

Marc Teyssier

Ph.D Student at Télécom ParisTech
marc.teyssier@telecom-paritech.fr

Curriculum Vitae

Research

In my research, I question the relationship between technology and humans through human-like devices. These devices are augmented with human qualities help us investigate future interfaces where cold and static technologies are replaced with dynamic and malleable interfaces.

During my PhD I explore this concept by developing interfaces for mediated communication through touch in human-computer interaction. This requires to understand affective touch communication to design and develop meaningful new input and output interactions.

Education

- 2016 - Now **PhD at Télécom ParisTech** (Degree in Computer Science)
Thesis: "Understanding and Designing Skin Contact for Emotional Mediated Communication in HCI"
Advisors: Eric Lecolinet, Gilles Bailly, Catherine Pelachaud
- 2014 - 2015 MSc in Engineering and Innovation – Arts et Métiers ParisTech (Laval, France)
- 2013 - 2015 MSc in Design and Virtual Reality at L'école de Design de Nantes (France)
- 2011 - 2013 BsC in Interaction Design at L'École de Design de Nantes (France)
User Experience, Interactive Installations, Graphic Design, 3D Modeling...

Publications

- [8] MobiLimb: Augmenting Mobile Devices with a Robotic Limb.
M. Teyssier, G. Bailly, C. Pelachaud, E. Lecolinet.
In UIST'18: Proceedings of the ACM Symposium on User Interface Software and Technology, ACM (2018). 53-63.
- [7] VersaPen: An Adaptable, Modular and Multimodal I/O Pen.
M. Teyssier, G. Bailly, E. Lecolinet.
In CHI'17 Extended Abstracts: ACM SIGCHI Conference on Human Factors in Computing Systems, ACM (2017). 2155-2163.
- [6] VersaPen: Exploring Multimodal Interactions with a Programmable Modular Pen.
M. Teyssier, G. Bailly, E. Lecolinet.
In CHI'17 Extended Abstracts (demonstration): ACM SIGCHI Conference on Human Factors in Computing Systems, ACM (2017). 377-380.
- [5] Revue et Perspectives du Toucher Social en IHM.
M. Teyssier, G. Bailly, E. Lecolinet, C. Pelachaud.
In IHM'17: Conférence francophone sur l'Interaction Homme Machine, ACM (2017).
- [4] Investigating the Design Space of Smartwatches Combining Physical Rotary Inputs.
E. Brulé, G. Bailly, M. Serrano, **M. Teyssier**, Th. Jacob, S. Huron.
In HM'17: Conférence francophone sur l'Interaction Homme Machine, ACM (2017).

- [3] Desktop Orbital Camera Motions Using Rotational Head Movements.
Th. Jacob, G. Bailly, E. Lecolinet, G. Casiez, **M. Teyssier**.
In SUI'16: ACM Symposium on Spatial User Interaction, ACM (2016). 139-148.
- [2] *Reality editor*
V. Heun, E. Stern-Rodriguez, **M. Teyssier**, P. Maes
Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors ...
in Computing Systems, 4p
- [1] ArLive: unified approach of interaction between users, operable space and smart objects
M. Teyssier, G. Cliquet, S. Richir
Proceedings of the 2016 Virtual Reality International Conference, 21

Exhibitions and Medias

MobiLimb, Oct'18

BBC. Feely finger phone crawls across desk

New Scientist. Smartphone with a finger crawls across the table to stroke your wrist

Reuters. A wagging finger sticking out of your mobile phone is creepy. Why?

The Verge. This robotic finger attachment for your smartphone will gently caress your hand

Digital Trend. Give your phone the finger with this creepy, versatile robotic attachment

Other press for MobiLimb include. The Independent, PC Mag, Daily Mail, Arduino, Fast Company, 01Net, TechSpot, ZDNet ...

Other Projects

ArLive, at Design Expo Nov'15 –Jan'16, Nantes

Stuart, at IVRC'14, Tokyo

Stuart, at Laval Virtual '14, France **[Best Demo]**

Motion Drawing, at Laval Virtual'12, France

Okyp. Prosthetic Knowledge

Teaching

Lectures 2016-2018	Prototyping in Design. Fundamental of design tools and softwares for prototyping (Including Photoshop, Illustrator, Arduino, 3D modeling, Video, ...)
	Introduction to Arduino. Introduction course to hardware engineering through Arduino
	Academic Research in Design. Introduction to research for MSc students
TAing 2016-2018	Data visualization. Theory and programming (D3.js and processing)
	Human-Computer Interaction theory and programming (Java)

Volunteering

Organization Committee	ACM UIST 2018 – Web & Design Chair
Student Volunteer	UEIS '17 - Helping for the organization of the event, design of the visual guidelines HCI and AI day - Helping for the organization of the event

Professional experience

Apr 2016 – Jan 2017	Télécom ParisTech - Research Engineer
Apr 2015 – Oct 2015	MIT Media Lab – Visiting Research Assistant
July 2013 – Dec 2015	Freelance – Web Designer Interface design and web development fullstack
July 2014 – Sep 2014	Alkemi – Interaction Designer Intern Ui/Ux design for games, JS developer (<i>Sony, ...</i>)
Sep 2013 – Feb 2014	Allofus – Creative Technologist Intern User experience research and development (<i>Samsung, Nestle, ...</i>)

References

1. Eric Lecolinet

Maître de Conference, Télécom Paristech

eric.lecolinet@telecom-paristech.fr

2. Gilles Bailly

CNRS Researcher, Sorbonne Université

gilles.bailly@sorbonne-universite.fr

3. Grégoire Cliquet

Director of READi designlab /

L'Ecole de design Nantes Atlantique

g.cliquet@lecolededesign.com

4. Pattie Maes

Professor, MIT Media Lab

pattie@media.mit.edu