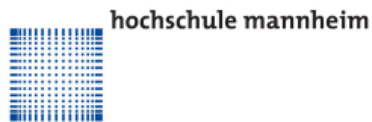




# SUGAR-NETWORK

and Stanford's ME310



INSTITUTO  
POLITÉCNICO DO PORTO

東京工業大学  
Tokyo Institute of Technology

KYOTO  
Design Lab



UNIVERSITÀ DEGLI STUDI  
DI MODENA E REGGIO EMILIA



paris•est  
dSchool  
at école des ponts



HSN Høgskolen  
i Sørøst-Norge



MEMBERS

SUGAR

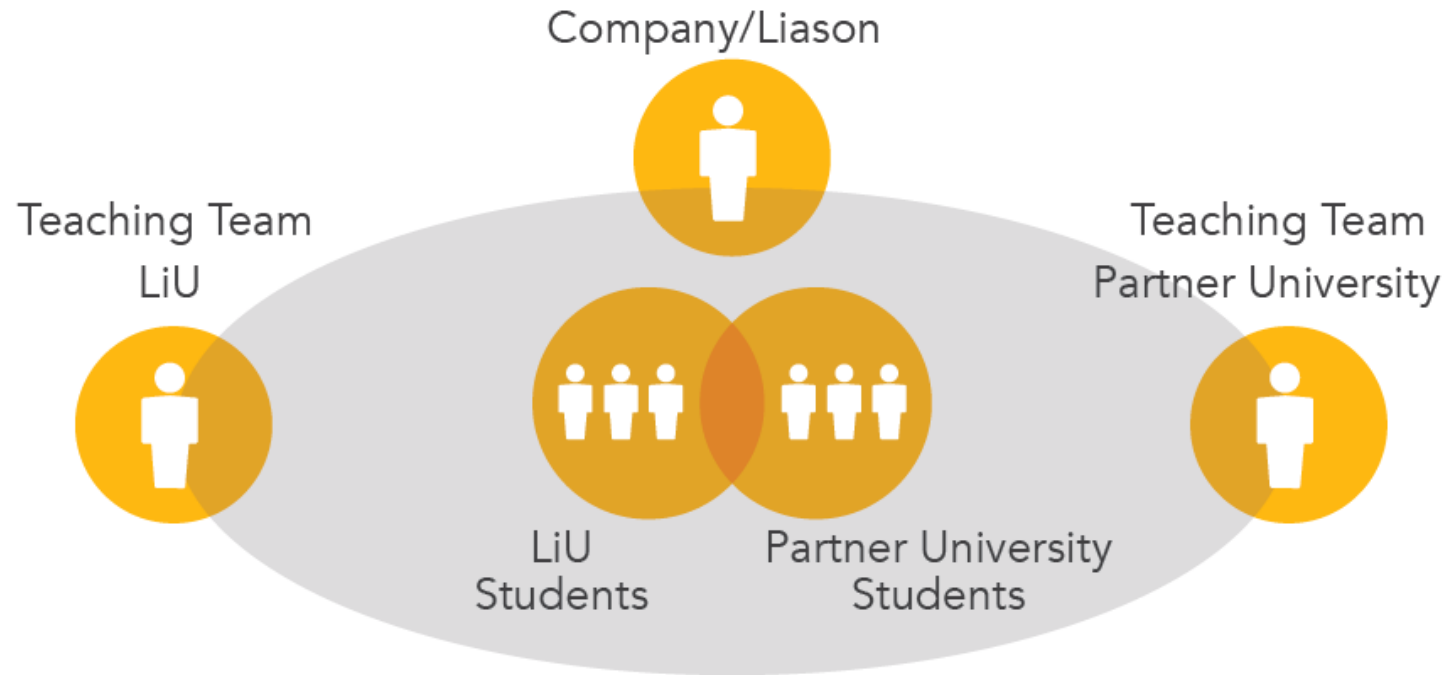




# REAL PROBLEMS

from corporate partners

# HOW WE WORK

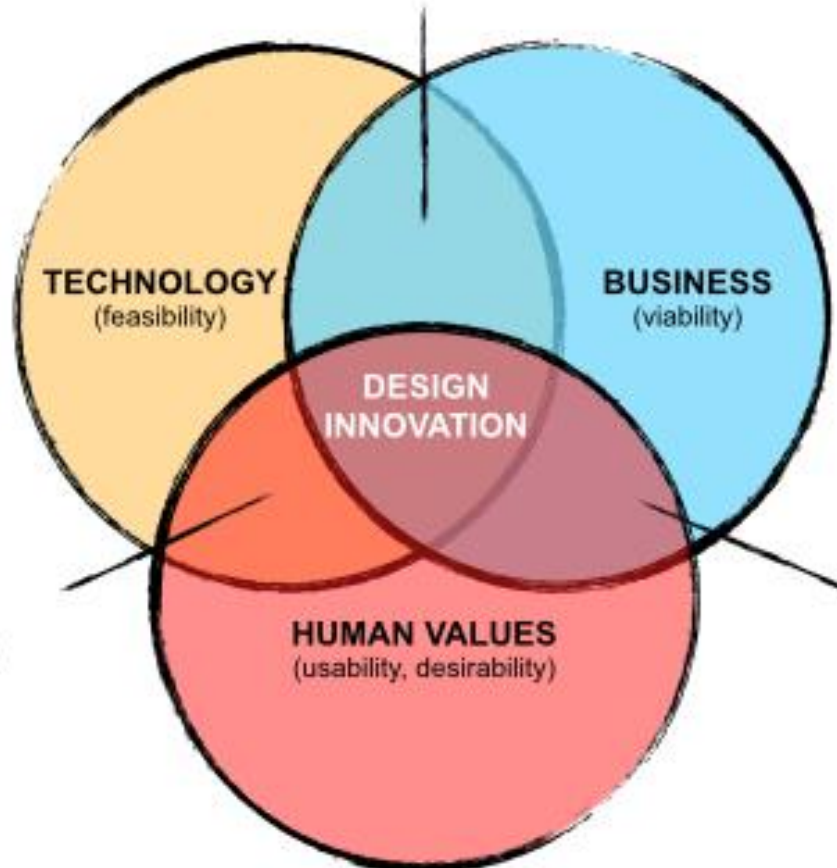


Students come from different cultures, backgrounds and disciplines.  
The diversity assures that teams take multiple perspectives on any given challenge, increasing the probability of breakthrough discoveries and innovation.

**TECHNOLOGY**  
Engineering Analysis  
Statics & Dynamics  
Electronics & Mechatronics  
Programming Methodology  
Bioengineering  
Materials  
Thermodynamics  
Chemical Engineering

**MANUFACTURING**  
Manufacturing Technology  
Manufacturing Process  
Supply Chain Management  
Rapid Prototyping

**BUSINESS**  
Accounting  
Finance  
Economic Analysis & Policy  
Marketing  
Operations  
Information Technology  
Entrepreneurship  
Competition & Strategy



