

desform19.org
desform19@mit.edu

DESFORM 2019 CONFERENCE PROGRAM

DAY 1

WEDNESDAY, OCTOBER 9TH, 2019

Samberg Center, 6th Floor
Building E52, MIT Campus
50 Memorial Drive,
Cambridge, MA 02139

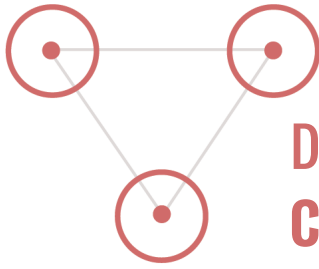
- 3.00 Registration opens
- 3.30 - 3.45 Welcome & Introduction
- 3.45 - 4.30 **Panel Presentations**
Beyond Digital:
Designing with Living Things
- Orkan Telhan, PhD
Cofounder, Chief Design & Technology Officer.
Biorealize Inc.
- Jiwon Woo
Biodesigner
- Jorge Duro-Royo
Mediated Matter Group, MIT Media Lab
- 4.30 - 4.45 Break
- 4.45 - 5.30 **Panel Discussion / Q&A**
Moderated by Scott Penman
- 6.00 - 8.00 **Conference Reception**
(Please bring your ID/Passport for alcoholic beverages)

DAY 2

THURSDAY, OCTOBER 10TH, 2019

Samberg Center, 6th Floor
Building E52, MIT Campus
50 Memorial Drive,
Cambridge, MA 02139

- 8.15 - 9.00 Registration & Breakfast
- 9.00 - 9.15 **Welcome**
Federico Casalegno, MIT Design Lab
- 9.15 - 9.30 **Conference Opening Words**
Yihyun Lim, Sara Colombo
Conference Chairs
- 9.30 - 10.30 **Keynote Presentation**
Martin Wattenberg
Google PAIR
(People & AI Research)
- 10.30 - 10.45 Coffee Break
- 10.45 - **Paper Session 1**
Design Manifestos:
What's Next.
- 10.45 - 11.05 **Future Forecasting Wicked Problem: A New Framework For Design**
Filippo Sanzeni
Ashley Hall
Paul Anderson
(Royal College of Art, London)
- 11.05 - 11.25 **Eventual Design for an Emergent World**
Nathan Felde
(Northeastern University, Boston)



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DAY 2 (continued)

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11.25 - 11.45 **The Decentralization Turns in Design: An Exploration Through the Maker Movement**

Massimo Menichinelli

(RMIT University, Barcelona, Aalto University, Helsinki)

Priscilla Ferronato

(University of Illinois, Urbana-Champaign)

11.45 - 12.00 Coffee Break

12.00 - Paper Session 2

**Interacting with
Domestic Intelligences**

12.00 - 12.20 **The Domestic Shape of AI: A Reflection on Virtual Assistants**

Davide Spallazzo

Martina Sciannname

Mauro Ceconello

(Politecnico di Milano)

12.20 - 12.40 **Conversational Smart Products: a Research Opportunity, First Investigation and Definition**

Ilaria Vitali

Venanzio Arquilla

(Politecnico di Milano)

12.40 - 2.30 Lunch

Short Paper Poster

+ Demo Sessions

(To be held concurrently during lunch - Short Paper authors to be available for demonstration of project prototypes and Q&A)

List of Short Papers

Prosumeristic Publications: alt+yd

Harshali Paralikar, Ajitesh Lokhande

(National Institute of Design, Paldi, Ahmedabad, Gujarat, India)

Swimming Coach: An Immersive Swimming Learning System

Shuo Li, Cheng Yao, Mingxuan He,

Qingcong Wang, Ying Wang, Yuyu Lin, Juanli Liu (Zhejiang University, Hangzhou),

Fan Xia (Mercyhurst Preparatory School, Erie),

Leijing Zhou (Zhejiang University, Hangzhou)

Designing Transparent Collaborations: Weave

Gissoo Doroudian

(College for Creative Studies, Detroit)

Huxley: Intelligent Book as Essentialist Artefact

David Ramsay, Joe Paradiso

(Massachusetts Institute of Technology, Cambridge)

OlfacEnhancer: A Vision-Based Scented Necklace for Cross-Modal Perception and Olfaction Augmentation

