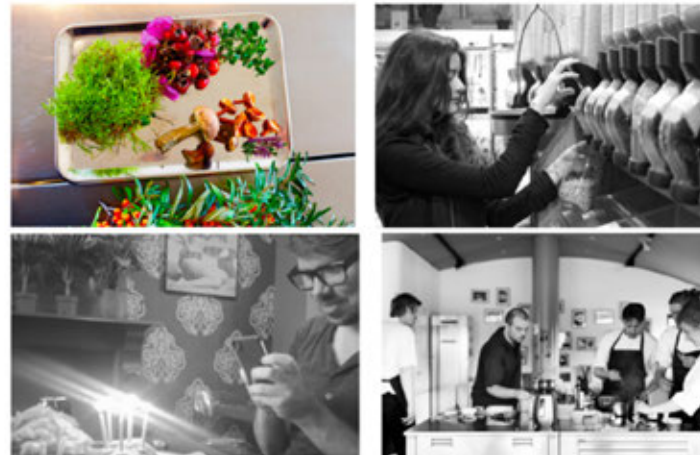
What Futanberry decided to do was to work on the cultural dimension of the organization, rather than starting from the existing services or on the profit model of the company.



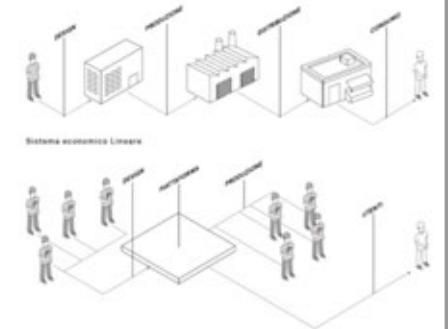
We focused on building a strong network and teaching them how to exploit it. We focused on changing how the hierarchy was managed by gathering different profiles with different charges from different departments in one group. Together we look on the process to follow and we designed innovative outputs, where the customer

► TOOL: Scenario

Scenario4:
Beautifully Healthy



1—Contesto.



L'analisi del contesto socio-economico, di quello giuridico e progettuale, dei suoi movimenti autoritativi e collaborativi, suggerisce una direzione innovativa che non può essere ignorata dai designer contemporanei. I fenomeni cooperativi operanti nell'ambito della Shared Economy hanno ormai preso piede su larga scala e sono profondamente permeati nella mentalità della generazione del Millennio e della X generazione. Il progetto Refurbished si integra sul ruolo del Design

all'interno dei fenomeni collaborativi, della sua influenza sui modelli di consumo e sulla possibilità di comunicare i valori della rete suggerisce una direzione innovativa che non può essere ignorata dai designer contemporanei. La filosofia del "fatto" genera eventi dai suoi movimenti contemporanei: Maker, F Maker, Repairer, Physical Hacker - suggerisce un reale tendenza culturale ad esprimersi in propria creatività attraverso il pragmatismo.

INTEGRATED PRODUCT DESIGN [IPD]

FIRST year

CULTURE VISIVE DESIGN NARRATIVES

INTEGRATED PRODUCT DESIGN [IPD]

CULTURE VISIVE

DESIGN NARRATIVES



INTEGRATED PRODUCT DESIGN [IPD]

FIRST year

LAB. SVILUPPO PRODOTTO
PRODUCT DEVELOPMENT STUDIO

INTEGRATED PRODUCT DESIGN [IPD]

LAB. SVILUPPO PRODOTTO

PRODUCT DEVELOPMENT STUDIO



Design by:
Leonardo Ajuti
Chiara Gervasi
Mariapaoletta Valicenti
Ting Wang

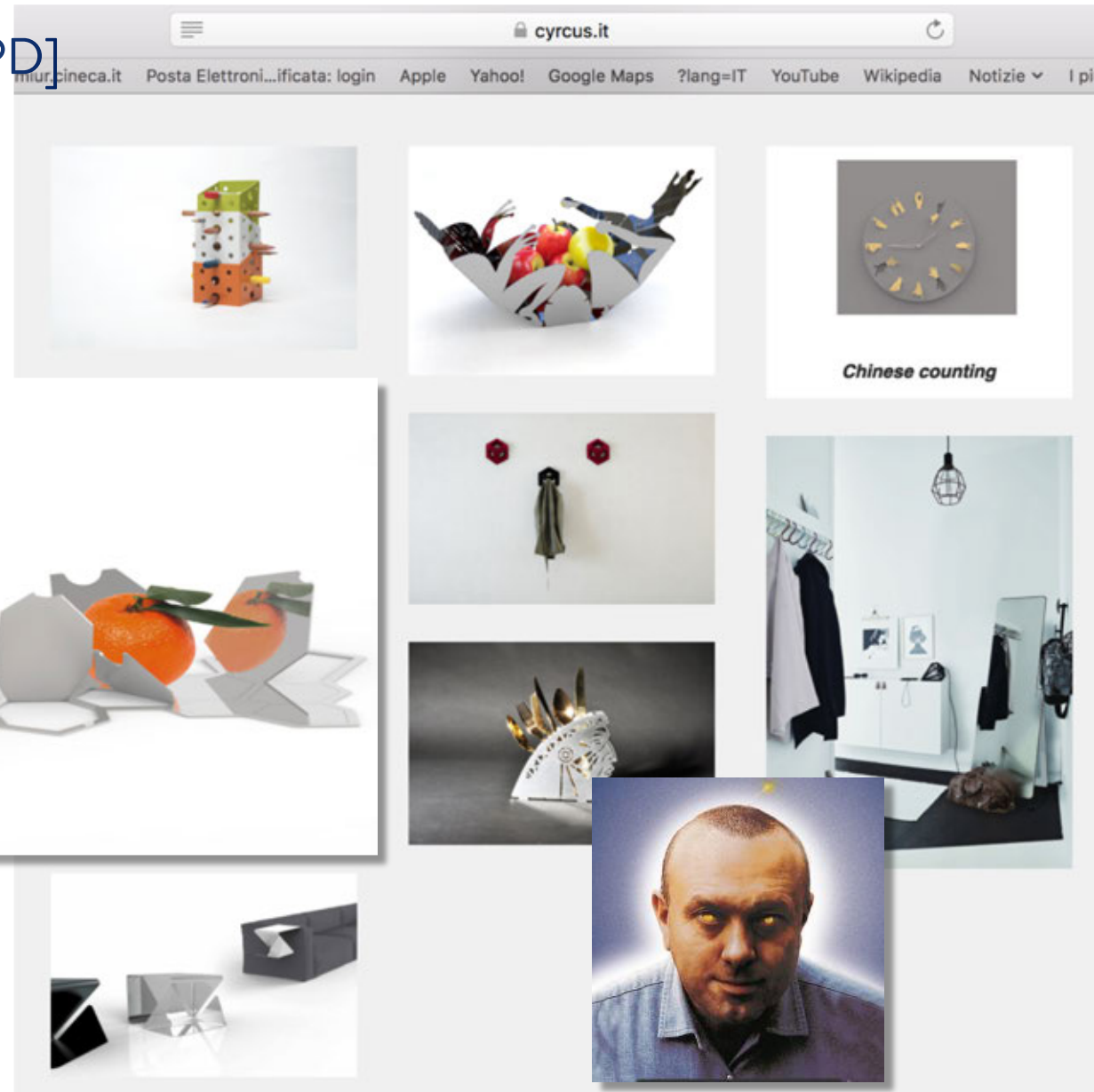


Ed. 2016/2017 _ **COLLABORAZIONE CON "ALCALAIN" (in produzione)**

INTEGRATED PRODUCT DESIGN [IPD]

