

ACM SIGGRAPH VRCAI 2022 AGENDA OVERVIEW

| Date | Start Time | End Time | Events | Paper ID | Presenter | Affiliation | Title |
|------------------|------------|----------|--|----------|--------------------------|--|---|
| 27-Dec-22 | | | | | | | |
| | 9:00 | 9:20 | Opening Ceremony | | | | |
| | 9:20 | 10:20 | Keynote Speech | | Kang Zhang | The Hong Kong University of Science and Technology (Guangzhou) & The Hong Kong University of Science and Technology | Realistic and Immersive Experiences in Massive Open Metaverse Courses (MOMC) |
| | 10:20 | 10:30 | Break | | | | |
| | 10:30 | 10:45 | S1. Applications-I | 1204 | Liqing Gao | Tianjin University | Multi-View Fusion for Sign Language Recognition through Knowledge Transfer Learning |
| | 10:45 | 11:00 | S1. Applications-I | 5904 | Junhao Lin | Xiamen University | Spatial-temporal Fusion Network for Fast Video Shadow Detection |
| | 11:00 | 11:15 | S1. Applications-I | 3563 | Neil Patrick Del Gallego | De La Salle University | A Comparative Study of Two Marker-Based Mobile Augmented Reality Applications for Demonstrating 3D Anamorphic Illusions |
| | 11:15 | 11:30 | S1. Applications-I | 8715 | Mei Wang | Nanjing University of Information Science and Technology | Robust Anomaly Detection and Localization via Simulated Anomalies |
| | 11:30 | 14:00 | Lunch Break | | | | |
| | 14:00 | 15:00 | Keynote Speech 2 | | Song Wang | University of South Carolina | Collaborative Video Analysis of Multiple Moving Cameras |
| | 15:00 | 15:15 | S2. Applications & Systems | 2143 | Ze Gao | The Hong Kong University of Science and Technology | Bridging Curatorial Intent and Visiting Experience: Using AR Guidance as a Storytelling Tool |
| | 15:15 | 15:30 | S2. Applications & Systems | 8396 | Jianwei Guo | Institute of Automation, Chinese Academy Of Sciences | Contour-constrained Specular Highlight Detection from Real-world Images |
| | 15:30 | 15:45 | S2. Applications & Systems | 9135 | Zexi Wang | Xiamen University | Digital Twin System for Propulsion Design of UAVs |
| | 15:45 | 16:00 | Poster & Demo-Interactions and Interfaces | 9698 | Feng Liu | East China Normal University | A Study of Eye Tracking Emotion Evoking Interaction Based on Go/No-Go Paradigm VR Demonstration |
| | 16:00 | 16:15 | Poster & Demo-Interactions and Interfaces | 172 | Anqi Wang | The Hong Kong University of Science and Technology | Envisioning A Hyper-Learning System in the Age of Metaverse |
| 28-Dec-22 | | | | | | | |
| | 9:00 | 10:00 | Keynote Speech 3 | | Bin Sheng | Shanghai Jiao Tong University | Deep Learning-based Parallel Rendering for Metaverse |
| | 10:00 | 10:15 | S3. Fundamentals-I | 177 | Yinghan Shi | NorthWest A&F University | Grasping 3D Objects With Virtual Hand in VR Environment |
| | 10:15 | 10:30 | S3. Fundamentals-I | 223 | Yu Zhou | East China University of Science and Technology | EHA-Transformer: Efficient and Haze-Adaptive Transformer for Single Image Dehazing |
| | 10:30 | 10:45 | S3. Fundamentals-I | 257 | Chen Yang | Wuhan Textile University | Unsupervised Embroidery Generation Using Embroidery Channel Attention |
| | 10:45 | 11:00 | S3. Fundamentals-I | 3930 | Mingchuang Zhang | Zhengzhou University | Crowd Evacuation Conflicts Simulation Based Cellular Automaton Integrating Game Theory |
| | 11:00 | 11:15 | S3. Fundamentals-I | 1127 | Weikang You | Peking University | Semantic-assisted Unified Network for Feature Point Extraction and Matching |
| | 11:15 | 14:00 | Lunch Break | | | | |
| | 14:00 | 15:00 | Keynote Speech 4 | | Jing Qin | The Hong Kong Polytechnic University | Enhancing Representation Capability of Deep Learning Models for Medical Image Analysis under Limited Training Data |
| | 15:00 | 15:15 | S4. Fundamentals-II | 1305 | Jie Zhang | The Hong Kong Polytechnic University | 3DCMM: 3D Comprehensive Morphable Models for Accurate Head Completion |
| | 15:15 | 15:30 | S4. Fundamentals-II | 1678 | Zhiqiang Xing | China Academy of Art | Asset Cloud - China Codes:Design of the Digital Identity Codes of State-owned Assets of China |
| | 15:30 | 15:45 | S4. Fundamentals-II | 3035 | Ishan Sharma | South China University of Technology | A Novel Clustering-Based Image Inpainting Model Using the Loermgan Algorithm |

