

17th International Conference on Design Science Research in Information Systems and
Technology (DESRIST 2022)
St. Petersburg, FL USA

Conference Theme - The Transdisciplinary Reach of Design Science Research

DESRIST 2022 Conference Program

Wednesday – 1 June 2022		Rooms: Lynn Pippenger Hall (LPH)
8:30 am – 4:30 pm	Registration	LPH Atrium
9:00 am – 5:00 pm	DESRIST Doctoral Consortium Anol Bhattacharjee and Jeff Parsons, Chairs	LPH 123 Breakout: LPH 128
10:00 am – 10:30 am	Coffee Break	LPH Atrium
12:00 pm – 1:30 pm	Doctoral Consortium Lunch	LPH Atrium
1:00 pm – 5:00 pm	Industrial Workshop Alison Barlow, Dennis Edwards, Joe Partlow, Isaiah Wilson, and Matthew Mullarkey, Chairs	LPH 229 Breakouts: LPH 213 LPH 214 LPH 222 LPH 223
3:00 pm – 3:30 pm	Coffee Break	LPH Atrium
5:00 pm – 7:00 pm	DESRIST 2022 Conference Reception	LPH 418 – Dean’s Reception Area

Thursday, 2 June 2022		Rooms: Lynn Pippenger Hall (LPH) USF Student Center (USC)
8:00 am – 4:00 pm	Registration	USC Ballroom Atrium (Morning) LPH Atrium (Afternoon)

8:30 am –
10:00 am

Hanlie Smuts, Robert Winter, Alta Van der Merwe and AURONA GERBER

<p>1:30 pm – 3:00 pm</p>	<p>Paper Session 6: Emerging DSR Methods</p> <p>Session Chair: Alta van der Merwe</p> <p>“SeniorDT: A Design Thinking-Based Approach to Requirements Engineering Involving Elderly Users” Alexandra Jussli, Kathrin Kim, Heiko Gewalt and Jason Thatcher</p> <p>“Toward an Information Systems Ontology” Roland M. Mueller, Sebastian Huettemann, Kai R. Larsen, Sen Yan and Abram Handler</p> <p>“Uncovering Strategies of Design Principle Development” (Research in Progress) Thorsten Schoormann, Frederik Möller and Leona Chandra Kruse Download Paper from DESRIST Website</p> <p>“Addressing the Dichotomy of Theory and Practice in Design Science Research Methodologies” (Research in Progress) Christian Daase, Matthias Volk, Daniel Staegemann and Klaus Turowski (Best Student Paper Nomination) Download Paper from DESRIST Website</p>	<p>LPH 214</p>
<p>3:00 pm – 3:30 pm</p>	<p>Coffee Break</p>	<p>LPH Atrium</p>
<p>3:30 pm – 5:00 pm</p>	<p>Session 7: Blockchain Information Systems</p>	

	<p>"An Enterprise Risk Management Framework to Design Pro-Ethical AI Solutions" (Research in Progress) Quintin McGrath, Alan Hevner and Gert-Jan de Vreede Download Paper from DESRIST Website</p> <p>"Emancipatory Design Science: A Philosophical Theory Alternative to Value Sensitive Design" (Research in Progress) Amber Young, Yaping Zhu and Syed Shuva Download Paper from DESRIST Website</p>	
<p>3:30 pm – 5:00 pm</p>	<p>Session 9: Cybersecurity</p> <p>Session Chair: Richard Baskerville</p> <p>"Designing Information Security Culture Artifacts to Improve Security Behavior: An Evaluation in SMEs" Olfa Ismail</p> <p>"Towards a Taxonomy for Classifying Knowledge on Ransomware as a Service (RaaS) Specializations" (Research in Progress) Tim Smith and Miloslava Plachkinova Download Paper from DESRIST Website EMC q131.55 340.1 331.275 0.58 re53'</p> <p>"Words Are Louder Than Actions – Design Requirements for Facilitating Restorative Justice in Data Breaches" (Research in Progress) Till Ole Diesterhöft, Marvin Braun, Aycan Aslan, Maïke Greve a11osla(os)-12(TJET</p>	

<p>8:30 am – 10:00 am</p>	<p>Session 10: Healthcare Systems</p> <p>Session Chair: Monica Chiarini Tremblay</p> <p>“Empowering refugees for European bureaucracy: Designing a trustworthy mobile app for document management” Alexandre Amard, Alexandra Hoess, Alexander Rieger, Tamara Roth and Gilbert Fridgen</p> <p>“A Design Science Approach to Blood Donation Apps” Helena Müller and Melanie Reuter-Oppermann (Best Paper Nomination)</p> <p>“Fathers with postpartum depression: A problem-space exploration” Pavankumar Mulgund, Sandeep Puroo and Lavlin Agrawal</p>	<p>LPH 229</p>
<p>8:30 am – 10:00 am</p>	<p>Session 11: Innovation and Entrepreneurship</p> <p>Session Chair: Henrik Berglund</p> <p>“Developing an innovation accounting system for a professional service firm: A design science research project” Simon David Arsenidis and Christoph Seckler</p> <p>“Market of Makers – How to Promote Corporate Entrepreneurship with an Effectuation Intervention” Sophia Braun and René Mauer (Best Student Paper Nomination)</p> <p>“Models of Impact: A Methodology and a Toolkit to Generate Sustainable Business Models” Matthew Manos, Samir Chatterjee and Nagla Alnosayan</p>	<p>LPH 223</p>