LAB. SVILUPPO PRODOTTO

PRODUCT DEVELOPMENT STUDIO



Ed. 2016/2017

COLLABORAZIONE CON "CYRCUS"

(in produzione)

INTEGRATED PRODUCT DESIGN [IPD]

LAB. SVILUPPO PRODOTTO

PRODUCT DEVELOPMENT STUDIO



Ed. 2016/2017

COLLABORAZIONE CON "DA A"

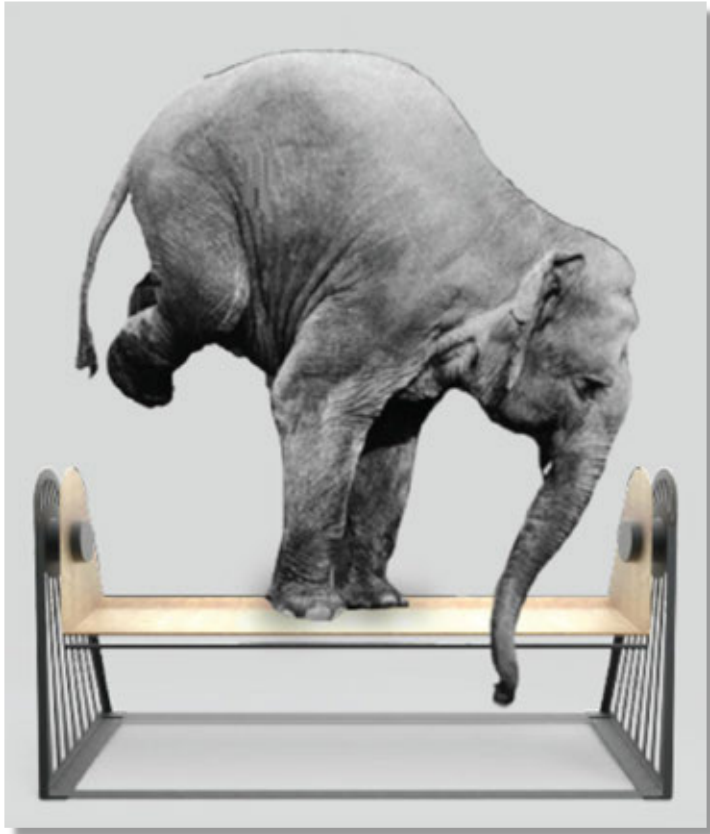
(in corso di prototipazione)



INTEGRATED PRODUCT DESIGN [IPD]

LAB. SVILUPPO PRODOTTO

PRODUCT DEVELOPMENT STUDIO



Ed. 2016/2017

COLLABORAZIONE CON "DA A"

(in corso di prototipazione)

Move it!

The pivot in the bench allows a little rocking movement of 60°, to create an interaction between the user and the product. The metal sheet of the bench is bended to avoid safety problems.



INTEGRATED PRODUCT DESIGN [IPD]

