Hasso Plattner Design Thinking Research Program

COMMUNITY BUILDING WORKSHOP PROGRAM

March 12, 2018

Stanford d.school Studio 1
Peterson (Bldg 550), 2nd Floor

March 13-14, 2018

Stanford Old Union Clubhouse Ballroom
Old Union Complex, Clubhouse, 2nd Floor

Stanford, CA 94305

MONDAY, MARCH 12
Peterson (Bldg 550) d.school Studio 1

3:00pm-6:00pm	**Warmup Workshop: "Research to Impact"**	Dr. Jonathan Edelman & Dagmar Willems

While there is no arranged dinner on Monday, the d.school is close to Stanford Shopping Center and to University Ave in downtown Palo Alto, where you can find a variety of restaurants and eateries.
http://www.simon.com/mall/stanford-shopping-center/dining
http://www.downtownpaloaltorestaurants.com/Restaurants.html

TUESDAY, MARCH 13
Stanford Old Union Clubhouse Ballroom

8:30am	Arrival and Breakfast	
9:00am	**Welcome and Opening Remarks**	Prof. Larry Leifer & Prof. Dr. Christoph Meinel
9:30am	**Introduction & Warm Up Activity**	Dr. Neeraj Sonalker & Dr. Ade Mabogunje
	Presentations - Group I	
10:30am	Can Design Thinking Improve Programming? II Exploring Means to Grow a Shared Vocabulary Between Programmers and Domain Experts	Prof. Dr. Robert Hirschfeld
10:40am	Visual Diagnostics for Design Thinking Teams Using Immersive Virtual Reality	Prof. Larry Leifer, Prof. Jeremy Bailenson
10:50am	Innovation Work Places of the Future–Fostering Collaboration Through Leveraging an Under-Used Organizational Resource in the Context of Transformation	Dr. Claudia Nicolai, Prof. Ulrich Weinberg
11:00am	Investigating Active Tangible Proxies and Augmented Reality for Creativity Support in Remote Collaboration	Prof. Sean Follmer
11:15am	*Discussion Session I and Break (15 min)*	

11:30am – 1:30pm	***Food Innovation Talk & Lunch***	Dr. Soh Kim
	Catered Lunch at Stanford Old Union Clubhouse Ballroom	
	Presentations – Group II	
1:30pm	Design Thinking Medical Record Data: Addressing Innovation Barriers to Doctor-Patient Teamwork	
1:40pm	Manipulating trust propensity to elucidate the person-to-object-trust-development process	Prof. Dr. Christoph Meinel
1:50pm	Measuring Creative Collaboration – Evaluating Design Thinking Methods	Prof. Erin MacDonald
2:00pm	Understanding, Capturing and Reusing Successful Design Practices	Dr. Claudia Nicolai, Prof. Ulrich Weinberg
2:10pm	*Discussion Session II (15-20 min)*	Prof. James Landay
	Presentations – Group III	
2:30pm	Measuring the Impact of Design Thinking on Software Development Processes and Products	
2:40pm	Human-Centered Research at Crowd Scale Hive: Decentralized, Collaborative Design Through Network Rotation	Dr. Matthias Uflacker
2:50pm	Fostering DT education through adaptive digital learning experiences	Prof. Michael Bernstein
3:00pm	*Discussion Session III & Afternoon Break (15-30 min)*	Prof. Dr. Christoph Meinel
3:30pm	**Kaleidoscope Demo**	
3:45pm	3D Prototyping Tool	
4:00pm	Depart for Evening Activities	Matthias Wenzel
5:30pm	***Evening Social @ Gravity Wine Bar*** *(hors d'oeuvres & beverages)* http://www.gravitywinebar.com/ 544 Emerson Street, Palo Alto, CA, 94301	