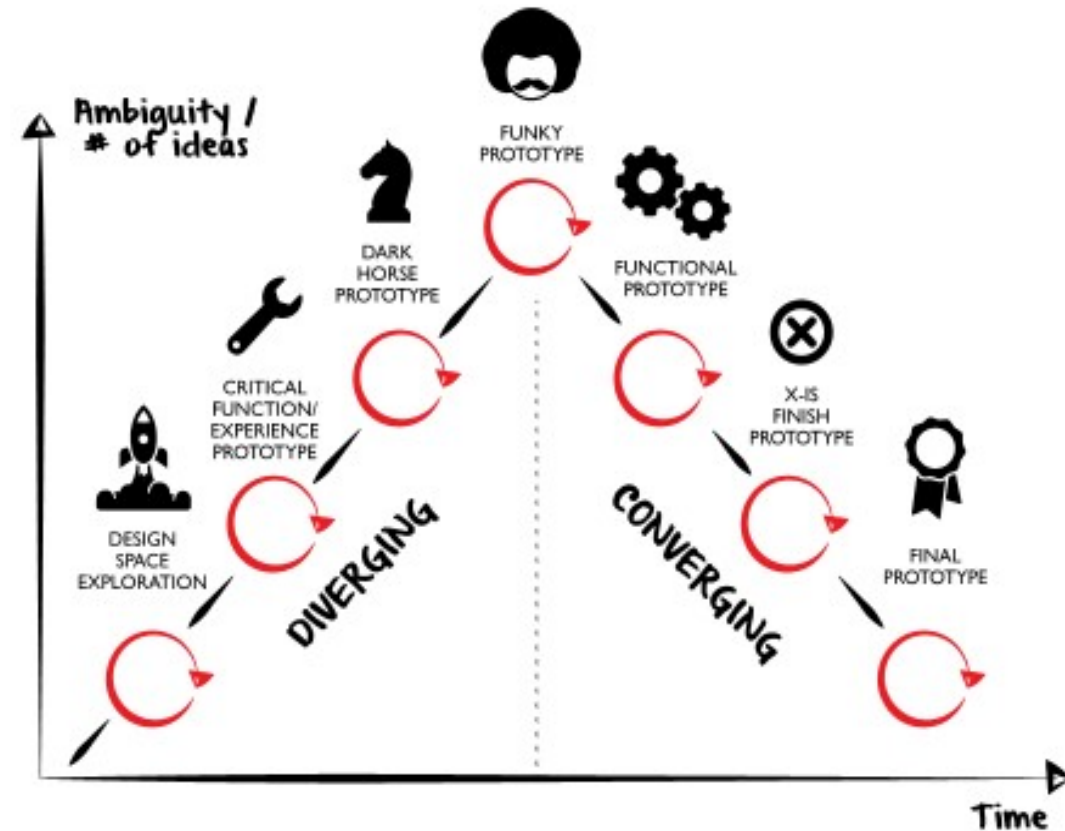
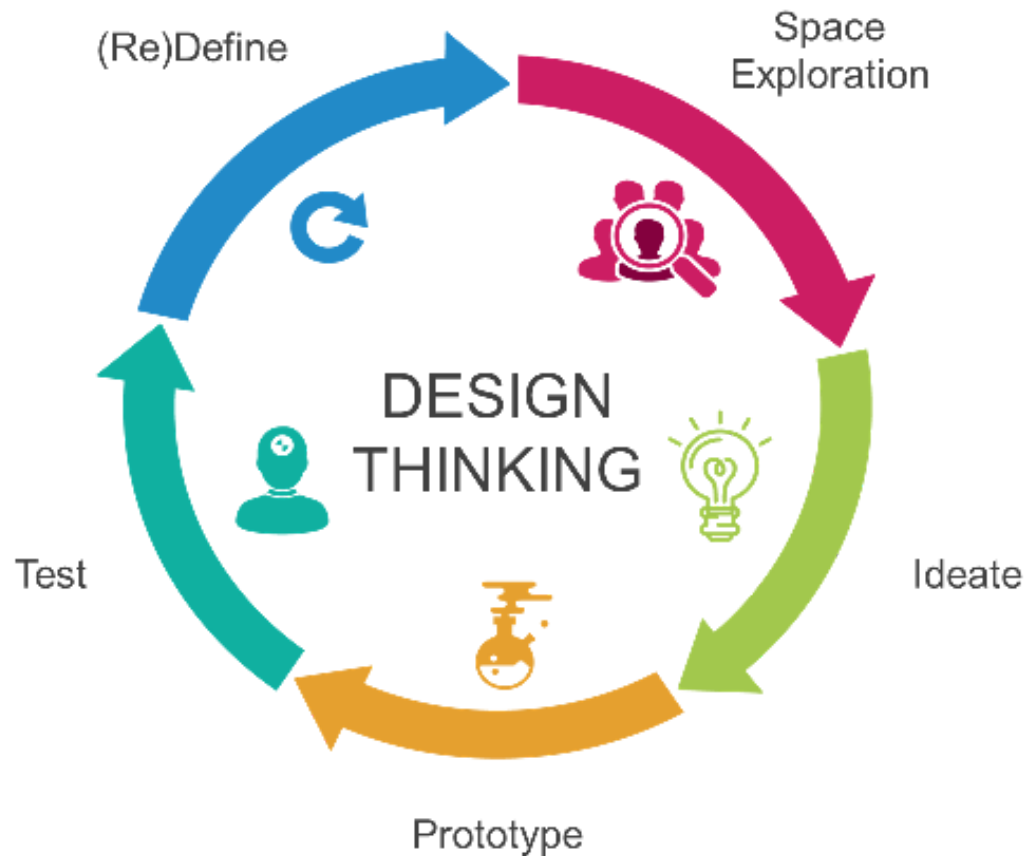
**DESIGN & INTERACTIVITY**  
Human Computer Interaction  
Visual Thinking  
Design for Sustainability  
Aesthetics & Form