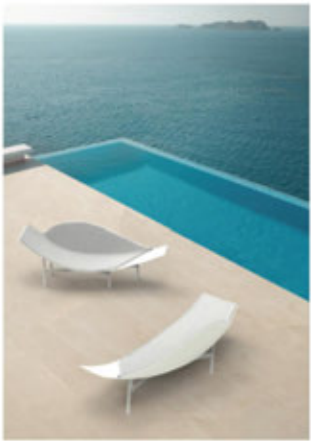
LAB. SVILUPPO PRODOTTO

PRODUCT DEVELOPMENT STUDIO

Morphé | CHAISE LONGUE

da a

SETTING | RENDER



TEAM 13
Carlo Bianchi, Juliana Godoy Henriquez, Alberto Zotti

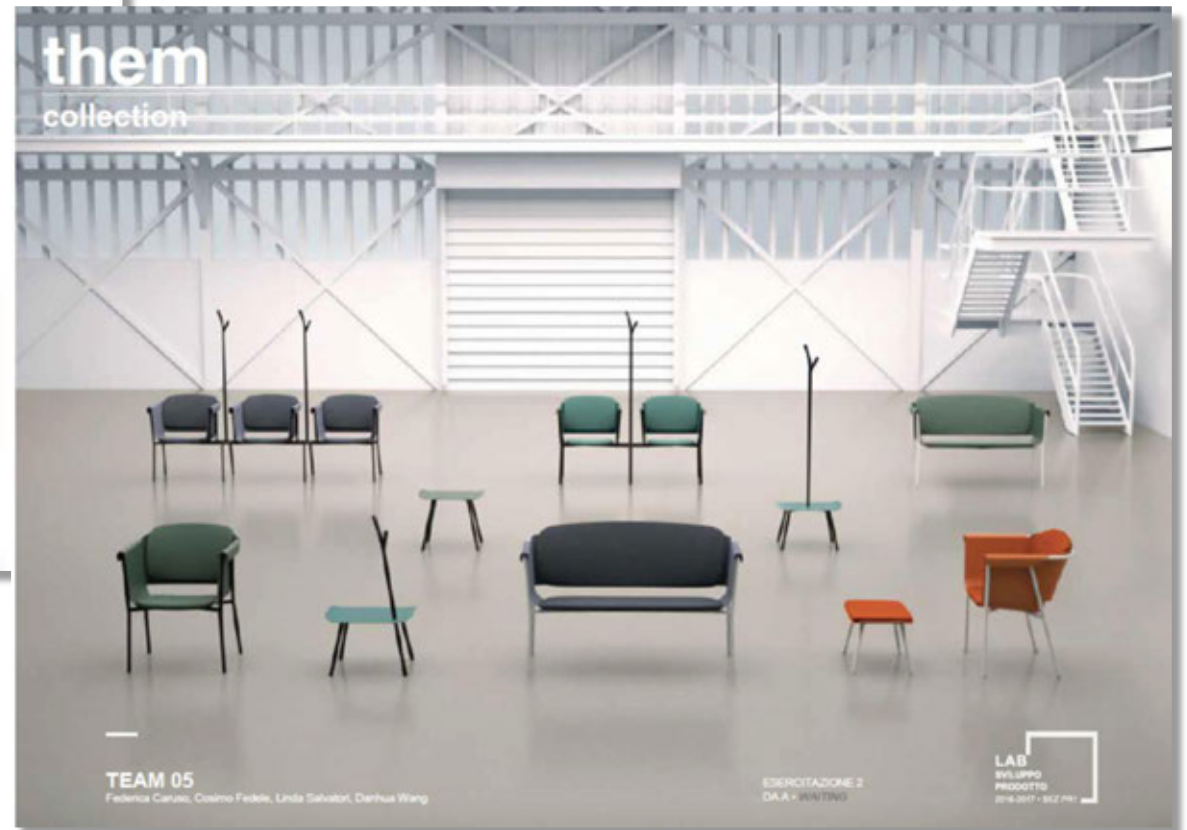
ESERCITAZIONE 2
DA A | W&P/W&P

LAB
SVILUPPO
PRODOTTO
2016-2017 - 802 191

Ed. 2016/2017

COLLABORAZIONE CON "DA A"

(in corso di prototipazione)



TEAM 05
Federica Caruso, Cosimo Fedele, Linda Salvadori, Danhua Wang

ESERCITAZIONE 2
DA A | W&P/W&P

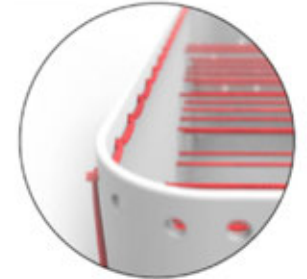
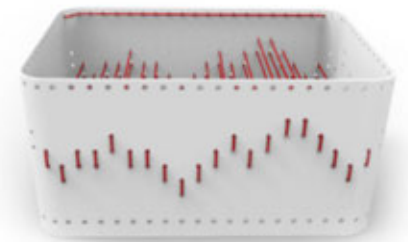
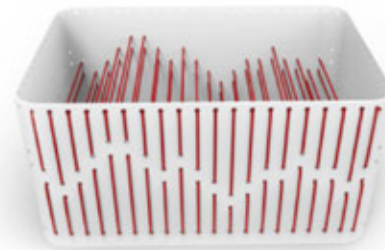
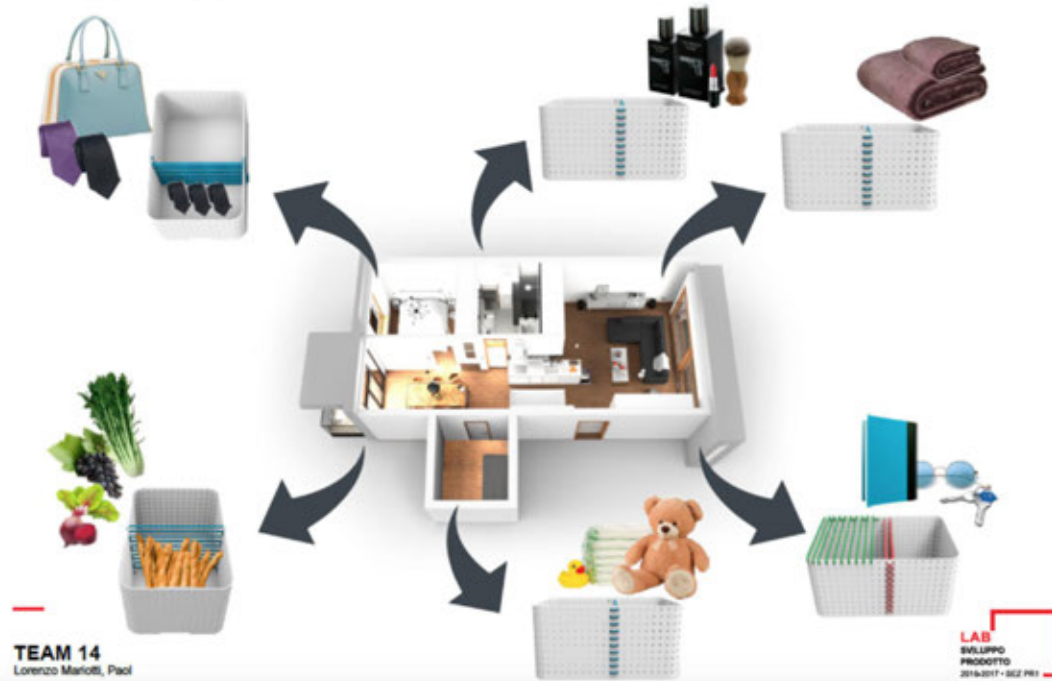
LAB
SVILUPPO
PRODOTTO
2016-2017 - 802 191

INTEGRATED PRODUCT DESIGN [IPD]

LAB. SVILUPPO PRODOTTO

PRODUCT DEVELOPMENT STUDIO

ROTHO'S HOUSE



TEAM 14
Lorenzo Mariotti, Paola Pellegrini, Floriana Verardi

ESERCITAZIONE1
ROTHO COMPANY #04/TAN 20

LAB SVILUPPO PRODOTTO
2016/2017 - SEZ P81

Ed. 2016/2017

COLLABORAZIONE CON "ROTHO"

(in produzione)

INTEGRATED PRODUCT DESIGN [IPD]

LAB. SVILUPPO PRODOTTO

PRODUCT DEVELOPMENT STUDIO

KEY FEATURES



INJECTION MOLDING OF PP

Injection point



Ed. 2016/2017

COLLABORAZIONE CON "ROTHO"

(in produzione)

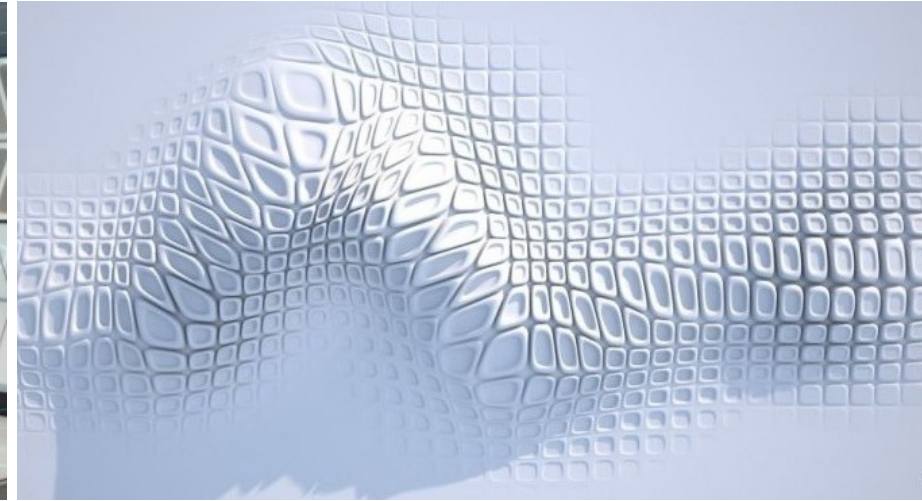
INTEGRATED PRODUCT DESIGN [IPD]

