

TUTORIALS

Title (Program)	Organizers	Tutorial Website	Date	Schedule
Deep Learning and Multiple Drone Vision	Ioannis Pitas	http://icarus.csd.auth.gr/cvpr2020-tutorial-deep-learning-and-multiple-drone-vision/	19-Jun	Half-day (morning)
RANSAC in 2020	Jiri Matas, Ondrej Chum, Tat-Jun Chin, René Ranftl, Dmytro Mishkin, Dániel Baráth	http://cmp.felk.cvut.cz/cvpr2020-ransac-tutorial/	14-Jun	Full-day
Vision Models for Emerging Media Technologies and Their Impact on Computer Vision	Marcelo Bertalmío	https://www.upf.edu/web/marcelo-bertalmio/cvpr-2020-tutorial	19-Jun	Half-day (afternoon)
Visual Recognition for Images, Video, and 3D	Saining Xie, Ross Girshick, Alexander Kirillov, Yuxin Wu, Christoph Feichtenhofer, Haoqi Fan, Georgia Gkioxari, Justin Johnson, Nikhila Ravi, Piotr Dollár, Wan-Yen Lo	http://s9xie.github.io/Tutorials/CVPR2020/	15-Jun	Full-day
Image Retrieval in the Wild	Yusuke Matsui, Takuma Yamaguchi, Zheng Wang	https://matsui528.github.io/cvpr2020_tutorial_retrieval/	19-Jun	Half-day (morning)
Large Scale Holistic Video Understanding	Mohsen Fayyaz, Ali Diba, Vivek Sharma, Manohar Paluri, Jürgen Gall, Rainer Stiefelhagen, Luc van Gool	https://holistic-video-understanding.github.io/tutorials/cvpr2020.html	19-Jun	Full-day
Contactless Health Monitoring With AI	Wenjin Wang, Gerard de Haan, Shiwen Mao, Xuyu Wang, Mingmin Zhao	https://sites.google.com/view/cvpr2020tutorial	19-Jun	Half-day (afternoon)
Neural Rendering	Ayush Tewari, Ohad Fried, Justus Thies, Vincent Sitzmann, Stephen Lombardi, Kalyan Sunkavalli, Ricardo Martin-Brualla, Tomas Simon, Jason Saragih, Matthias Nießner, Rohit K. Pandey, Sean Fanello, Gordon Wetzstein, Jun-Yan Zhu, Christian Theobalt, Maneesh Agrawala, Eli Shechtman, Dan B. Goldman, Michael Zollhöfer	https://www.neuralrender.com/	15-Jun	Full-day
Interpretable Machine Learning for Computer Vision	Bolei Zhou	https://interpretablevision.github.io/	15-Jun	Half-day (morning)
Automated Machine Learning Workflow for Distributed Big Data Using Analytics Zoo	Jason Dai	https://jason-dai.github.io/cvpr2020/	19-Jun	Half-day (afternoon)