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| | 15:45 | 16:00 | S4. Fundamentals-II | 5479 | Hao Xu | Institute of Automation, Chinese Academy Of Sciences | 3D Grasp Pose Generation from 2D Anchors and Local Surface |
| | 16:00 | 16:15 | S4. Fundamentals-II | 610 | Ziyi Zhang | Wuhan Textile University | MMTrans: MultiModal Transformer for realistic video virtual try-on |
| | 16:15 | 16:25 | Break | | | | |
| | 16:25 | 16:40 | S5. Fundamentals-III | 3958 | Jingbo Zhao | China Agricultural University | Real-time Generation of Leg Animation for Walking-in-place Techniques |
| | 16:40 | 16:55 | S5. Fundamentals-III | 4932 | Xiaoyun Ji | Shanghai Institute of Technology | Monocular Human Body Shape Estimation: A Generation-aid Approach |
| | 16:55 | 17:10 | S5. Fundamentals-III | 8178 | Zening Men | Beijing University of Technology | A Novel Scheme to Developing Printing Protocol with the Required Surface Roughness |
| | 17:10 | 17:25 | S5. Fundamentals-III | 5797 | Guoshuai Li | Beijing Institute of Space Mechanics & Electricity | Arbitrary Style Transfer with Semantic Content Enhancement |
| | 17:25 | 17:40 | S5. Fundamentals-III | 5280 | Zheng Zhang | National University of Defense Technology | Dynamic Surface Capture for Human Performance by Fusion of Silhouette and Multi-view Stereo |
| 29-Dec-22 | | | | | | | |
| | 9:00 | 10:00 | Keynote Speech 5 | | Johan F. Hoorn | The Hong Kong Polytechnic University | Coexistence and Consistence of the Virtual and the Physical World: Avatars and Robots |
| | 10:00 | 10:15 | S6. Interactions and Interfaces-I | 7068 | Dixuan Cui | Purdue University | Evaluating the Sense of Embodiment through Out-of-Body Experience and Tactile Feedback |
| | 10:15 | 10:30 | S6. Interactions and Interfaces-I | 3544 | Wanwan Li | University of South Florida | PM4VR: A Scriptable Parametric Modeling Interface for Conceptual Architecture Design in VR |
| | 10:30 | 10:45 | S6. Interactions and Interfaces-I | 4254 | Chengsi Yi | Boston University | Exploring the Effect of Navigation Tool Design on Virtual Environment's Navigation and Revisiting Experience |
| | 10:45 | 11:00 | S6. Interactions and Interfaces-I | 823 | Yiming Luo | Xi'an Jiaotong-Liverpool University | Teleoperation of a Fast, Omnidirectional Unmanned Ground Vehicle in the Cyber-Physical World via a VR Interface |
| | 11:00 | 11:15 | S6. Interactions and Interfaces-I | 5182 | Yuze Shen | Hangzhou Normal University | Touch Trick the mind: Haptic Display Augmented the Mind-Map of internal locus of control |
| | 11:15 | 14:00 | Lunch Break | | | | |
| | 14:00 | 14:15 | S7. Fundamentals-IV | 2023 | Lidong Zhao | Beijing University of Technology | Simulation of resin filling distance during the pulling-up stage for rapid DLP printing |
| | 14:15 | 14:30 | S7. Fundamentals-IV | 7172 | Hu Lin | Dalian University of Technology | 6-DoF Pose Relocalization for Event Cameras With Entropy Frame and Attention Networks |
| | 14:30 | 14:45 | S7. Fundamentals-IV | 7386 | Liu hao Yu | Guangzhou University | SWA-Net: a Whole New Models and Data AutoAugment for Visual Task |
| | 14:45 | 15:00 | S7. Fundamentals-IV | 3885 | Johan Hoorn | The Hong Kong Polytechnic University | Computer-vision Classification-algorithms Are Inherently Creative When Error-prone |
| | 15:00 | 15:10 | Break | | | | |
| | 15:10 | 15:25 | S8. Interactions and Interfaces-II | 2968 | Hai-Ning Liang | Xi'an Jiaotong-Liverpool University | A Low-cost Efficient Approach to Synchronize Real-world and Virtual-world Objects in VR via In-built Cameras |
| | 15:25 | 15:40 | S8. Interactions and Interfaces-II | 5318 | Zhipeng Pan | Hangzhou Normal University | Exploring the Use of Smartphones as Input Devices for the Mixed Reality Environment |
| | 15:40 | 15:55 | S8. Interactions and Interfaces-II | 3349 | Chao Ge | University of Yamanashi | A Study on Contextual Task Performance of Simulated Homonymous Hemianopia Patients with Computational Glasses-based Compensation |
| | 15:55 | 16:10 | S8. Interactions and Interfaces-II | 8008 | Xinyi Liu | Xi'an Jiaotong-Liverpool University | Exploring Text Selection in Augmented Reality Systems |
| | 16:10 | 16:25 | S8. Interactions and Interfaces-II | 8494 | Bin Hu | Macau University of Science and Technology | Graphic Design and Evaluation of an Augmented Reality for Advergame |
| | 16:25 | 16:55 | Closing Ceremony | | | | |