FIRST year

**MATERIALI E TECNOLOGIE PER
L'INNOVAZIONE DEL PRODOTTO
INDUSTRIALE**

INTEGRATED PRODUCT DESIGN [IPD]

MATERIALI E TECNOLOGIE PER L'INNOVAZIONE DEL PRODOTTO INDUSTRIALE



INTEGRATED PRODUCT DESIGN [IPD]

FIRST year

TEORIE E CULTURE DELL'INNOVAZIONE INNOVATION CULTURES AND THEORIES

INTEGRATED PRODUCT DESIGN [IPD]

TEORIE E CULTURE DELL'INNOVAZIONE

INNOVATION CULTURES AND THEORIES

Post Human Design



1. Post-Umanità, Progetto e Artificiale

La Singolarità al centro delle nuove sfide del design.



2. Quando le cose apprendono

Internet of Things e AI negli oggetti e nelle pratiche del quotidiano



3. Beyond User?

Quando l'utente divide la scena del progetto con la tecnologia



4. Dati, Conoscenza e Potere

L'economia delle piattaforme e la nuova società panottica



5. Riprendersi le macchine

La democratizzazione del conoscere e del fare



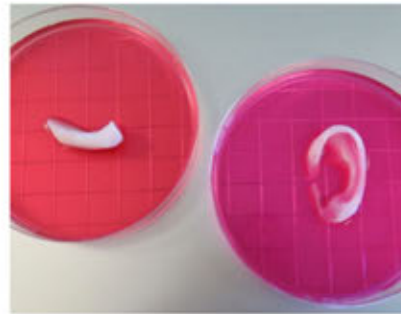
6. La società senza lavoro

Automazione e trasformazione sociale



7. La comparsa dell'Uomo Meccanico

Verso il nuovo destino artificiale dell'uomo futuro



8. Verso una nuova vita artificiale

Tra nuova medicina, CRISPR e nuovi materiali



9. Le nuove forme del cibo

Una rivoluzione dal campo alla bocca

INTEGRATED PRODUCT DESIGN [IPD]

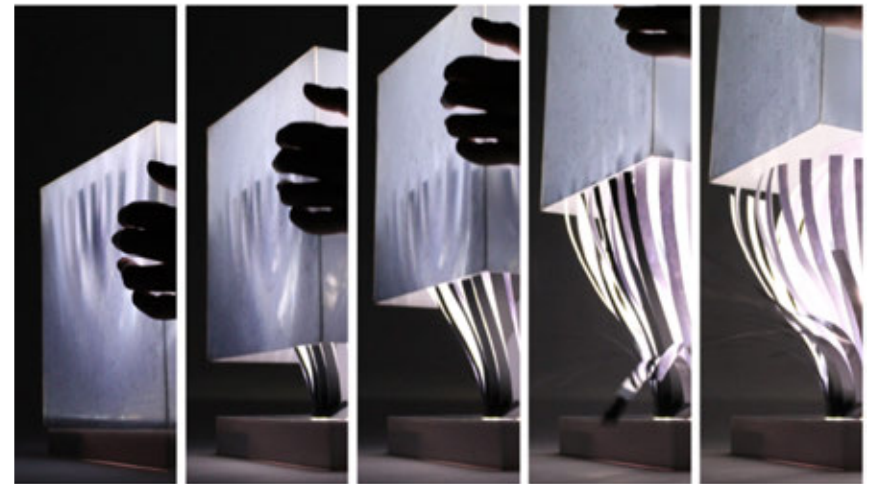
FIRST year

LAB. CONCEPT DESIGN
CONCEPT DESIGN STUDIO

INTEGRATED PRODUCT DESIGN [IPD]

LAB. CONCEPT DESIGN

CONCEPT DESIGN STUDIO



INTEGRATED PRODUCT DESIGN [IPD]

LAB. CONCEPT DESIGN

CONCEPT DESIGN STUDIO

VSUO

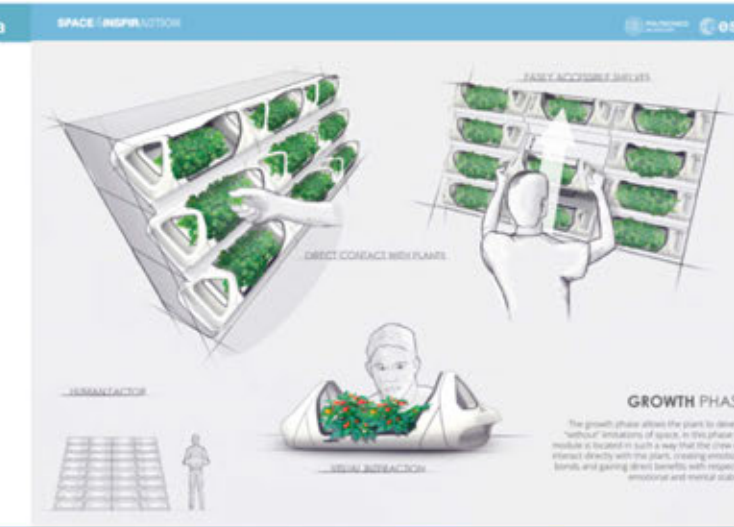
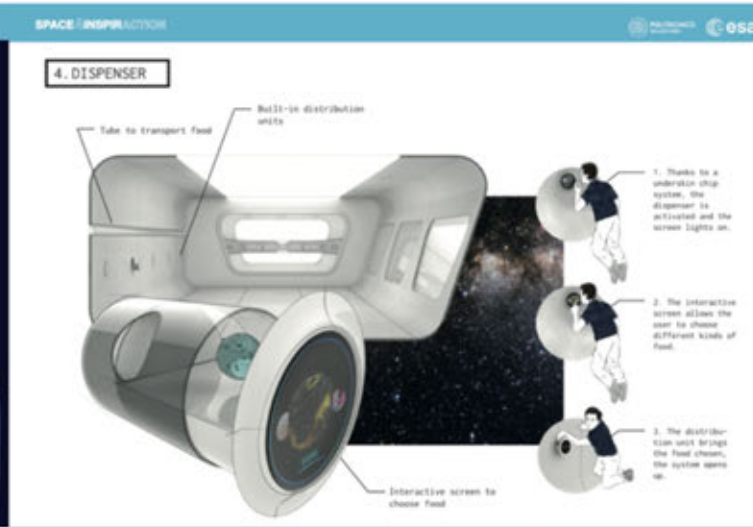
[home](#) [corso](#) [docenti](#) [calendario](#) [ospiti](#) [info/contatti](#)