**ORGANIZATIONAL BEHAVIORS**  
Management & Teams  
Human Resources  
Organizational Dynamics  
Negotiation

**HUMAN VALUES**  
Psychology  
Anthropology  
Sociology  
Ethnography  
Need-Finding

# MULTIDISCIPLIN ARY

# A COMMON PLATFORM: DESIGN THINKING



# 722A62/63 Design thinking And Multidisciplinary Development projects [DAMD]

End of October: Course start

Mid-November: Global Kickoff

December: Fall Presentations

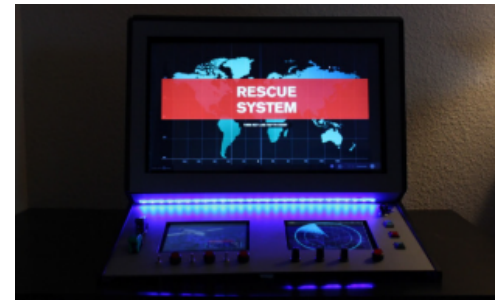
March visit: Global Student Visits

End of March: Winter Presentations

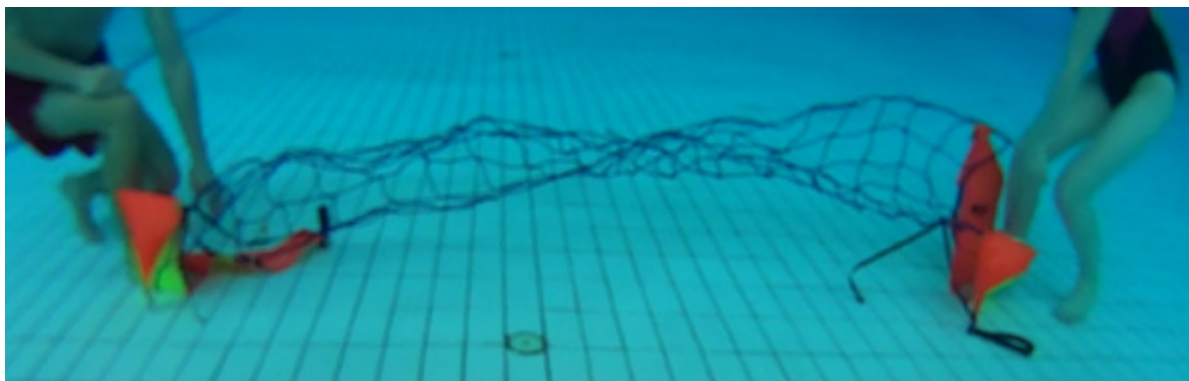
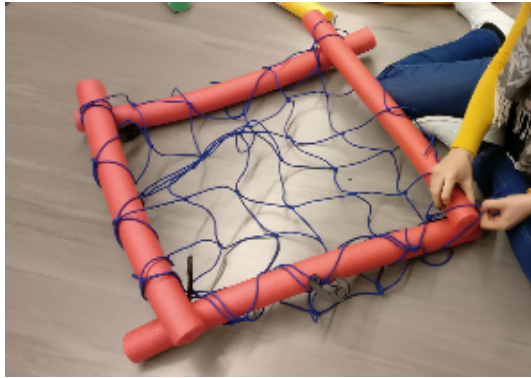
Beginning of June: Global Expo/Expe



# SUGAR PROJECT 2016-2017



# USER TESTING



# FINAL PROTOTYPE BUILDING



# [DAMD] PROJECTS 2017-2018

## ME310

**Challenge:** Re-design the experience of being a victim in need of rescue in difficult-to-reach terrain. Extend survival time of victims, and, if possible, reduce time to rescue.



## SUGAR

**Challenge:** Create a unique and innovative BASF experience for external visitors (e.g. automotive customers) moving within large BASF factory premises.



# [DAMD] PROJECTS 2018-2019

## ME310

Challenge: Design and build a “system” to enable communication for a minimum of 7 days following an outage of power and cellular infrastructure.



## SUGAR

Challenge: Digitalization, color and design.



Challenge: Mobility info of the future.



# FOLLOW/CONTACT/JOIN US

<https://www.facebook.com/damdliu/>

<https://twitter.com/damdliu>

[marie.bengtsson@liu.se](mailto:marie.bengtsson@liu.se)

# SEE FOR YOURSELF:



<https://youtu.be/nwprulYMBsY>

# HOW TO APPLY

## 1. Application letter (1-3 pages)

What do you know how to do?

The projects will need a diverse set of skills and experience (if we work together with Modena for example their specialty is food innovation, so cooking skills might be useful) so everything from knowing the basics of welding to how to get a team of 7-year-old girls to play soccer together may be of relevance. Previous years we have had team members who know how to get 600 new military recruits going, members who grew up on their grandma's farm and know how to make a lot from almost nothing, as well as members who cannot stop building stuff at home. Who are you and what do you know how to do?

## 2. CV

And how/where did you learn it?

## 3. Study transcript and study plan

What courses have you done so far? How will the DAMD courses (15+15) fit into your study program? Here you will need to consult your program director or study counselor.

**Send your application package to:**

**Marie Bengtsson:** [marie.bengtsson@liu.se](mailto:marie.bengtsson@liu.se)

**Renee Wever:** [renee.wever@liu.se](mailto:renee.wever@liu.se)

**and Juan Ruiz:** [juan.ruiz@liu.se](mailto:juan.ruiz@liu.se)

**Application deadline: Send you application before July 1 at 23:59**