

MAPR 2021 Conference Agenda

PROGRAM AT GLANCE

Day 1: October 15th, 2021	
09:00am-09:15am	Opening and Welcome Addresses
09:15am-10:00am	Keynote 1
10:00am-10:45am	Session 1-A: Multimedia Analysis (3)
10:45am-11:00am	Coffee Break
11:00am-12:00pm	Session 1-B: Pattern Recognition (4)
12:00pm-01:30pm	Lunch Break
01:30pm-02:15pm	Keynote 2
02:15pm-03:15pm	Session 1-C: Multimedia Technology (4)
03:30pm-03:45pm	Coffee Break
03:45pm-05:00pm	Session 1-D: Text and Language Processing Techniques (5)
Day 2: October 16th, 2021	
09:00am-10:15am	Session 2-A: Object Detection (5)
10:15am-10:30am	Coffee Break
10:30am-11:15am	Session 2-B: Deep Learning for Multimedia Analysis (3)
11:30am-12:00pm	Best Paper Awards and Closing Ceremonies

October 15th, 2021
Place: Online using Zoom Meeting

08:30am-09:00am	Registration
09:00am-09:15am	<p>Opening and Welcome Addresses</p> <p><i>Welcome speech</i>, Prof. Jean-Marc Lavest, USTH, General Co-Chair <i>Conference summary</i>, Prof. Duc-Dung Nguyen, PC Co-Chair</p>
09:15am-10:00am	<p>Keynote 1:</p> <p>Speaker: Prof. Inseop Na, National Program of Excellence in Software Center and Major of AI-Convergence, Korea</p> <p>Chair: Prof. Dinh-Duy Le, UIT</p>
10:00am-10:45am	<p>Session 1-A: Multimedia Analysis (3)</p> <p>Chair: Prof. Duc-Thanh Ngo, Uni. of Information Technology, Vietnam</p> <p>Viet-Duc Le, Van Nam Hoang, Tien-Thanh Nguyen, Le Van Hung, Thanh-Hai Tran, Hai Vu and Thi-Lan Le, "A Unified Deep Framework for Hand Pose Estimation and Action Recognition from First-Person RGB Videos"</p> <p>Thang Hoang Dinh, Long Tran Quoc and Kien Thai Trung, "Siamese Attention and Point Adaptive Network for Visual Tracking"</p> <p>Thanh T. H. Duong, Manh Nguyen Huu, Hai Nghiem Thi, Thi-Lan Le, Phi-Le Nguyen and Quoc-Cuong Nguyen, "Visual-Guided Audio Source Separation: An Empirical Study".</p>
10:45am-11:00am	Coffee Break
11:00am-12:00pm	<p>Session 1-B: Pattern Recognition (4)</p> <p>Chair: Prof. Hai Vu, HUST</p> <p>Dang Nguyen Minh, Anh Tien Nguyen, Hieu Minh Tran, Nhan Trong Le and Tho Thanh Quan, "Physical Transferable Attack Against Black-Box face Recognition Systems"</p> <p>Tuan Dung Pham, Thi Thanh Thuy Pham, Sỹ Tương Hoàng and Viet Cuong Ta, "Exploring Efficiency of GAN-based Generated URLs for Phishing URL Detection"</p> <p>Ngoc Phu Doan, Nguyen Duc Anh Pham, Hung Manh Pham, Huu Trung Nguyen, Thuy Anh Nguyen and Huy Hoang Nguyen, "Real-Time Sleeping Posture Recognition For Smart Hospital Beds".</p> <p>Khanh Nguyen, Dan Pham Van and Van Pham Thi Bich "An Efficient Method To Improve The</p>