VERY SMALL USEFUL OBJECTS (VSUO) connette il secondo e il terzo modulo del Laboratorio di Concept Design con l'obiettivo di far condurre agli studenti due esperienze progettuali differenti collegate da una matrice comune: l'esplorazione tra la cultura del design e le culture maker ed hacker. Il modulo #1 "CONCEPTUALIZE, MATERIALIZE, LEARN, ITERATE" affronta il tema della relazione tra design e micro-autoproduzione (Making), mentre il modulo #2 "HACK, MATERIALIZE, LEARN, ITERATE" invece lavora sulla relazione tra design e la cultura di modificazione/personalizzazione degli oggetti (Hacking).

INTEGRATED PRODUCT DESIGN [IPD]

LAB. CONCEPT DESIGN

CONCEPT DESIGN STUDIO



INTEGRATED PRODUCT DESIGN [IPD]

SECOND year

Course	CFU	PR1	PR2
1° SEMESTER			
LABORATORIO DI SINTESI FINALE / FINAL DESIGN STUDIO	18	ita	eng
WORKSHOP	6	ita	eng
ENTERPREUNERSHIP / LIFE DESIGN	6	Ita/eng	
2° SEMESTER			
ELECTIVES	6	Ita/eng	
INTERNSHIP	14		
P.E.T. PREPARAZIONE ELABORATO DI TESI	10		

INTEGRATED PRODUCT DESIGN [IPD]

SECOND year

LABORATORIO DI SINTESI FINALE
FINAL DESIGN STUDIO

INTEGRATED PRODUCT DESIGN [IPD]

LABORATORIO DI SINTESI FINALE

FINAL DESIGN STUDIO

News



This is what happened: E-novia & Habits workshop 2017/2018 – video recap

By Smart Design | News | No Comments

Second workshop of the Smart/Design Lab. at Politecnico di Milano. Master's degree students were given the brief to think about a "Smart Product-Service-System idea", so to develop a competitive product...

8 February 2018



This is what happened: BRAUN Workshop 2017/2018 – video recap

By Smart Design | News | No Comments

Great second edition of the Design workshop in collaboration with Braun (it.braun.com). This year the workshop was called "Future design that matters" and the challenge was to design smart solutions...

29 January 2018



Smart is Smart/Design Lab's final projects!

By Smart Design | News | No Comments

This monday the students presented their final results of the challenging Smart/Design Lab. Great results and plenty of smart solutions that merge designed shapes and innovative technologies to create innovative products.

INTEGRATED PRODUCT DESIGN [IPD]

LABORATORIO DI SINTESI FINALE

FINAL DESIGN STUDIO

/ Professors



Venanzio Arquilla
Associate professor
Politecnico di Milano,
Department of Design

Design innovation tools
and methodologies, design
policies, design services,
making and fabbing.



Valentina Rognoli
Assistant professor
Politecnico di Milano,
Department of Design

Materials for design,
materials and interaction,
Materials experience,
Materials Driven Design
method, tinkering with
materials, DIY materials.



Emanuele Magini
Freelance product
& interior designer

Product and interior design.



Innocenzo Rifino
Co-founder of
Habits Studio

Design strategy, IoT,
industrial & interaction
design.

/ Teaching Assistants



Ilaria Vitali
Designer & researcher,
Ph.D. Candidate at
Politecnico di Milano

Research and user
studies, design and new
technologies, IoT and
product service systems.



Camilo Ayala Garcia
Ph.D. Candidate
Politecnico di Milano,
Department of Design

Emerging and innovative
materials, Material
experience, CMF design.



Istvan Bojte
Interaction/UX designer
Habits Studio

IoT/Connected devices,
digital products and
interfaces.



Alessandro Crespi
HW/SW developer
Habits Studio

R&D, new technologies,
digital embedment,
computer network
protocols.

BRAUN



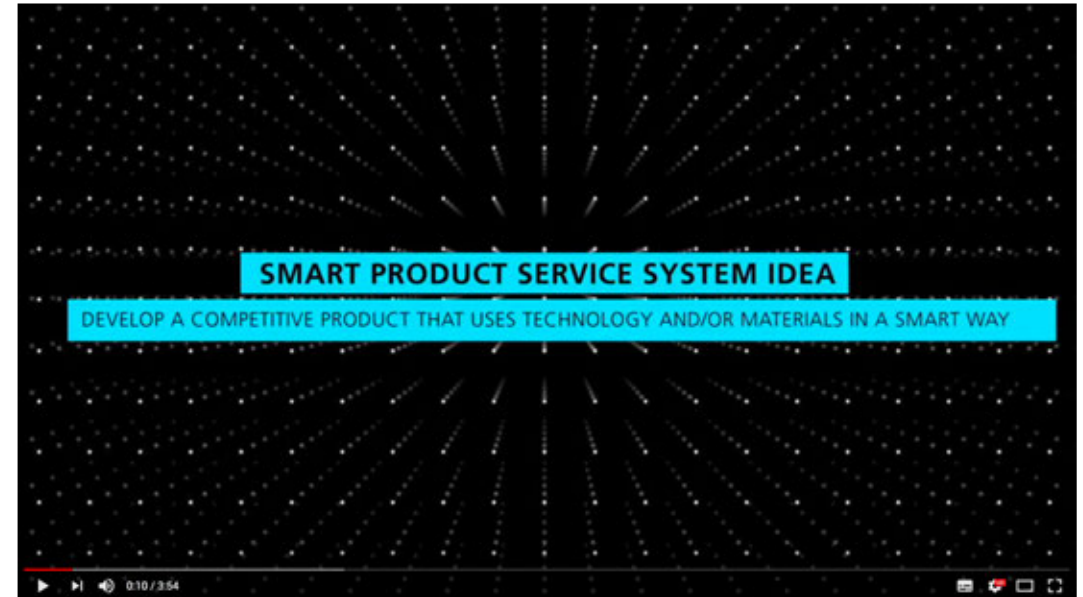
e-novia



INTEGRATED PRODUCT DESIGN [IPD]