Yuyu Lin, Kai Zheng, Lijuan Liu, Yang Chen,

Jiahao Guo, Shuo Li, Cheng Yao

(Zhejiang University, Hangzhou),

Fangtian Ying (Hubei University of Technology, Wuhan)

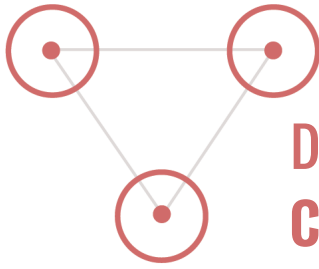
Aposema

Adi Meyer, Sirou Peng, Silvia Rueda

(University College London)

Playing with Systems: Tactile Games as Systems Prototypes

Tom Maiorana (University of California, Davis)



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List of Short Papers (continued)

HuValue: A Toolkit to Facilitate Considering Various Human Values in a Design Process.

Shadi Kheirandish, Mathias Funk, Stephan Wensveen (Eindhoven University of Technology), Maarten Verkerk (Maastricht University), Matthias Rauterberg (Eindhoven University of Technology)

Objects with a Mind of Their Own: Designing for the Future of Human-Object Interactions.

Humbi Song, Oliver Luo and Allen Sayegh (Harvard University, Cambridge)

Understanding User Customization Needs: Requirements for an Augmented Reality Lamp Customization Tool.

Ana Carina Palumbo, Hella Kriening, Barbara Wajda (Eindhoven University of Technology), Monica Perusquia-Hernandez (Eindhoven University of Technology, NTT Communication Science Laboratories)

Speculating on the Future of Graphic Design in the Age of Intelligent Machines

Sekyeong Kwon and Robyn Cook (Falmouth University)

Intelligent Clothing Aesthetic Evaluation

Xingxing Zou, Waikeng Wong (The Hong Kong Polytechnic University)

2.30 - Paper Session 3A

Interacting with Urban Intelligences (I)

2.30 - 2.50 **AI-to-Microbe Architecture: Simulation, Intelligence, Consciousness**

Dennis Dollens (Universitat Internacional de Catalunya, Barcelona)

2.50 - 3.10 **Envisioning and Questioning Near Future Urban Robotics**

*Maria Luce Lupetti (Delft University of Technology)
Nazli Cila (Amsterdam University of Applied Sciences)*

3.10 - 3.30 **Robot Citizenship: a Design Perspective**

*Maria Luce Lupetti, Roy Bendor (Delft University of Technology)
Elisa Giaccardi (Umea Institute of Design)*

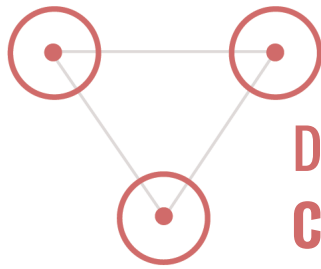
3.30 - 3.45 Coffee Break

3.45 - Paper Session 3B

Interacting with Urban Intelligences (II)

3.45 - 4.05 **Towards Transparency Between the Autonomous Vehicle and the Pedestrian**

Selin Zileli, Stephen Boyd Davis, Jiayu Wu (Royal College of Art, Intelligent Mobility Design Centre, London)



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4.05 - 4.25 **The Coerced User and the Era of the Smart City Dissonance**
Guy Cherni, Roe Bigger
(Bezalel Academy of Arts and Design, Jerusalem)

4.25 - 5.30 **Keynote Presentation**
Matthias Rauterberg
*Full Professor for Interactive Systems Design,
Department of Industrial Design,
Eindhoven University of Technology, TU/e
The Netherlands*

6.00 - 8.00 **Conference Social Dinner**
Charles River Sunset Cruise Dinner
Departure from MIT Sailing Pavilion

DAY 3

FRIDAY, OCTOBER 11TH, 2019

Bartos Theater
Building E15 Lower Level
20 Ames Street
Cambridge, MA 02139

8.15 - 9.00 Registration & Breakfast

9.00 - 9.15 Welcome

9.15 - 10.15 **Keynote Presentation**
Charles Johnson
Global Director Innovation, PUMA

