

CyberValley

Papers accepted to the Computer Vision and Pattern Recognition Conference (CVPR) 2020:

1. Two-Shot Spatially-Varying BRDF and Shape Estimation

M. Boss, V. Jampani, K. Kim, H. P.A. Lensch, Jan Kautz (University of Tübingen)

2. Evaluating Weakly Supervised Object Localization Methods Right

J. Choe (Yonsei University), S. Joon Oh (CLOVA AI Research), S. Lee (Yonsei University), S. Chun (CLOVA AI Research), Z. Akata (University of Tübingen), H. Shim (Yonsei University)

3. Meta-Learning of Neural Architectures for Few-Shot Learning

T. Elsken, B. Staffler, J-H. Metzen, F. Hutter (Bosch Center for Artificial Intelligence BCI)

4. VIBE: Video Inference for Human Body Pose and Shape Estimation

M. Kocabas, N. Athanasiou, N., M. J. Black (Max Planck Institute for Intelligent Systems)

5. Towards Unsupervised Learning of Generative Models for 3D Controllable Image Synthesis

Y. Liao, K. Schwarz, L. Mescheder and A. Geiger (Max Planck Institute for Intelligent Systems, University of Tübingen)

6. Learning to Dress 3D People in Generative Clothing

Q. Ma., J. Yang, A. Ranjan, S. Pujades, G. Pons-Moll, S. Tang, S., M. J. Black (Max Planck Institute for Intelligent Systems)

7. Differentiable Volumetric Rendering: Learning Implicit 3D Representations without 3D Supervision

M. Niemeyer, L. Mescheder, M. Oechsle and A. Geiger (Max Planck Institute for Intelligent Systems, University of Tübingen)

8. Learning Situational Driving

E. Ohn-Bar, A. Prakash, A. Behl, K. Chitta and A. Geiger (Max Planck Institute for Intelligent Systems, University of Tübingen)

9. Learning Unsupervised Hierarchical Part Decomposition of 3D Objects from a Single RGB Image

D. Paschalidou, L. Gool and A. Geiger (Max Planck Institute for Intelligent Systems, University of Tübingen)

10. Exploring Data Aggregation in Policy Learning for Vision-based Urban Autonomous Driving

A. Prakash, A. Behl, E. Ohn-Bar, K. Chitta and A. Geiger (Max Planck Institute for Intelligent Systems, University of Tübingen)

11. Optimizing Rank-based Metrics with Blackbox Differentiation

M. Rolínek, V. Musil, A. Paulus, M. Vlastelica, C. Michaelis, G. Martius (Max Planck Institute for Intelligent Systems)

12. On Joint Estimation of Pose, Geometry and svBRDF from a Handheld Scanner

C. Schmitt, S. Donne, G. Riegler, V. Koltun and A. Geiger (Max Planck Institute for Intelligent Systems, University of Tübingen)

13. A U-Net Based Discriminator for Generative Adversarial Networks

E. Schönfeld, B. Schiele, A. Khoreva (Bosch Center for Artificial Intelligence)

14. Generating 3D People in Scenes without People

Y. Zhang, M. Hassan, H. Neumann, M. J. Black, S. Tang (Max Planck Institute for Intelligent Systems)

15. Where Does It End? – Reasoning About Hidden Surfaces by Object Intersection Constraints

M. Strecke, J. Stückler (Max Planck Institute for Intelligent Systems)

Papers accepted to the International Conference on Machine Learning (ICML) 2020:

1. Minimally distorted Adversarial Examples with a Fast Adaptive Boundary Attack

F. Croce (University of Tübingen), M. Hein (University of Tübingen)

2. Reliable evaluation of adversarial robustness with an ensemble of diverse parameter-free attacks

F. Croce (University of Tübingen), M. Hein (University of Tübingen)

3. A simpler approach to accelerated optimization: iterative averaging meets optimism

P. Joulani (DeepMind), A. Raj (Max Planck Institute for Intelligent Systems), A. Gyorgy (DeepMind), C. Szepesvari (DeepMind, University of Alberta)

4. Variational Autoencoders with Riemannian Brownian Motion Priors

D. Kalatzis (DTU), David Eklund (Technical University of Denmark), Georgios Arvanitidis (Max Planck Institute for Intelligent Systems), S. Hauberg (Technical University of Denmark)

5. Differentiable Likelihoods for Fast Inversion of ‘Likelihood-Free’ Dynamical Systems

H. Kersting (University of Tübingen), N. Krämer (University of Tübingen), M. Schiegg (Bosch Center for Artificial Intelligence), C. Daniel (Bosch Center for Artificial Intelligence), M. Schober (Bosch Center for Artificial Intelligence), P. Hennig (University of Tübingen, Max Planck Institute for Intelligent Systems)

6. [Being Bayesian, Even Just a Bit, Fixes Overconfidence in ReLU Networks](#)

A. Kristiadi (University of Tübingen), M. Hein (University of Tübingen), P. Hennig (University of Tübingen, Max Planck Institute for Intelligent Systems)

7. [Weakly-Supervised Disentanglement Without Compromises](#)

F. Locatello (ETH Zurich, Max Planck Institute for Intelligent Systems), B. Poole (Google Brain), Gunnar Raetsch (ETH Zurich), B. Schölkopf (Max Planck for Intelligent Systems), O. Bachem (Google Brain), M. Tschannen (Google Brain)

8. Too Relaxed to Be Fair

M. Lohaus (University of Tübingen), M. Perrot (Université Jean Monnet), U. von Luxburg (University of Tübingen, Max Planck Institute for Intelligent Systems)

9. [Stochastic Frank-Wolfe for Constrained Finite-Sum Minimization](#)

G. Negiar (UC Berkeley), G. Dresdner (ETH Zürich), A. Yi-Ting Tsai (University of California, Berkeley), L. El Ghaoui (UC Berkeley), F. Locatello (ETH Zürich, Max Planck Institute for Intelligent Systems), F. Pedregosa (Google)

10. NetGAN without GAN: From Random Walks to Low-Rank Approximations

L. Rendsburg (University of Tübingen), Holger Heidrich (University of Tübingen), U. von Luxburg (University of Tübingen, Max Planck Institute for Intelligent Systems)

11. [Confidence-Calibrated Adversarial Training: Generalizing to Unseen Attacks](#)

D. Stutz (Max Planck Institute for Informatics), Matthias Hein (University of Tübingen), Bernt Schiele (MPI Informatics)

12. Influenza forecasting framework based on Gaussian processes

C. Zimmer (Bosch Center for Artificial Intelligence BCAl), R. Yaesoubi (Health Policy and Management, Yale School of Public Health)