LABORATORIO DI SINTESI FINALE

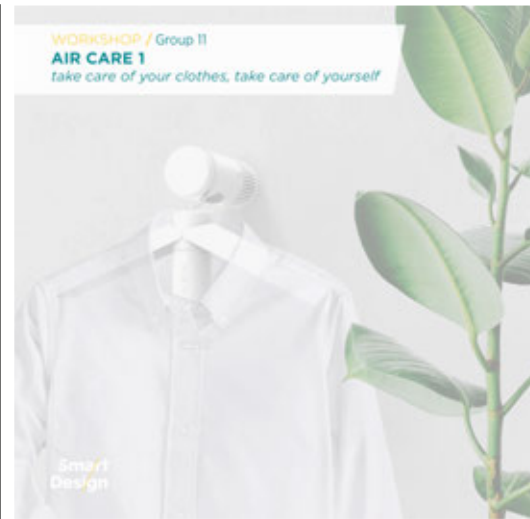
FINAL DESIGN STUDIO



INTEGRATED PRODUCT DESIGN [IPD]

LABORATORIO DI SINTESI FINALE

FINAL DESIGN STUDIO



BRAUN

INTEGRATED PRODUCT DESIGN [IPD]
LABORATORIO DI SINTESI FINALE
FINAL DESIGN STUDIO



e-novia



Proff. Giulio Ceppi (coordinatore), Samuel Codegoni, Stefano Marzano, Francesco Samorè, Emmanuele Villani
con Ettore Giordano e Stefano Ivan Scarascia

SELF DRIVING SOCIETY@2025

Nuove relazioni inattese tra domesticità e mobilità personale: prodotti e componenti di sistema per la città a venire.



The **Responsibility Matrix for the Self-Driving Society**, a tool that combines design requirements with responsibility topics and aims at helping designers, policymakers and other relevant stakeholders in shaping the future of a society immersed in autonomous transportation systems.

INTEGRATED PRODUCT DESIGN [IPD]

LABORATORIO DI SINTESI FINALE

FINAL DESIGN STUDIO

Responsibility driven design for the future self-driving society

Autonomous systems and the complex challenges
to designing a responsible, driverless future

Fabio Besti
Francesco Samorè



INTEGRATED PRODUCT DESIGN [IPD]

SECOND year

ENTERPREUNERSHIP LIFE DESIGN

INTEGRATED PRODUCT DESIGN [IPD] ENTREPRENEURSHIP LIFE DESIGN

1- Cos'è oggi il life design?

Il design?

- Un disegno (dessin)
- Un progetto (dessein)

atto di *creazione*
rivolto verso il futuro

Bello & Utile « Opera d'arte funzionale »



Un oggetto con un bel design è quindi allo stesso tempo **'utile e stiloso'**
(segue cioè lo stile del momento)

- **'Stile'** = legame estetico con le norme del contesto (il disegno/dessin del design)
- **'Utilità'** = legame di efficacia, il potere d'azione (il progetto/dessein del design)

Strategic Design POP UP MYSELF

Progetto Network Servizi Sito

M.Design Consultancy

Origami Track

1) Mission:
- Definire la missione e il progetto
- Definire la visione e il progetto
- Definire i valori e il progetto

2) Vision:
- Definire la visione e il progetto
- Definire i valori e il progetto

3) Values:
- Definire i valori e il progetto
- Definire la missione e il progetto

Marina Caramagna

Strategic Design POP UP MYSELF

1) Mission:
- Definire la missione e il progetto
- Definire la visione e il progetto
- Definire i valori e il progetto

2) Vision:
- Definire la visione e il progetto
- Definire i valori e il progetto

3) Values:
- Definire i valori e il progetto
- Definire la missione e il progetto

Sarima Polizzi

IN COLLABORAZIONE CON LA SCUOLA DI PSICOLOGIA SOCIALE _ BICOCCA

INTEGRATED PRODUCT DESIGN [IPD]