	Subramanian, Richard Paucar and Eva A. C. Bittner (Best Student Paper Nomination)	
10:00 am – 10:30 am	Coffee Break	LPH Atrium
10:30 am – 12:00 noon	<p>Session 13: Healthcare Systems</p> <p>Session Chair: Debra VanderMeer</p> <p>“A Digitization Pipeline for Mixed-Typed Documents Using Machine Learning and Optical Character Recognition” Tizian Matschak, Florian Rampold, Malte Hellmeier, Christoph Prinz and Simon Trang</p> <p>“Just what the Doctor ordered – Towards Design Principles for NLP-based Systems in Healthcare” Marvin Braun, Ayca Aslan, Till Ole Diesterhöft, Maike Greve, Alfred Benedikt Brendel and Lutz Kolbe</p> <p>“Towards Space Mining: A Smart Space Management Solution to Minimize Indoor Spreading Risk of COVID-19” (Research in Progress) Markus Otto, Gregor Kipping, Michael Gau, Thomas Grisold and Jan vom Brocke Download Paper from DESRIST Website</p> <p>“Towards an IoT Implementation Framework - About a New Building Project of a Hospital in a European Microstate” (Research in Progress) Manuel Weber, Gregor Kipping and Jan vom Brocke Download Paper from DESRIST Website</p> <p>“Investigating Symptom Recognition in Colloquial Patient Narratives” (Research in Progress) Jennifer Xu and Tamara Babaian Download Paper from DESRIST Website</p>	LPH 229
10:30 am – 12:00 noon	<p>Session 14: Innovation and Entrepreneurship</p> <p>Session Chair: Sophia Braun</p> <p>“The chimera of the simple organization: What is the relevant design knowledge needed to guide small business digital transformation?” Sarah Hönigsberg, Malshika Dias, Barbara Dinter and Munir Mandviwalla (Best Paper Nomination)</p> <p>“How to make smart collaboration work in multidisciplinary teams” Jolanda Burgers-Pas, Christoph Seckler and Jolanda Burgers</p>	LPH 223

	<p>"How to Valuate Impact Startups – Towards a Taxonomy" (Research in Progress) Christin Eckerle, Sarah Manthey and Orestis Terzidis</p>	
<p>10:30 am – 12:00 noon</p>	<p>Session 15: Intelligent Systems and HCI Session Chair: Frederik Moller</p> <p>"Gamified Expert Annotation Systems: Meta-Requirements and Tentative Design" Simon Warsinsky, Manuel Schmidt-Kraepelin, Scott Thiebes, Martin Wagner and Ali Sunyaev</p> <p>"Chatbot Design Features to Increase Productivity" (Research in Progress) Lukas Ramming, Daniel Konadl and Susanne Leist Download Paper from DESRIST Website</p> <p>"Designing AI-driven Inspiration for Design Professions" (Research in Progress) Hans Christian Klein, Sebastian Weber and Bjoern Niehaves Download Paper from DESRIST Website</p>	<p>LPH 214</p>

12:00 noon
– 2:00 pm

"Persuasive Systems to Support Behavior Change in the Context of Higher Education"

Vanessa Maria Steinherr, Simon Graeber and Alexander Simon Rudenko

[Download Paper from DESRIST Website](#)

"Open Data Product Specification"

Jarkko Moilanen

[Download Paper from DESRIST Website](#)

"A Serious Game as Online-Application for Dynamic Business Model Adaptation"

Ricarda Schlimbach, Benjamin Karatschinez and Susanne Robra-Bissantz

[Download Paper from DESRIST Website](#)

"A Rapid Prediction and Response System (RPARS) to Facilitate Guided Self-Regulation During Pandemics"

Jeffrey Sweeney, Karthik Srinivasan and Peter Vervest

[Download Paper from DESRIST Website](#)

"Designing Resilient AI-based Robo-Advisors: A Prototype for Real Estate Appraisal"

Jill Schiefelbein

Download Paper from DESRIST Website

"Non-Fungible Tokens (NFT) in Additive Manufacturing: A Digital Tool for
Enhancing IPR Protection"

Alireza Jaribion, Adriaan Knapen, Alberto Xamin, Jan Holmström and Siavash H.