

# Carlos E. Tejada

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## Education

### University of Copenhagen

Copenhagen, Denmark

PH.D. IN COMPUTER SCIENCE

2018 – 2021

- Thesis title: Print-and-Play Fabrication
- Supervisor: Dr. Daniel Ashbrook

### Rochester Institute of Technology

Rochester, New York, USA

PH.D. IN COMPUTER SCIENCE

2017 – 2018

### Rochester Institute of Technology

Rochester, New York, USA

M.Sc. IN INFORMATION SCIENCE

2014 – 2016

- Capstone title: Knock-on-Wood
- Supervisor: Dr. Daniel Ashbrook

### Pontificia Universidad Católica Madre y Maestra

Santiago, Dominican Republic

B.Sc. IN SYSTEMS ENGINEERING

2008 – 2012

- Thesis title: Solve-for-X

## Employment

### University of Copenhagen

Copenhagen, Denmark

PH.D. FELLOW

2018 – Present

### Rochester Institute of Technology

Rochester, New York, USA

PH.D. FELLOW

2017 – 2018

### Rochester Institute of Technology

Rochester, New York, USA

GRADUATE RESEARCH ASSISTANT

2014 – 2016

### Tous Software Corp.

Miramar, Florida, USA

SENIOR SOFTWARE DEVELOPER

2011 – 2014

### Synergies Strategic Services

Santiago, Dominican Republic

JUNIOR SOFTWARE DEVELOPER

2011 – 2012

## Research and Creative Scholarship

### PEER-REVIEWED CONFERENCE PRESENTATIONS

- C5. Hyunyoung Kim, Aluna Everitt, **Carlos E. Tejada**, Mengyu Zhong, and Daniel Ashbrook. MorpheesPlug: A Toolkit for Prototyping Shape-Changing Interfaces. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI)*, Yokohama, Japan, 2021..
- C4. **Carlos E. Tejada**, Raf Ramakers, Sebastian Boring, and Daniel Ashbrook. AirTouch: 3D-printed Touch-Sensitive Objects Using Pneumatic Sensing. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI)*, Honolulu, Hawaii, USA, 2020, 8 pages. (24.3% acceptance rate).
- C3. **Carlos E. Tejada**, Jess McIntosh, Klæs Alexander Bergen, Sebastian Boring, Daniel Ashbrook, Asier Marzo. EchoTube: Robust Touch Sensing along Flexible Tubes using Waveguided Ultrasound. In *Proceedings of ACM International Conference on Interactive Surfaces and Spaces (ISS)*, Daejeon, Korea, 2019, 9 pages (30.6% acceptance rate). **Honorable Mention Award.**

- C2. **Carlos E. Tejada**, Osamu Fujimoto, Zhiyuan Li. Daniel Ashbrook. Blowhole: Blowing-Activated Tags for Interactive 3D-Printed Models. In *Proceedings of the 44th Graphics Interface Conference (GI'18)*, Toronto, ON, 2018, 6 pages (43% acceptance rate).
- C1. Daniel Ashbrook, **Carlos E. Tejada**, Dhwanit Mehta, Anthony Jiminez, Goudam Muralitharam, Sangeeta Gajendra, Ross Tallents.. Bitey: An Exploration of Tooth Click Gestures for Hands-Free User Interface Control. In *ACM 18th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)*, Florence, Italy, 2016, 12 pages (23.9% acceptance rate).

## PEER-REVIEWED DOCTORAL CONSORTIUM

- DC1. **Carlos E. Tejada**. Print-and-Play: 3D-printed Interactive Objects Without Assembly or Calibration. In *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (CHI EA '20)*, Honolulu, Hawaii, USA, 2020, 6 pages.

## PEER-REVIEWED CONFERENCE SPECIAL INTEREST GROUPS PROPOSALS

- SIG1. Adriana Alvarado Garcia, Karla Badillo-Urquiola, Mayra D. Barrera Machuca, Franceli L. Cibrian, Marianela Cioffi Felice, Laura S. Gaytán-Lugo, Diego Gómez-Zará, Carla F. Griggio, Monica Perusquia-Hernandez, Soraia Silva-Prietch, **Carlos E. Tejada**, and Marisol Wong-Villacres. Fostering HCI Research in, by, and for Latin America. In *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (CHI EA '20)*, Honolulu, Hawaii, USA, 2020, 4 pages.

## Academic Service

### CONFERENCE COMMITTEE ACTIVITIES

- 2021 Program Committee, Late-Breaking Work.  
ACM Conference on Human Factors in Computing Systems (CHI' 21).

### NON-COMMITTEE VOLUNTEER POSITIONS

- 2020 Assistant to the Program Committee Chairs: Accessibility and Aging.  
ACM Conference on Human Factors in Computing Systems (CHI' 20).

### CONFERENCE AND JOURNAL REVIEWING ACTIVITIES

- 2021 ACM Conference on Tangible, Embedded, and Embodied Interaction (TEI).
- 2020 Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).  
Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI).  
IEEE Pervasive Computing.  
IEEE Robotics and Automation Letters.  
Proceedings of the ACM on Human-Computer Interaction: Interactive Surfaces and Spaces (ISS).
- 2019 Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).  
ACM Conference on Tangible, Embedded, and Embodied Interaction (TEI).  
ACM Conference on Human Factors in Computing Systems (CHI).  
International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI).  
ACM Conference on User Interface Software and Technology (UIST).

2018      Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).  
ACM Conference on Human Factors in Computing Systems (CHI).  
ACM Conference on User Interface Software and Technology (UIST).

## Students Supervised

### MASTER THESIS STUDENTS

2020      Mengyu Zhong  
Thesis title: *AirHaptic: A Large-Scale, Dynamic, Air-Jet-Based Haptic Display*

2021      Aaron Visschedijk

## Other

### TRAINING

#### Hasso Plattner Institute

UIST SCHOOL

*Potsdam, Germany*

2018

#### ETH Zurich

ACM SIGCHI SUMMER SCHOOL ON COMPUTATIONAL INTERACTION

*Zurich, Switzerland*

2017

### INVITED TALKS

#### Human-Computer Integration Research Laboratory

ENABLING NON-EXPERTS TO AUTHOR TANGIBLE INTERACTIONS

- Stuff about the talk?

*Chicago, Illinois, USA*

2020

### SELECTED POPULAR PRESS

#### Prosa

HVEM? HVAD? HVORFOR?

#### Arduino Blog

AIRTOUCH: PNEUMATIC SENSING FOR 3D PRINTS