10.15 - Paper Session 4

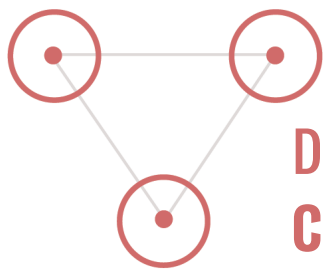
New Interfaces for Complex Ecosystems

10.15 - 10.35 **Drawing Interfaces: When
Interaction Becomes Situated and
Variable**
Ilaria Mariani (Politecnico di Milano)
Tommaso Livio (Think)
Umberto Tolino (Politecnico di Milano, Think)

10.35 - 10.55 **Individual Mid-Air Gesture Informed
by Conceptual Metaphors: A Case
Study on How Users Generate Mid-
Air Gesture Sets to Control Video
Streaming**
Gulben Sanli Eren
(Istanbul Technical University)

10.55 - 11.15 **A Pedagogy for Noticing - Soma
Literacy and the Designer**
Stephen Neely
(Carnegie Mellon University, Pittsburgh)

11.15 - 11.30 Coffee Break



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11.30 - Paper Session 5
**Smart and Multi-Sensory Systems
for Behavior Change**

11.30 - 11.50 **Designing Phygital Activities in
a Smart Multisensorial Room:
A Collaborative Cognitive
Environment for Children with and
without Disabilities**
*Micol Spitale, Agnese Piselli,
Franca Garzotto, Barbara Del Curto*
(Politecnico di Milano)

11.50 - 12.10 **Recommendations when Designing
to Address Procrastination: A
Psychological Perspective**
Helen Andreae
(Northumbria University, Newcastle upon Tyne,
Victoria University of Wellington)
Abigail Durrant, Steven Kyffin
(Northumbria University, Newcastle upon Tyne)

12.10 - 12.30 **R2S: Designing a Public Augmented
Printed Media System to Promote
Care Home Residents' Social
Interaction**
*Kai Kang, Jun Hu, Bart Hengeveld,
Caroline Hummels*
(Eindhoven University of Technology)

12.30 - 2.15 Lunch +
**Workshop / Participatory
Performance**
by Steven Neely

2.15 - Paper Session 6
**Design and Semantics for Health
and Inclusion**

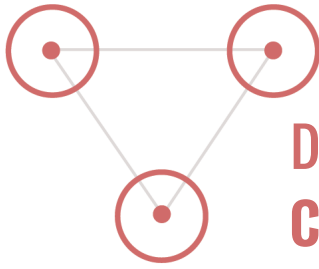
2.15 - 2.35 **Nova Creatio: A Clinical
Perspective on Rehabilitative
Everyday Objects for People with
Chronic Stroke**
*Mailin Lemke, Edgar Rodriguez Ramirez,
Brian Robinson*
(Victoria University of Wellington)

2.35 - 2.55 **The Semantics of Conspicuity:
Design Strategies to Address
Conspicuity in Type 1 Diabetes
Medical Devices for Adolescents**
*Madeleine J. Hazelton, Gillian M.
McCarthy, Edgar R. Rodriguez Ramirez*
(Victoria University of Wellington)

2.55 - 3.15 **Sitting Still. Seat Design for a New
Head-Only MRI Scanner**
*Christy Wells, Edgar Rodriguez
Ramirez, Mailin Lemke,
Benjamin Parkinson*
(Victoria University of Wellington)

3.15 - 3.35 **Designing Research Prototype for
the Elderly: A Case Study**
*Cun Li, Jun Hu, Bart Hengeveld,
Caroline Hummels*
(Eindhoven University of Technology)

3.35 - 3.50 Coffee Break



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- 3.50 - Paper Session 7
Designing with Humans, Machine Intelligence and Data
- 3.50 - 4.10 **Plug-ins Jungle. Algorithmic Design as Inbuilt Dynamism Between Human and Artificial Creativity**
Giuseppe Bono (University College London)
Pilar Maria Guerrieri (Politecnico di Milano)
- 4.10 - 4.30 **Defining a Data Impact Tool for Design Courses**
Laura Varisco, Margherita Pillan (Politecnico di Milano)
Patrizia Marti (Universita' degli Studi di Siena)
- 4.10 - 5.00 Closing Words

DAY 4

SATURDAY, OCTOBER 12TH, 2019

- 11.00 - 4.00 **Cultural Event**
Boston Brewing & Beyond
Craft Beer Brewery Tour of Boston
- (Details to be announced - Please bring comfortable walking shoes)*