

CALL FOR PROPOSALS HPDTRP 2.0, year-1

For the ninth time, the Stanford School of Engineering and the Hasso Plattner Institute, Potsdam, Germany, invite grant proposals for research into the nature and impact of Design Thinking. Grants are in the range of \$50,000-\$150,000 per year. Approximately 12 awards are expected, 6 per institution. The Program seeks to engage multidisciplinary research teams with divergent backgrounds in science, engineering, design, the humanities, and business.

Program Vision

The HPI-Stanford Design Thinking Research Program engages multidisciplinary research teams to scientifically investigate the phenomena of innovation in its many dimensions and different application contexts. In particular researchers are encouraged to develop ambitious, long-term explorations related to the innovation strategies of design thinking across domains of practice. The HPI-Stanford Design Thinking Research Program applies rigorous academic research methods to understand the scientific basis for how and why design thinking innovation works and fails. Researchers in the Program study the complex interaction between members of multi-disciplinary teams challenged to deliver breakthrough product, service, and business-model design innovations.

An important feature of the design space is the need for creative collaboration across spatial, temporal, and cultural boundaries. In the context of disciplinary diversity, how might successful “team-of-teams” design thinking organizations mesh effectively with traditional engineering and management command-control organizations.

The overall goal of the program is to discover metrics that predict engineering centric design team performance.

Please find more detailed information on our website: www.hpi.de/dtrp

Program Priorities

The focus of the Design Thinking Research Program is on the collaboration between researchers at Stanford University and at the Hasso Plattner Institute, Potsdam, Germany. Funding decisions favor projects that set new research priorities for this emergent knowledge domain. In this context we believe that field studies in real business environments are important to assess the impact and/or needed transformations of Design Thinking in large organizations, especially those that have engineering science roots. Selection is also based on intellectual merit, methodology rigor, and evidence of open collaboration.

We are especially interested in close collaboration between the two Universities. Therefore we strongly support:

- Joint proposals of Stanford University and the Hasso Plattner Institute
- D-school (HPI) and d.school (Stanford) related proposals

We are also concerned with the following points-of-view and guiding questions:

- What are people really THINKING and DOING when they are engaged in creative design innovation? How can new frameworks, tools, systems, and methods augment, capture, and reuse successful practices?
- What is the IMPACT of Design Thinking on human, business, and technology performance? How do the tools, systems, and methods really work to create the right innovation at the right the time? How do they fail?

The Principal Investigator (PI) must be a tenure line professor at Stanford University or the Hasso Plattner Institute. They must be authorized to supervise Ph.D. candidates as the primary dissertation advisor. The National Science Foundation (USA) eligibility criteria define PI requirements.

Proposal Guidelines

1. New Proposals

Grant proposal descriptions can be up to 4 pages in length including figures. Joint proposals between Stanford University and the Hasso Plattner Institute must have an eligible PI on each side and each side must submit a separate proposal (sections of which can be identical). Each side can apply for funding up to \$150,000.

Please, no fonts below 12pt, no margins less than 2cm, and either letter or A4 page layouts. Proposals should include:

- Cover Sheet: Please use official form on the last page
- Cover Page: Project title, names (incl. affiliations & email) of all members of the proposed project team
- Description: Visualize the research project in ways that explicitly address the following key questions. If these issues do not fit your vision, please present alternatives and the rationale for using them.
 - What is the experiment design?
 - What are the analysis methods?
 - How is performance being measured?
 - What is the expected impact?
 - What human need is being addressed?
- Appendices:
 - References
 - One-page resume for each investigator (NSF style)
 - One-page timeline with milestones and year-end deliverables (paper, workshop, demonstration ...)
 - One-page budget justification for one year:
 - Salaries (faculty, post-doc, PhD candidates, staff)
 - Supplies (printing, publication, media, experiment consumables)
 - Travel (regional, international conferences, collaboration)
 - Capital equipment is not allowed in Stanford proposals.



2. Applications for Continued Funding for HPI-Stanford Design Thinking Research.

All of the above (designed for the year ahead) plus a progress report of up to 15 pages.

Submission and Review Protocol

The Program Committee with balanced institutional representation will review all eligible grant proposals. This committee may encourage groups to collaborate if it sees complementary lines of interest.

Proposals should be submitted by email as Adobe Acrobat (pdf) attachments TO BOTH:

- Prof. Dr. Christoph Meinel (meinel@hpi.uni-potsdam.de)
- Prof. Dr. Larry Leifer (leifer@cdr.stanford.edu)

by 23:59 (GMT), Friday, July 1st, 2016. Please feel free to contact either for more information.



Cover Sheet (Form)

Proposal ID code: (to be filled in by program manager)	
Title of Proposed Project:	
Name and Affiliation of Principal Investigator:	
Abstract: (maximum of 200 words)	
Overall Budget requested (in US\$):	