



# COMMUNITY BUILDING WORKSHOP PROGRAM

September 9-11, 2019

Hasso Plattner Institute (HPI), Campus I (House H, 3<sup>rd</sup> floor)

Prof.-Dr.-Helmert Str.2-3

D-14482 Potsdam



**MONDAY, SEPTEMBER 9**

Symposium: **Designing Experiences in Neurodesign Education**

1:00pm	Welcome	Christoph Meinel
	Neurodesign intro & NSF proposal	Larry Leifer
1:20pm	Upcoming neurodesign education at the HPI	Julia von Thienen
1:40pm	Insights from a neuroscientist & design thinker	Caroline Szymanski
1:50pm	Neurodesign in engineering practice	Joaquín Santuber
2:05pm	I wish I like	
2:15pm	Game-programming for neurodesign research	Tom Beckmann, Kim Borchart, Christian Flach, Corinna Jaschek, Eva Krebs
2:30pm	Audience activity: Game visions	
2:45pm	<i>break</i>	
3:00pm	Panel and audience discussion: Why should engineering expertise be leveraged in neurodesign	Larry Leifer, Christoph Lippert, Falk Uebernickel, Matthias Trapp
3:30pm	Input for panel discussion: Credit point system & course regulations at the HPI	Johanna Schulz
3:45pm	Panel-and-audience discussion continued: How to render neurodesign education feasible for many students	
4:00pm	<i>break</i>	
4:15pm	Workshop: The potential of data sharing	Jonathan Edelman, Babajide Owoyele, Joaquín Santuber
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5:30pm	<i>HPDTRP Welcome BBQ (Campus I, Pavilion)</i>	



## TUESDAY, SEPTEMBER 10

- 8:30am *Arrival and Breakfast*
- 9:00am Welcome and Opening Remarks Christoph Meinel/Larry Leifer
- 9:10am Recap Symposium / Activity Julia von Thienen
- 9:30 –  
10:15am Research Talks Session I
- Learner-Centered Frameworks for Digital Learning Experiences Design (Lena Mayer, Karen Schmieden, Mana Taheri, Hanadi Traifeh, PI: *Christoph Meinel*)
  - From Design Thinking to Computational Thinking: An Early Stage Design Tool for Supporting Child Programmers' Problem Definition and Ideation (Griffin Dietz, Hyowon Gweon, PI: *James Landay*)
  - Research to Impact: Bridging the Research-Practice Gap and Putting Design Thinking Research to Work (Babajide Owoyele, Joaquin Santuber, PI: *Jonathan Edelman*)
- 10:15am Challenge-Meet ups I
- 10:45am *break*
- 11:15am –  
12:00pm Research Talks Session II
- Design Team Fracture (Mark Whiting, PI: *Michael Bernstein, Melissa Valentine*)
  - Innovation at Work – How Space Interventions Change the Behavior of Individuals, Teams, and Organizations (Marie Klooker, Martin Schwemmle, PI: *Claudia Nicolai, Ulrich Weinberg*)
  - ProtoKinetic: A Multimodal Design Tool for Rapid and Real-Time Prototyping of Human-Robot Interactions (Parastoo Abtahi, PI: *Sean Follmer*)
- 12:00pm Challenge-Meet ups II



12:30pm	<i>Lunch + walk to Campus III (leave at 1:20pm)</i>	
1:40 – 2:40pm	Visit to the Digital Health Center Campus III	Jonathan Edelman
3:00 – 3:45pm	Research Talks Session III <ul style="list-style-type: none"> <li>• Examining the role of design reflection and associated brain dynamics in creativity (Neeraj Sonalkar, PI: <i>Manish Saggur</i>)</li> <li>• The Impact and Value Creation of Team Collaboration (Grace Hawthorne, Naama Maysel, PI: <i>Allan L. Reiss</i>)</li> <li>• Measuring the Impact of Design Thinking on Software Development Processes and Products (Franziska Dobrigkeit, Danielly De Paula, PI: <i>Matthias Uflacker</i>)</li> </ul>	
3:45pm	<i>break</i>	
4:00 pm	Challenge-Meet ups III	
4:30 - 4:45pm	Outlook: Design Thinking and Innovation Research	Falk Uebernickel
5:00pm	Departure Bus shuttle to Potsdam (parking lot on campus I, behind the lecture hall building)	
5:30pm	Museum Barberini: After an intro to the museum's app, we are going to test its new feature 'walk through Bella Potsdam' around 'Alter Markt' and 'Neuer Markt'.	Remi Plath
7:00 pm	Dinner (Genusswerkstatt, Breite Str. 1A, Potsdam)	

**WEDNESDAY, SEPTEMBER 11**

8:30am	<i>Arrival and Breakfast</i>	
9:00am	Warmup-Activity	Karen Schmieden/Mana Taheri



9:15 –  
10:00am

Research Talks Session IV

- Remote Care with Tele-Board MED  
(Anja Perlich, Julia von Thienen, Matthias Wenzel,  
PI: *Christoph Meinel*)
- The Time Capsule: Transferring Design Knowledge Across  
Temporal Team-of-Teams (Lawrence Domingo, David Sirkin,  
PI: *Larry Leifer*)
- Can Design Thinking Improve Programming? III Exploring  
Means to Grow a Shared Vocabulary Between Programmers and  
Domain Experts (Richard P. Gabriel, Jens Lincke, Patrick Rein,  
Marcel Taeumel, PI: *Robert Hirschfeld*)

10:00am

Challenge-Meet ups IV

10:30am

*Coffee break + Group picture*

10:50am

Inspirational Guest Lecture

Yutaka Makino

Yutaka Makino studied Earth science, computer music and visual arts in Japan, the Netherlands and the USA. Since 2010, he lives and works in Berlin. On the basis of research into areas such as phenomenology, experimental psychology, psychoacoustics, neuroscience and systems theory, Makino probes the processes of perception in experimental setups. His performances and installations provide acoustically and visually conditioned environments that make processes of perception tangible to the perceivers and provoke reflection on the acts of perception.

11.30am

*Coffee break*

11:50am

Outlook PY12 - activity

Anja Perlich / Dagmar Willems

12:15pm

*Lunch*

1:15 –  
2:00pm

Research Talks Session V

- Visual Diagnostics for Design Thinking Teams Using Immersive  
Virtual Reality  
(Ade Mabogunje, Neeraj Sonalkar, PI: *Jeremy Bailenson*)
- Training Creative Collaboration - Taking a multiperspective view  
on creativity exercises to foster innovation (Benedikt Ewald,  
Axel Menning, Andrea Rhinow, PI: *Claudia Nicolai,  
Ulrich Weinberg*)



- Measuring the Transfer of Design Practice from Training Contexts to Applied Contexts (Helen Chen, Adam Royalty, PI: Sheri Sheppard, Bernard Roth)

2:00pm Challenge-Meet ups V

2.30 - 3.00pm Reflecting + Plans – I like, I wish

The Map of Design Thinking Research – Where would you locate your work? If you feel an area is missing, please feel free to extend the map (on the map poster in the venue).