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Zeroth Order Optimization: Theory and Applications to Deep Learning	Pin-Yu Chen, Sijia Liu	https://sites.google.com/umich.edu/cvpr-2020-zoo	15-Jun	Half-day (afternoon)
Vision Meets Mapping 2 – Computer Vision for Location-Based Reasoning and Mapping	Xiang Ma	https://visionmeetsmapping.github.io/	19-Jun	Half-day (morning)
Disentangled 3D Representations for Relightable Performance Capture of Humans	Sean Fanello, Christoph Rhemann, Jonathan Taylor, Sofien Bouaziz, Adarsh Kowdle, Rohit Pandey, Sergio Orts-Escolano, Paul Debevec, Shahram Izadi	https://augmentedperception.github.io/cvpr2020/	14-Jun	Full-day
Recent Advances in Vision-and-Language Research	Zhe Gan, Licheng Yu, Yu Cheng, Jingjing Liu, Xiaodong He	https://rohit497.github.io/Recent-Advances-in-Vision-and-Language-Research/	15-Jun	Half-day (afternoon)
Learning and Understanding Single Image Depth Estimation in the Wild	Matteo Poggi, Fabio Tosi, Filippo Aleotti, Stefano Mattoccia, Clement Godard, Michael Firman, Jamie Watson, Gabriel Brostow	https://sites.google.com/view/cvpr-2020-depth-from-mono/home	15-Jun	Half-day (morning)
3D Face Modeling and Reconstruction	Claudio Ferrari, Stefano Berretti, Alberto Del Bimbo	https://sites.google.com/unifi.it/3dface-tutorial-cvpr20	15-Jun	Half-day (morning)
Efficient Data Annotation for Self-Driving Cars via Crowdsourcing on a Large-Scale	Alexey Drutsa, Denis Rogachevsky, Olga Megorskaya, Anton Slesarev, Evfrosiniya Zerminova, Daria Baidakova, Andrey Rykov, Alexey Golomedov	https://research.yandex.com/tutorials/crowd/cvpr-2020	15-Jun	Full-day
Learning Representations via Graph-Structured Networks	Xiaolong Wang, Sifei Liu, Saining Xie, Shubham Tulsiani, Chen Sun, Han Hu, Jan Kautz, Ming-Hsuan Yang, Abhinav Gupta, Trevor Darrell	https://xiaolonw.github.io/graphnnv2/	14-Jun	Half-day (afternoon)
How to Write a Good Review?	Laura Leal-Taixé, Torsten Sattler	https://sites.google.com/view/making-reviews-great-again/	14-Jun	Half-day (morning)
Neuro-Symbolic Visual Reasoning and Program Synthesis	Jiayuan Mao, Kevin Ellis, Chuang Gan, Jiajun Wu, Danny Gutfreund, Josh Tenenbaum	http://nscv.csail.mit.edu	14-Jun	Half-day (morning)
A Comprehensive Tutorial on Video Modeling	Yi Zhu, Zhi Zhang, Yuanjun Xiong, Mu Li	https://cvpr20-video.mxnet.io	14-Jun	Half-day (morning)

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Towards Annotation-Efficient Learning: Few-Shot, Self-Supervised, and Incremental Learning Approaches	Spyros Gidaris, Karteek Alahari, Andrei Bursuc, Relja Arandjelović	https://annotation-efficient-learning.github.io/	19-Jun	Half-day (morning)
Novel View Synthesis: From Depth-Based Warping to Multi-Plane Images and Beyond	Orazio Gallo, Alejandro Troccoli, Varun Jampani	https://nvlabs.github.io/nvs-tutorial-cvpr2020/	14-Jun	Full-day
All You Need to Know About Self-Driving	Ersin Yumer, Raquel Urtasun	http://www.allaboutselfdriving.com/	14-Jun	Full-day
Cycle Consistency and Synchronization in Computer Vision	Tolga Birdal, Qixing Huang, Federica Arrigoni, Leonidas Guibas	http://synchinvision.github.io	14-Jun	Half-day (morning)
From NAS to HPO: Automated Deep Learning	Hang Zhang, Song Han, Matthias Seeger, Mu Li	http://hangzhang.org/CVPR2020/	15-Jun	Half-day (afternoon)
Fairness Accountability Transparency and Ethics and Computer Vision	Timnit Gebru, Emily Denton	https://sites.google.com/fatecv-tutorial	19-Jun	Half-day (afternoon)
Local Features: From SIFT to Differentiable Methods	Vassileios Balntas, Dmytro Mishkin, Edgar Riba	https://local-features-tutorial.github.io/	15-Jun	Half-day (morning)
Visual Physics: The Interplay Between Physics and Computer Vision	Achuta Kadambi, William Freeman, Katerina Fragkiadaki, Laura Waller, Ayan Chakrabarti	https://visual.ee.ucla.edu/visualphysicstutorial.htm	19-Jun	Half-day (afternoon)

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