

## NeurIPS 2022 – Thirty-sixth Conference on Neural Information Processing Systems: Accepted Papers

1. *Relational Proxies: Emergent Relationships as Fine-Grained Discriminators*  
Abhra Chaudhuri · Anjan Dutta · Massimiliano Mancini · **Zeynep Akata**
2. *Efficient identification of informative features in simulation-based inference*  
Jonas Beck · Michael Deistler · Yves Bernaerts · **Jakob H Macke** · **Philipp Berens**
3. *A Causal Analysis of Harm*  
**Sander Beckers** · Hana Chockler · Joseph Halpern
4. *Embrace the Gap: VAEs Perform Independent Mechanism Analysis*  
Patrik Reizinger · Luigi Gresele · Jack Brady · Julius von Kügelgen · Dominik Zietlow · **Bernhard Schölkopf** · **Georg Martius** · **Wieland Brendel** · Michel Besserve
5. *VoxGRAF: Fast 3D-Aware Image Synthesis with Sparse Voxel Grids*  
Katja Schwarz · Axel Sauer · Michael Niemeyer · Yiyi Liao · **Andreas Geiger**
6. *MonoSDF: Exploring Monocular Geometric Cues for Neural Implicit Surface Reconstruction*  
Zehao Yu · Songyou Peng · Michael Niemeyer · Torsten Sattler · **Andreas Geiger**
7. *Performative Power*  
**Moritz Hardt** · Meena Jagadeesan · Celestine Mender-Dünner
8. *Provably Adversarially Robust Detection of Out-of-Distribution Data (Almost) for Free*  
Alexander Meinke · Julian Bitterwolf · **Matthias Hein**
9. *Diffusion Visual Counterfactual Explanations*  
Maximilian Augustin · Valentyn Boreiko · Francesco Croce · **Matthias Hein**
10. *SAMURAI: Shape And Material from Unconstrained Real-world Arbitrary Image collections*  
Mark Boss · Andreas Engelhardt · Abhishek Kar · Yuanzhen Li · Deqing Sun · Jonathan Barron · **Hendrik PA Lensch** · Varun Jampani
11. *Interpolation and Regularization for Causal Learning*  
Leena Chennuru Vankadara · Luca Rendsburg · **Ulrike Luxburg** · Debarghya Ghoshdastidar
12. *Truncated proposals for scalable and hassle-free simulation-based inference*  
Michael Deistler · Pedro Goncalves · **Jakob H Macke**
13. *Curious Exploration via Structured World Models Yields Zero-Shot Object Manipulation*  
Cansu Sancaktar · Sebastian Blaes · **Georg Martius**
14. *Interventions, Where and How? Bayesian Active Causal Discovery at Scale*  
Panagiotis Tigas · Yashas Annadani · Andrew Jesson · **Bernhard Schölkopf** · Yarin Gal · Stefan Bauer
15. *Rule-Based but Flexible? Evaluating and Improving Language Models as Accounts of Human Moral Judgment*  
Zhijing Jin · Sydney Levine · Fernando Gonzalez Adauto · Ojasv Kamal · Maarten Sap · Mrinmaya Sachan · Rada Mihalcea · Josh Tenenbaum · **Bernhard Schölkopf**
16. *Neural Attentive Circuits*  
Martin Weiss · Nasim Rahaman · Francesco Locatello · Chris Pal · Yoshua Bengio · **Bernhard Schölkopf** · Li Erran Li · Nicolas Ballas
17. *Exploring the Latent Space of Autoencoders with Interventional Assays*  
Felix Leeb · Stefan Bauer · Michel Besserve · **Bernhard Schölkopf**
18. *Amortized Inference for Causal Structure Learning*  
Lars Lorch · Scott Sussex · Jonas Rothfuss · Andreas Krause · **Bernhard Schölkopf**
19. *Assaying Out-Of-Distribution Generalization in Transfer Learning*  
Florian Wenzel · Andrea Dittadi · Peter Gehler · Carl-Johann Simon-Gabriel · Max Horn · Dominik Zietlow · David Kernert · Chris Russell · Thomas Brox · Bernt Schiele · **Bernhard Schölkopf** · Francesco Locatello

20. *Probable Domain Generalization via Quantile Risk Minimization*  
Cian Eastwood · Alexander Robey · Shashank Singh · Julius von Kügelgen · Hamed Hassani · George J. Pappas · **Bernhard Schölkopf**
21. *Function Classes for Identifiable Nonlinear Independent Component Analysis*  
Simon Buchholz · Michel Besserve · **Bernhard Schölkopf**
22. *AutoML Two-Sample Test*  
Jonas Kübler · Vincent Stimper · Simon Buchholz · Krikamol Muandet · **Bernhard Schölkopf**
23. *Sampling without Replacement Leads to Faster Rates in Finite-Sum Minimax Optimization*  
Aniket Das · **Bernhard Schölkopf** · Michael Muehlebach
24. *Causal Discovery in Heterogeneous Environments Under the Sparse Mechanism Shift Hypothesis*  
Ronan Perry · Julius von Kügelgen · **Bernhard Schölkopf**
25. *Direct Advantage Estimation*  
Hsiao-Ru Pan · Nico Gürtler · Alexander Neitz · **Bernhard Schölkopf**
26. *Learning Structure from the Ground up---Hierarchical Representation Learning by Chunking*  
Shuchen Wu · Noemi Elteto · Ishita Dasgupta · **Eric Schulz**
27. *Exploration With a Finite Brain*  
Marcel Binz · **Eric Schulz**
28. *Learning interacting dynamical systems with latent Gaussian process ODEs*  
**Cagatay Yildiz** · Melih Kandemir · Barbara Rakitsch