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Disciplina	006.37
Soggetti	Computer vision Computer engineering Computer networks Artificial intelligence Pattern recognition systems Application software Computer Vision Computer Engineering and Networks Artificial Intelligence Automated Pattern Recognition Computer and Information Systems Applications Visió per ordinador Reconeixement de formes (Informàtica) Congressos Llibres electrònics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Applications of Computer Vision, Vision for X -- Query by Strings and Return Ranking Word Regions with Only One Look -- Single-Image Camera Response Function Using Prediction Consistency and Gradual Refinement -- FootNet: An efficient convolutional network for

multiview 3D foot reconstruction -- Synthetic-to-real domain adaptation for lane detection -- RAF-AU Database: In-the-Wild Facial Expressions with Subjective Emotion Judgement and Objective AU Annotations -- DoFNet: Depth of Field Difference Learning for Detecting Image Forgery -- Explaining image classifiers by removing input features using generative models -- Do We Need Sound for Sound Source Localization? -- Modular Graph Attention Network for Complex Visual Relational Reasoning -- CloTH-VTON: Clothing Three-dimensional reconstruction for Hybrid image-based Virtual Try-ON -- Multi-label X-ray Imagery Classification via Bottom-up Attention and Meta Fusion -- Learning End-to-End Action Interaction by Paired-Embedding Data Augmentation -- Sketch-to-Art: Synthesizing Stylized Art Images From Sketches -- Road Obstacle Detection Method Based on an Autoencoder with Semantic Segmentation -- SpotPatch: Parameter-Efficient Transfer Learning for Mobile Object Detection -- Trainable Structure Tensors for Autonomous Baggage Threat Detection Under Extreme Occlusion -- Audiovisual Transformer with Instance Attention for Audio-Visual Event Localization -- Watch, read and lookup: learning to spot signs from multiple supervisors -- Domain-transferred Face Augmentation Network -- Pose Correction Algorithm for Relative Frames between Keyframes in SLAM -- Dense-Scale Feature Learning in Person Re-Identification -- Class-incremental Learning with Rectified Feature-Graph Preservation -- Patch SVDD: Patch-level SVDD for Anomaly Detection and Segmentation -- Towards Robust Fine-grained Recognition by Maximal Separation of Discriminative Features -- Visually Guided Sound Source Separation using Cascaded Opponent Filter Network -- Channel Recurrent Attention Networks for Video Pedestrian Retrieval -- In Defense of LSTMs for Addressing Multiple Instance Learning Problems -- Addressing Class Imbalance in Scene Graph Parsing by Learning to Contrast and Score -- Show, Conceive and Tell: Image Captioning with Prospective Linguistic Information -- Datasets and Performance Analysis -- RGB-T Crowd Counting from Drone: A Benchmark and MMCCN Network -- Weby Supervised Semantic Embeddings for Large Scale Zero-Shot Learning -- Compensating for the Lack of Extra Training Data by Learning Extra Representation -- Class-Wise Difficulty-Balanced Loss for Solving Class-Imbalance -- OpenTraj: Assessing Prediction Complexity in Human Trajectories Datasets -- Pre-training without Natural Images -- TTPLA: An Aerial-Image Dataset for Detection and Segmentation of Transmission Towers and Power Lines -- A Day on Campus - An Anomaly Detection Dataset for Events in a Single Camera -- A Benchmark and Baseline for Language-Driven Image Editing -- Self-supervised Learning of Orc-Bert Augmentator for Recognizing Few-Shot Oracle Characters -- Understanding Motion in Sign Language: A New Structured Translation Dataset -- FreezeNet: Full Performance by Reduced Storage Costs.

Sommario/riassunto

The six volume set of LNCS 12622-12627 constitutes the proceedings of the 15th Asian Conference on Computer Vision, ACCV 2020, held in Kyoto, Japan, in November/ December 2020.* The total of 254 contributions was carefully reviewed and selected from 768 submissions during two rounds of reviewing and improvement. The papers focus on the following topics: Part I: 3D computer vision; segmentation and grouping Part II: low-level vision, image processing; motion and tracking Part III: recognition and detection; optimization, statistical methods, and learning; robot vision Part IV: deep learning for computer vision, generative models for computer vision Part V: face, pose, action, and gesture; video analysis and event recognition; biomedical image analysis Part VI: applications of computer vision;

vision for X; datasets and performance analysis *The conference was held virtually.