SECOND year

WORKSHOP

INTEGRATED PRODUCT DESIGN [IPD] WORKSHOP

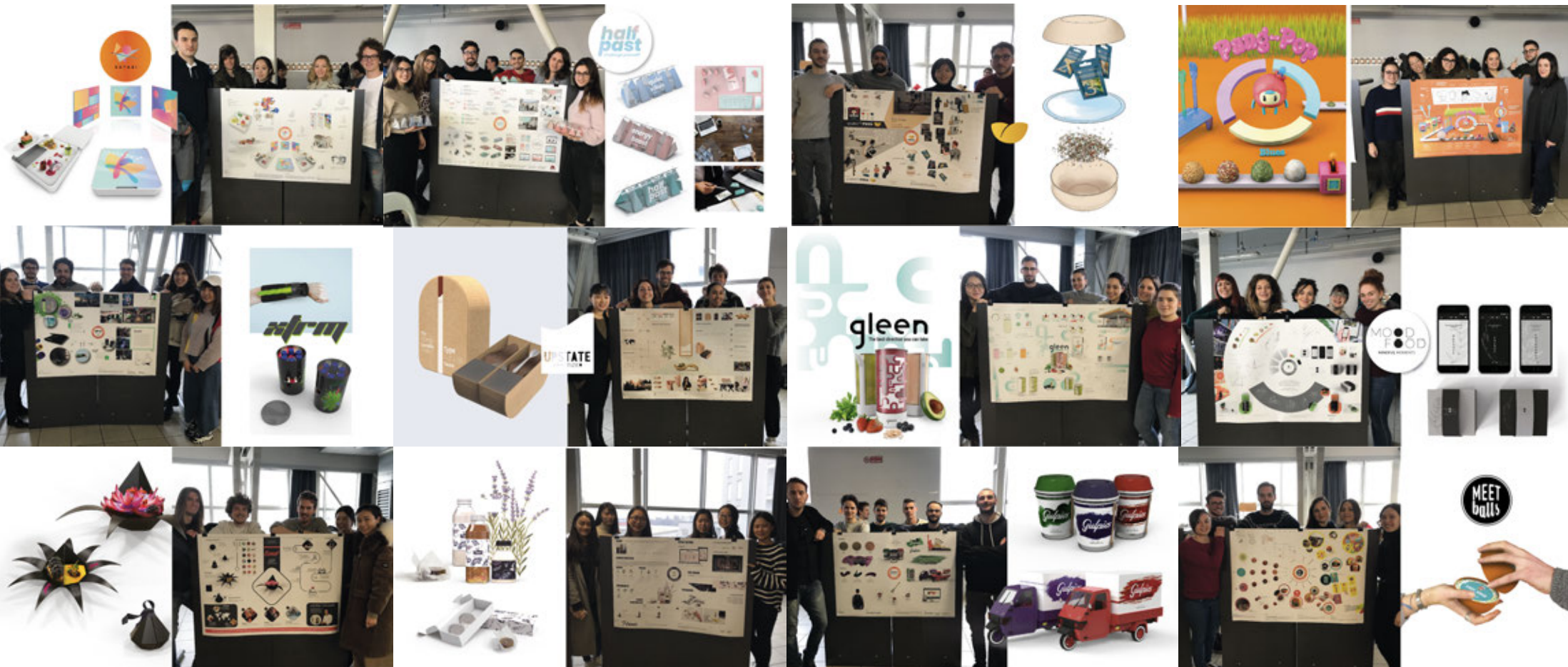


INTEGRATED PRODUCT DESIGN [IPD] WORKSHOP

SEZ. PR1 + COMUNICAZIONE
PROF. MAURO PORCINI _ RICHARD BATES _ PAULETTE BLUHM-SAURIOL
TUTOR VALENTINA LOLLIO



INTEGRATED PRODUCT DESIGN [IPD] WORKSHOP



INTEGRATED PRODUCT DESIGN [IPD] WORKSHOP



SEZ. PR2
PROF. RON GILAD CON PROF. EITAN SHARIF
TUTOR CAMILLA CESCHI SANTA CROCE

WORKSHOP PROMOSSO DA:



IN COLLABORAZIONE CON:

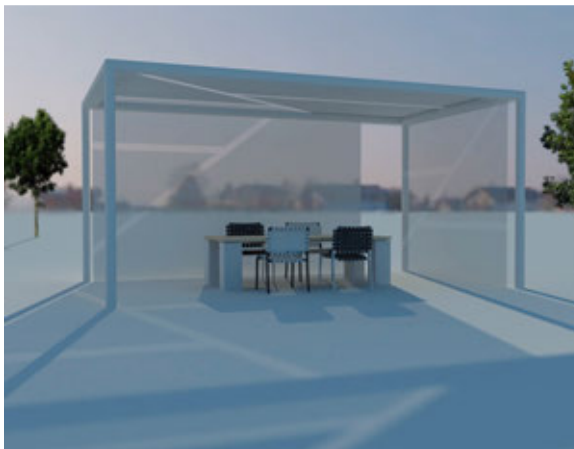


INTEGRATED PRODUCT DESIGN [IPD] WORKSHOP

WORKSHOP PROMOSSO DA:



IN COLLABORAZIONE CON:



PANZERI[®] io.Ring
WE MAKE LIGHT SILVER RING + IoT

Lampada per sale e spazi d'attesa in grado di trasmettere informazioni tramite la luce, grazie alla tecnologia Li-Fi.

L'ambiente illuminato diventa uno spazio connesso, ove è possibile accedere a contenuti esclusivi e personalizzati, ma anche prenotare e gestire le visite, impiegando così il tempo d'attesa in modo utile e piacevole.

Io.Ring si attiva con la presenza e rileva la luce presente nella stanza per bilanciare al meglio la temperatura di colore e l'intensità luminosa, creando un'atmosfera rilassante ed accogliente.

- Li-Fi**
Esperienza interattiva e connessa
- Calendario**
Prenotazioni e previsioni di attesa
- Elenco**
Contenuti Personalizzati
- Lock**
Light zone riservata con informazioni esclusive
- Sun**
Benessere luminoso
- Gamepad**
Intrattenimento per i più piccoli


R2P4 nasce dalla versatilità di Silver Ring di essere collocata nell'ambiente per generare composizioni imperniata sulla tecnologia Li-Fi e visuale. I dati mobili nei raggi luminosi e fanno accesso internet, presenta inoltre la tecnologia "Sound Shower" ad onde unidirezionali per affondare in aree in stile un soffondo di sonorità ambient e garantire relax nei momenti di attesa.

R2P4 (L21) non appoggia il modello Silver Ring di diametro 3m, viene da un sistema di riconoscimento che per il cliente di effettuare rapidamente il check. Effettua l'autenticazione tramite smart card. Il cloud controlla se le preferenze imposte dal cliente in fase di prenotazione sono soddisfatte.

R2P4
R2P1



INTEGRATED PRODUCT DESIGN [IPD] WORKSHOP



Dall'albero al design

sky | ACADEMY


POLITECNICO
MILANO 1863

Dall'albero al design

sky | ACADEMY


POLITECNICO
MILANO 1863

Trasformare l'albero di Natale
di Piazza del Duomo a Milano,
in arredo urbano destinato
al quartier generale di Sky
a Milano, Santa Giulia.

Davide Bruno Responsabile scientifico
Giacomo Moor Docente Workshop di Progetto
Emmanuele Villani Tutor Workshop di Progetto
Luca Panteghini Tutor Workshop di Progetto
Mariano Chernicoff Docente Workshop Costruttivo
Assistente Docente Eleonora Pasini

INTEGRATED PRODUCT DESIGN [IPD] WORKSHOP



INTEGRATED PRODUCT DESIGN [IPD]

SECOND year

P.E.T.

Preparazione Elaborato di Tesi

INTEGRATED PRODUCT DESIGN [IPD]

P.E.T.



PL(A)Y BOATS



POLI.FRUTTA



ELECTRIC SCOOTER



PANDAZ



GEMMAE CAPTIVAE



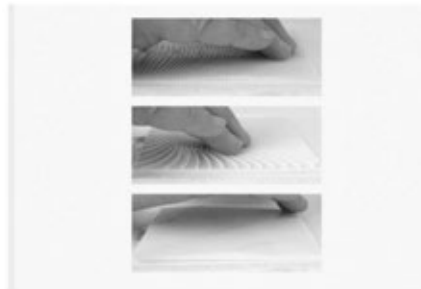
BIOCARE



NOMAD



VITO



ACTIVE TOUCH

INTEGRATED PRODUCT DESIGN [IPD]

P.E.T.



FOODNOSE



TOLDER



AVIOR



UNMANNED STORE



PARTNER



EAT SMART



AGE



WOODI



APHROS

INTEGRATED PRODUCT DESIGN [IPD]

P.E.T.



MOMENTO



SPAZIO C-ORTO



OH, HELLO!



