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Autore	Zhai Guangtao
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Altri autori (Persone)	ZhouJun YeLong YangHua AnPing YangXiaokang
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Soggetti	Multimedia systems Application software Artificial intelligence Image processing - Digital techniques Computer vision Multimedia Information Systems Computer and Information Systems Applications Artificial Intelligence Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	-- Image Processing. -- AquaSAM: Underwater Image Foreground Segmentation. -- RAUNE-Net: A Residual and Attention-Driven Underwater Image Enhancement Method. -- Depth Map Super-Resolution via Asymmetrically Guided Feature Selection and Spatial Affine Transformation. -- Welding Defect Detection Using X-ray Images Based on Deep Segmentation Network. -- Wide Activation

Fourier Channel Attention Network for Super-Resolution. -- LightNet+: Boosted Light-weighted Network for Smoke Semantic Segmentation. -- Local Dynamic Filter Network for Low-Light Enhancement and Deblurring. -- Spatial-Angular Decoupling Interaction Networks for Light Field Angular Super-Resolution. -- Coding Prior-Driven JPEG Image Artifact Removal. -- Media Computing. -- Where to Forget: A New Attention Stability Metric for Continual Learning Evaluation. -- Unbiased Image Caption Generation Based on Dynamic Counterfactual Inference. -- Modeling and Analysis of Rumor Propagation Dynamics in Social Media. -- Bridging Recommendations Across Domains: An Overview of Cross-Domain Recommendation. -- Sequence Modeling Based Data Augmentation for Micro-Expression Recognition. -- Dual Transformer with Gated-Attention Fusion for News Disaster Image Captioning. -- Constructing Personal Knowledge Graph from Conversation via Deep Reinforcement Learning. -- Exploring the Efficacy of Interactive Digital Humans in Cultural Communication. -- Metaverse and Virtual Reality. -- EHA3D: Expressive Head Avatar via Disentangled Latent Code. -- Motion-Aware Topology Learning for Skeleton-Based Action Recognition. -- MFNCA: Multi-level Fusion Network Based on Cross Attention for 3D Point Cloud Object Detection. -- ART-InvRec: Acquiring Rotation Invariance of 3D Object Reconstruction via Adversarial Rotation. -- Multi-View Object Classification Based on Deep Models. -- Combined Particle Filter and Its Application on Human Pose Estimation. -- A Human Posture Estimation Method for Image Interaction System Based on ECA. -- PU-SSIM: A Perceptual Constraint for Point Cloud Up-Sampling. -- Quality Enhancement via Spatial-Angular Deformable Convolution for Compressed Light Field. -- Multimedia Communication. -- Link-Breakage Recovery Strategies for Tactical MANET Based on OLSR. -- Design of Distributed Synchronization Header for Short Burst Communication with Low Earth Orbit Satellites. -- User Preferences Based Preloading and ABR Algorithm for Short Video Streaming.

Sommario/riassunto

This book constitutes the refereed proceedings of the 20th International Forum on Digital Multimedia Communication, IFTC 2023, held in Beijing, China, December 21–22, 2023. The 57 full papers included in this book were carefully reviewed and selected from 150 submissions. They were organized in topical sections as follows: CCIS 2066: Image Processing, Media Computing, Metaverse and Virtual Reality, and Multimedia Communication. CCIS 2067: Quality Assessment, Source Coding, and Application of AI.