	Accuracy Of Vietnamese Vehicle License Plate Recognition In Unconstrained Environment”
12:00pm-01:30pm	Lunch Break
01:30pm-02:15pm	Keynote 2: Robust and multilingual analysis of digitised documents - a use case with historical newspapers Speaker: Prof. Antoine Doucet, L3i Laboratory, University of La Rochelle, France Chair: Prof. Giang-Son Tran, USTH
02:15pm-03:15pm	Session 1-C: Multimedia Technology (4) Chair: Prof. Thanh-Hai Tran, HUST Huệ Tạ Kim, Linh Nguyễn Thùy and Minh Nguyễn Đức and Manh-Thang Hoang, “Data Hiding in Bit-plane Medical Image Using Chaos-based Steganography” Ngoc Khanh Nguyen, Thanh Danh Nguyen and Vinh Tiep Nguyen, “A More Focus on Multi-degradation Method for Single Image Super-Resolution” Danh-Huy Vu, Van-Tuan Nguyen, Long-Thuy Nguyen, Thanh-Hai Tran, Viet-Hang Dao and Hai Vu, “Boundary Delineation Of Reflux Esophagitis Lesions From Endoscopic Images Using Color And Texture” Duc-Tuan Luu, Ngoc-Khanh Nguyen, Quoc-Tuan Dong, Lam-Quynh Nguyen, Vinh-Tiep Nguyen and Minh-Triet Tran, “Beauty Moment Rendering via Face Happiness Scoring”
03:30pm-03:45pm	Coffee Break
03:45pm-05:00pm	Session 1-D: Text and Language Processing Techniques (5) Chair: Prof. Chi-Mai Lương, VAST Dang Van Thin, Phan Thi Kim Khoa, Duong Ngoc Hao and Ngan Nguyen, “Exploring Zero-shot Cross-lingual Aspect-based Sentiment Analysis using Pre-trained Multilingual Language Models” Sang Dinh and Thu Lam Xuan, “FastTacotron: A Fast, Robust and Controllable Method for Speech Synthesis” Manh Khanh Ngo Huu, Sy-Tuyen Ho, Vinh-Tiep Nguyen and Thanh Duc Ngo, “Multilingual-GAN: A Multilingual GAN-based Approach for Handwritten Generation” Minh-Thang Nguyen, Thi-Lan Le, Thi Lan Huong Nguyen and Nguyen Thu Ha, “DS-Yolov5: Deformable and Scalable Yolov5 for Mathematical Formula Detection in Scientific Documents” Minh Tran, Tri Pham, Tien Nguyen, Tien Do and Thanh Ngo, “A Robust Framework For Mathematical Formula Detection”

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09:00am-10:15am	<p>Session 2-A: Object Detection (5) Chair: Prof. Thi-Lan Le, HUST</p> <p>Anh Khoa Nguyen Vu, Thanh Danh Nguyen, Vinh Tiep Nguyen and Thanh Duc Ngo, "DF-FSOD: A Novel Approach for Few-shot Object Detection via Distinguished Features".</p> <p>Thi-Oanh Ha, Hoang-Nhat Tran, Hong-Quan Nguyen, Thanh-Hai Tran, Thi-Phuong-Dung Nguyen, Huong-Giang Doan, Van-Toi Nguyen, Hai Vu and Thi-Lan Le, "Improvement of People Counting by Pairing Head and Face Detections from Still Images"</p> <p>Khanh Ho, Huy Bao Le, Khoa Van Nguyen, Thua Nguyen, Tien Do, Thanh Duc Ngo and Son Nguyen Thanh, "Unweighted Bipartite Matching For Robust Vehicle Counting"</p> <p>Hoai Nam Vu, Cuong Pham, Trong Khanh Nguyen, Mai Huong Nguyen, Duc Cuong Pham and Viet Hung Nguyen, "Landslide Detection with Unmanned Aerial Vehicles"</p> <p>Phuong Hoai Nguyen, Huy Hoang Nguyen and Phuong Thi Hoang, "A Deep Learning Based Fracture Detection In Arm Bone X-Ray Images"</p>
10:15am-10:30am	Coffee Break
10:30am-11:15am	<p>Session 2-B: Deep Learning for Multimedia Analysis (3) Chair: Prof. Cuong Pham, PTIT</p> <p>Quoc Trung Pham, Thu Quyen Nguyen, Huy Hoang Nguyen, Duc Minh Nguyen, Phuong Chi Hoang and Quang Hieu Dang, "A review of SNN implementation on FPGA"</p> <p>Thu-Hien Le, Tran Hoang-Nhat, Phuong-Dung Nguyen, Hong-Quan Nguyen, Thuy-Binh Nguyen, Thi-Lan Le, Thanh-Hai Tran and Hai Vu, "Locality and Relative Distance-Aware Non-local Networks for Hand-Raising Detection in Classroom Video"</p> <p>Thu Quyen Nguyen, Quoc Trung Pham, Huy Hoang Nguyen, Duc Minh Nguyen, Phuong Chi Hoang and Quang Hieu Dang, "An Improved Spiking Network Conversion For Image Classification".</p>
11:30am-12:00pm	<p>Best Paper Awards and Closing Ceremonies Chair: Prof. Duc-Dung Nguyen, VAST, Vietnam</p>