NUTR3D



PLUS



CHÉIRON



NEWTRA



RIGO



MOCI

INTEGRATED PRODUCT DESIGN [IPD]

SECOND year

OTHER OPPORTUNITIES

INTEGRATED PRODUCT DESIGN [IPD]
ERASMUS INTERNO

IEDIE

INTEGRATED PRODUCT DESIGN [IPD] ERASMUS INTERNO

IEDIE

Internal Erasmus in
Design and
Information Engineering



School of Design and
School of Industrial and Information Engineering

EN:  WHAT IS IEDIE INFORMATION ENGINEERING COURSES DESIGN COURSES HOW TO APPLY CONTACTS



IEDIE is offered to Master students in:

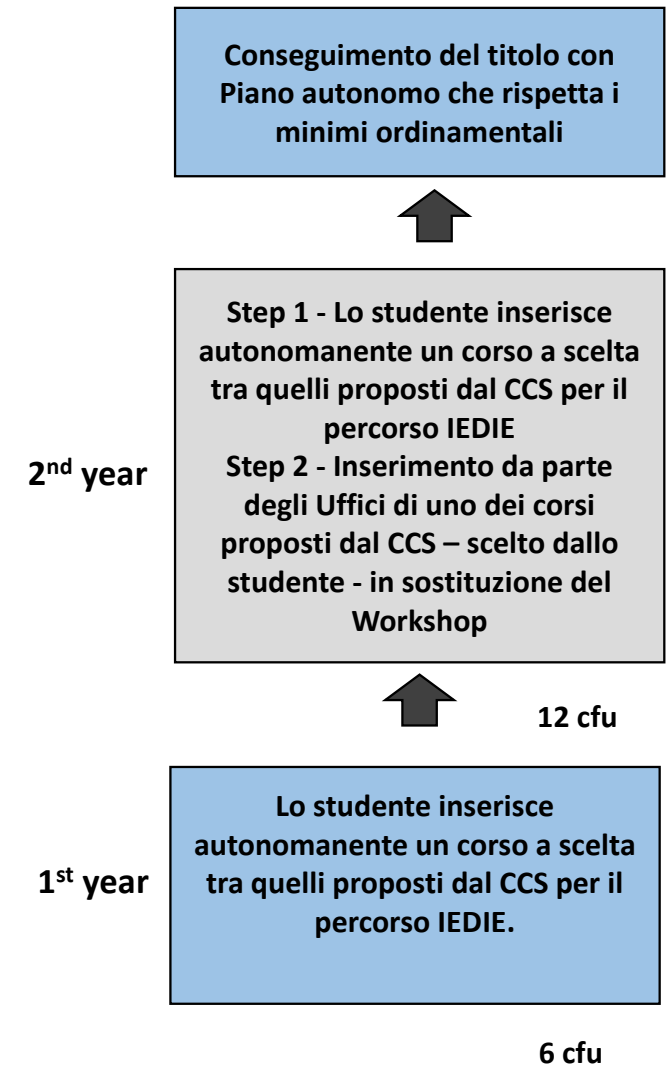
Information Engineering, **Communication Design**, and **Integrated Product Design**,

If successfully undertaken, is officially acknowledged by PoliMi in the students' curriculum.

INTEGRATED PRODUCT DESIGN [IPD]

ERASMUS INTERNO

COURSE NAME	SEMESTER	#CFUS FOR THE MASTER PROGRAM IN COMMUNICATION DESIGN OR PRODUCT DESIGN FOR INNOVATION
Video Game Design and Programming	1	6
Advanced User Interfaces	1	6
Data Management for the Web	1	6
Design and Implementation of Mobile Applications	1	6
Interdisciplinary Course of Robotics	2	6
Computer Graphics	2	6
Hypermedia Applications (Web and Multimedia)	2	6
Multidisciplinary Project	2	6



INTEGRATED PRODUCT DESIGN [IPD]
DOUBLE DEGREE

DOUBLE DEGREE

INTEGRATED PRODUCT DESIGN [IPD] DOUBLE DEGREE

WHAT IS A DOUBLE DEGREE?

THE DOUBLE DEGREE PROGRAM ALLOW YOU TO
SPEND TIME STUDYING ABROAD AND ATTEND
COURSES THAT COUNT TO OBTAIN
THE ITALIAN DEGREE AND A FOREIGN DEGREE
OF THE SAME LEVEL



INTEGRATED PRODUCT DESIGN [IPD] DOUBLE DEGREE

UNIVERSIDAD DU SÃO PAULO - SÃO PAULO, BRASILE

WHO

EACH YEAR
2
SELECTED STUDENTS
INTEGRATED PRODUCT
and/or
COMMUNICATION DESIGN

MOBILITY SCHEME

1st YEAR MSc 1st SEM. **POLI**

1st YEAR MSc 2nd SEM. **SÃO PAOLO**

2nd YEAR MSc 1st SEM. **SÃO PAOLO**

2nd YEAR MSc 2nd SEM. **SÃO PAOLO**

3rd YEAR MSc 1st SEM. **SÃO PAOLO**

3rd YEAR MSc 1st SEM. **POLI**

+ thesis **POLI**

COURSES,
STAGE,
THESIS

WHEN

APPLICATION

3RD

**YEAR OF
BACHELOR
DEGREE**

<http://www.design.polimi.it/en/international-area/doppie-lauree/>

INTEGRATED PRODUCT DESIGN [IPD] DOUBLE DEGREE

TONGJI UNIVERSITY - SHANGHAI, CHINA

WHO

EACH YEAR
4
SELECTED STUDENTS
**INTEGRATED PRODUCT
DESIGN**

MOBILITY SCHEME

1st YEAR MSc 1st SEM. **POLI**
1st YEAR MSc 2nd SEM. **POLI**
2nd YEAR MSc 1st SEM. **POLI**
2nd YEAR MSc 2nd SEM. **TONGJI**
3rd YEAR MSc 1st SEM. **TONGJI**
+thesis **POLI**

COURSES,
STAGE,
THESIS

WHEN

APPLICATION
1ST
**YEAR OF
MASTER
DEGREE**

<http://www.design.polimi.it/en/international-area/doppie-lauree/>

INTEGRATED PRODUCT DESIGN [IPD] DOUBLE DEGREE

TSINGHUA UNIVERSITY - SHANGHAI, CHINA

WHO

EACH YEAR
2 or 3
SELECTED STUDENTS
INTEGRATED PRODUCT DESIGN

MOBILITY SCHEME

1st YEAR MSc 1st SEM. **POLI**
1st YEAR MSc 2nd SEM. **POLI**
2nd YEAR MSc 1st SEM. **POLI**
2nd YEAR MSc 2nd SEM. **TSINGHUA**
3rd YEAR MSc 1st SEM. **TSINGHUA**
+thesis **POLI**

COURSES,
STAGE,
THESIS

WHEN

APPLICATION
1ST
YEAR OF MASTER DEGREE

<http://www.design.polimi.it/en/international-area/doppie-lauree/>

INTEGRATED PRODUCT DESIGN [IPD]

THANK YOU
GRAZIE

francesco.zurlo@polimi.it