WEDNESDAY, MARCH 14
Stanford Old Union Clubhouse Ballroom

8:30am	Arrival and Breakfast	
9:30 am	**Keynote Speaker** Talk title: "Redesigning Design Thinking"	Dr. Jonathan Edelman
10:30am	*Break (15 min)*	
10:45am	**Day 2 Warm Up Activity**	Dr. Rebecca Currano
11:15am	**Presentations – Group IV**	
11:15am	Examining the role of design reflection and associated brain dynamics in creativity	Prof. Manish Saggar
11:25am	Measuring the Transfer of Design Thinking from Training to Application Embedded Platforms (Continuing)	Prof. Sheri Sheppard, Prof. Bernard Roth
11:35am	The Impact and Value Creation of Team Collaboration	Prof. Allan L. Reiss
11:45pm	Design Thinking Powered Learning Experience	Hanadi Traifeh & Dr. Julia von Thienen
11:55pm	*Discussion Session IV (15-20 min)*	
12:15pm	*Lunch (1 hr)*	
1:15pm	Group Photo	
1:30pm	Closing Feedback Session	
2:30pm	*Depart for Afternoon Tour*	
3:00pm	**Tour of Renault's Open Innovation Lab Silicon Valley** 1215 Bordeaux Drive, Sunnyvale, California 94089 http://renaultsv.com/	
5:00pm	*Adjourn*	

Workshop Keynote Speaker – Dr. Jonathan Antonio Edelman

Talk Title: "Redesigning Design Thinking"

Abstract

In the past ten years, Design Thinking has evolved from a small and inspired group of evangelists to an enthusiastic global community of practice. Design Thinking now encompasses the development of human centered products, services, infrastructure and organizational capacity for change. Today Design Thinking has become a beacon for universities and companies in search gaining innovative offerings and culture.

The Hasso Plattner Institute Design Thinking Research Program, now in its eleventh year, has created rigorous, scientifically-grounded research examining a wide range of Design Thinking modalities from user centered design to design education to team dynamics to the organizational implications of adopting Design Thinking. As a community, we understand more about what makes Design Thinking work and what doesn't work than ever before. Thus, we are in a unique position to create well-tuned content based on that knowledge. The time has come to share the benefits of our hard-earned insights in Design Thinking; the time has come to create new curricula and offerings, informed and robust, for our students in particular, and our community at large.

In his talk, Dr. Edelman will present an overview of and a strategy for transforming ten years of knowledge creation and research insights into powerful content for teaching and organizational change, with an emphasis on digital engineering. Please come dressed for change.

Speaker Biography

Dr. Jonathan Antonio Edelman is currently a Visiting Professor at the Hasso Plattner Institute. Before his appointment at HPI, Jonathan served as Head of Programme for Global Innovation Design, a dual degree (art and engineering) masters programme at the Royal College of Art, London. Prior to that Jonathan was the Director of Interdisciplinary Design at Stanford University's Product Realization Lab, as well as Consulting Assistant Professor in Mechanical Engineering and Visiting Associate Professor at Stanford.

Jonathan is also a Visiting Professor at Politecnico di Milano, Dipartimento di Design, where he teaches Product Service System Design and serves on the Advisory Board. He has taught at University of California Berkeley, Department of Mechanical Engineering, Grenoble Institute of Technology, School of Industrial Engineering and Management, Tecnológico de Monterrey, Departamento Diseño Industrial, helped design a capstone design program at Phillips-Exeter Academy for high school students. Jonathan enjoys giving inspiring and engaging talks about design and Design Thinking in various and diverse locations across the globe.

Jonathan holds a Bachelor's Degree in Math and Philosophy from St. John's College, Annapolis, a Master of Fine Arts in Product Design from Stanford's Joint Programme in Design, and a PhD in Mechanical Engineering from Stanford's Center for Design Research. His studies focused on Integrated Design and Manufacture. His dissertation, 'Understanding Radical Breaks: the affordances of shared media in small team interaction' broke new ground in understanding the intertwined role of media and behaviours in the generation of novel concepts.

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