

# 2020 Index

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This index covers all technical items—papers, correspondence, reviews, etc.—that appeared in this periodical during 2020, and items from previous years that were commented upon or corrected in 2020. Departments and other items may also be covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Note that the item title is found only under the primary entry in the Author Index.

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- ZoomCount: A Zooming Mechanism for Crowd Counting in Static Images. *Sajid, U., +, TCSV Oct. 2020 3499-3512*
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- A Memory-Efficient Hardware Architecture for Connected Component Labeling in Embedded System. *Zhao, C., +, TCSV Sept. 2020 3238-3252*
- Bilinear Supervised Hashing Based on 2D Image Features. *Ding, Y., +, TCSV Feb. 2020 590-602*
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- Detecting Double JPEG Compressed Color Images With the Same Quantization Matrix in Spherical Coordinates. *Wang, J., +, TCSVT Aug. 2020 2736-2749*
- Diversity-Based Cascade Filters for JPEG Steganalysis. *Feng, G., +, TCSVT Feb. 2020 376-386*
- Downscaling Factor Estimation on Pre-JPEG Compressed Images. *Liu, X., +, TCSVT March 2020 618-631*
- Efficient Rationalization of Triplet Halfband Filter Banks and its Application to Image Compression. *Gawande, J.P., +, TCSVT Nov. 2020 4020-4033*
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- Toward Variable-Rate Generative Compression by Reducing the Channel Redundancy. *Han, C., +, TCSVT July 2020 1789-1802*
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- Deep Frame Prediction for Video Coding. *Choi, H., +, TCSVT July 2020 1843-1855*
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- A VVC Proposal With Quaternary Tree Plus Binary-Ternary Tree Coding Block Structure and Advanced Coding Techniques. *Huang, Y., +, TCSVT May 2020 1311-1325*
- Background Modeling in the Fourier Domain for Maritime Infrared Target Detection. *Zhou, A., +, TCSVT Aug. 2020 2634-2649*
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- Efficient Debanding Filtering for Inverse Tone Mapped High Dynamic Range Videos. *Song, Q., +, TCSVT Aug. 2020 2575-2589*
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- Ontology-Based Global and Collective Motion Patterns for Event Classification in Basketball Videos. *Wu, L., +, TCSVT July 2020 2178-2190*
- Rate-Accuracy Trade-Off in Video Classification With Deep Convolutional Neural Networks. *Jubran, M., +, TCSVT Jan. 2020 145-154*
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- Simultaneous Estimation of Defocus and Motion Blurs From Single Image Using Equivalent Gaussian Representation. *Kumar, H., +, TCSVT Oct. 2020 3571-3583*
- Small Object Detection in Unmanned Aerial Vehicle Images Using Feature Fusion and Scaling-Based Single Shot Detector With Spatial Context Analysis. *Liang, X., +, TCSVT June 2020 1758-1770*
- Spatial-Temporal Context-Aware Online Action Detection and Prediction. *Huang, J., +, TCSVT Aug. 2020 2650-2662*
- Spatio-Temporal Deep Q-Networks for Human Activity Localization. *Xu, W., +, TCSVT Sept. 2020 2984-2999*
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- Sports Video Captioning via Attentive Motion Representation and Group Relationship Modeling. *Qi, M., +, TCSVT Aug. 2020 2617-2633*
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- Video Salient Object Detection via Robust Seeds Extraction and Multi-Graphs Manifold Propagation. *Xu, M., +, TCSVT July 2020 2191-2206*
- Visual Object Tracking via Guessing and Matching. *Song, K., +, TCSVT Nov. 2020 4182-4191*
- When Correlation Filters Meet Siamese Networks for Real-Time Complementary Tracking. *Li, D., +, TCSVT Feb. 2020 509-519*
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- Binary Image Steganalysis Based on Histogram of Structuring Elements. *Lu, W., +, TCSVT Sept. 2020 3081-3094*
- Blind Quality Assessment for Cartoon Images. *Chen, Y., +, TCSVT Sept. 2020 3282-3288*
- Data Augmentation Using Random Image Cropping and Patching for Deep CNNs. *Takahashi, R., +, TCSVT Sept. 2020 2917-2931*
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- Low CP Rank and Tucker Rank Tensor Completion for Estimating Missing Components in Image Data. *Liu, Y., +, TCSVT April 2020 944-954*
- Missing Low-Rank and Sparse Decomposition Based on Smoothed Nuclear Norm. *Azghani, M., +, TCSVT June 2020 1550-1558*
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- Cross-Entropy Adversarial View Adaptation for Person Re-Identification. *Wu, L., +, TCSVT July 2020 2081-2092*
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- Image Description With Polar Harmonic Fourier Moments. *Wang, C., +, TCSVT Dec. 2020 4440-4452*
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- Image Correspondence With CUR Decomposition-Based Graph Completion and Matching. *Khan, S., +, TCSVT Sept. 2020 3054-3067*
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- Power-Constrained Image Contrast Enhancement Through Sparse Representation by Joint Mixed-Norm Regularization. *Yin, J., +, TCSVT Aug. 2020 2477-2488*
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- Semi-Heterogeneous Three-Way Joint Embedding Network for Sketch-Based Image Retrieval. *Lei, J., +, TCSVT Sept. 2020 3226-3237*
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- FilterNet: Adaptive Information Filtering Network for Accurate and Fast Image Super-Resolution. *Li, F., +, TCSVT June 2020 1511-1523*

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- A Pseudo-Blind Convolutional Neural Network for the Reduction of Compression Artifacts. *Kim, Y., +, TCSVT April 2020 1121-1135*
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- Depth-Aware Motion Deblurring Using Loopy Belief Propagation. *Sheng, B., +, TCSVT April 2020 955-969*
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- Color-Guided Depth Image Recovery With Adaptive Data Fidelity and Transferred Graph Laplacian Regularization. *Zhang, Y., +, TCSVT Feb. 2020 320-333*
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## Q

### Q factor

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