

Authors	Title	Book title	Issn	Page	Y/M/D	Address
	<i>Improving ancient Cham recognition from Cham inscription images using data augmentation and transfer learning</i>	International Workshop on Pattern Recognition for Cultural Heritage (PatReCH 2019)			2019	
	<i>Preliminary results to evaluate the capacity of artificial intelligence application in diagnosis of gastric lesions on upper gastrointestinal endoscopy in Vietnam</i>	In Proceeding of Asian Pacific Digestive Week 2019			2019 december	
	<i>Analyzing Role of Joint Subset Selection in Human Action Recognition</i>	6th NAFOSTED Conference on Information and Computer Science (NICS)			2019 december	
	<i>Labelling Stomach Anatomical Locations In Upper Gastrointestinal Endoscopic Images Using a Convolution Neuronal Network</i>	The proceeding of SoICT 2019			2019 december	
	<i>A unified system for mathematical expression detection in scientific document images</i>	Korea-Vietnam International Joint Workshop on Communications and Information Sciences (KICS) 2019			2019 november	
	<i>A fully automated vision-based system for real-time personal protective detection and monitoring</i>	Korea-Vietnam International Joint Workshop on Communications and Information Sciences (KICS) 2019			2019 november	
	<i>Multi-view discriminant analysis for dynamic hand gesture recognition</i>	MAGR: Multi-Sensor for Action and Gesture Recognition, The 5th Asian Conference on Pattern Recognition (ACPR 2019)			2019 november	Auckland, New Zealand
	<i>Comparative evaluation of human detection and tracking approaches for online tracking applications</i>	The International Conference on Advanced Technologies for Communications (ATC)			2019 october	
	<i>Comparative Study of PCA and LDA for Rice Seeds Quality Inspection</i>	In Proceeding of AFRICON 2019			2019 september	
	<i>3D skeleton-based action recognition with convolutional neural networks</i>	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	
	<i>Preliminary Results on Ancient Cham Character Recognition from Cham Inscription Images</i>	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	
	<i>A Quantitative Analysis of the Effect of Human Detection and Segmentation Quality in Person Re-identification Performance</i>	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	
	<i>Mathematical Variable Detection based on Convolutional Neural Network and Support Vector Machine</i>	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	
	<i>Mathematical Variable Detection in PDF Scientific Documents</i>	11th Asian Conference on Intelligent Information and Database Systems (ACIIDS)			2019 april	
2018						
Articles in Peer-Reviewed International Journals						
	<i>Fitting Cylindrical Objects in 3-D Point Cloud Using the Context and Geometrical constraints</i>				2018	
	<i>Images-to-Images Person ReID Without Temporal Linking</i>		ISSN online: 1752-914X, ISSN print: 1752-9131		2018	

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	<i>GCSAC: Geometrical Constraint Sample Consensus for Primitive Shapes Estimation in 3-D Point Cloud</i>		1752-9131		2018	
	<i>Crowdsourcing for botanical data collection towards to automatic plant identification: a review</i>				2018	
	<i>Fusion schemes for image-to-video person re-identification</i>		2475-1839		2018	
	<i>A CONTINUOUS 360° REFLECTION TYPE PHASE SHIFTER WITH LOW LOSS VARIATION AT 2.4GHz FOR INDOOR LOCALIZATION</i>		0973-5763	361--366	2018 august	
	<i>Acquiring qualified samples for RANSAC using geometrical constraints</i>		0167-8655		2018 january	
	<i>Sensibility and Uncertainties Analysis method dedicated to Home Energy Management Problem</i>		0143-6244	50--65	2018 january	
Articles in Peer-Reviewed National Journals						
	<i>Automatic Plant Organs Detection from Images using Convolutional Neural Network (in Vietnamese)</i>				2018	
	<i>Score-based fusion schemes for plant identification from multi-organ images</i>				2018	
	<i>T?i ?u hoá ???ng ch?y dao khi khoan m?ng l? trên b?ng m?ch in nh? ph?i h?p TSP và ACO</i>		1859-0209	40-49	2018 june	
	<i>Fitting spherical objects in 3-D point cloud using the geometrical constraints</i>		1859-0209		2018 april	
International Conference and Workshop papers						
	<i>An effective implementation of Gaussian of Gaussian descriptor for person re-identification</i>	The 5th NAFOSTED Conference on Information and Computer Science (NICS)			2018	
	<i>Inspecting rice seed species purity on a large dataset using geometrical and morphological features</i>	Proceeding of the 9th International Symposium on Information and Communication Technology (SoICT 2018)			2018 december	
	<i>Novel Skeleton-based Action Recognition Using Covariance Descriptors on Most Informative Joints</i>	2018 10th International Conference on Knowledge and Systems Engineering (KSE 2018)			2018 november	
	<i>A Comparative Study on Detection and Estimation of a 3-D Object Model in a Complex Scene</i>	10th International Conference on Knowledge and Systems Engineering (KSE 2018)			2018 november	
	<i>A Frame-work assisting the Visually Impaired People: Common Object Detection and Pose Estimation in Surrounding Environment</i>	Proceeding of the 5th NAFOSTED Conference on Information and Computer Science (NICS 2018)			2018 november	
	<i>Human violence detection in video: a study using 3D convolutional neural network</i>	Proceeding of the 11th AUN/SEED-Net Regional Conference on Computer and Information Engineering (RCCIE 2018)			2018 november	
	<i>Hand segmentation under different viewpoints by combination of Mask R-CNN with tracking</i>	Proceeding of the 5th Asian Conference on Defense Technology (ACDT 2018)			2018 october	
	<i>Smartphone-based user positioning in a multiple-user context with Wi-Fi and Bluetooth</i>	9th International Conference on Indoor Positioning and Indoor Navigation			2018 september	

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	<i>WiFi fingerprinting localization for intelligent vehicles in car park</i>	9th International Conference on Indoor Positioning and Indoor Navigation			2018 september	
	<i>A multi-modal multi-view dataset for human fall analysis and preliminary investigation on modality</i>	International Conference on Pattern Recognition			2018 august	
	<i>High capacity encoding chipless RFID tag based on multi branch H-shaped resonator for sensing application</i>	The 2018 International conference Vietnam-Japan Symposium of Antenna Propagation (VJISAP)	978-6-0467-1081-3	117-123	2018 may	Da Nang, Vietnam
	<i>Enhancing Person Re-identification based on Recurrent Feature Aggregation Network</i>	The 1st International Conference on Multimedia Analysis and Pattern Recognition (MAPR)	978-1-5386-4180-4		2018 april	HCM
	<i>A vision based method for automatic evaluation of rice seed germination rate</i>	The 1st International Conference on Multimedia Analysis and Pattern Recognition (MAPR)	978-1-5386-4180-4		2018 april	
	<i>Improving human action recognition with two-stream 3D convolutional neural network</i>	The 1st International Conference on Multimedia Analysis and Pattern Recognition (MAPR)	978-1-5386-4180-4		2018 april	HCM
	<i>A reliable image-to-video person re-identification based on feature fusion</i>	10th Asian Conference on Intelligent Information and Database Systems (ACIIDS)	0302-9743		2018 march	
National Conference and Workshop Papers						
	“CROSS-LINGUAL” PHONEME RECOGNITION FOR FAMILIAR LANGUAGES: APPLYING TO VIETNAMESE AND MUONG LANGUAGES	FAIR - Fundamental and Applied IT Research			2018	
2017						
Books and Book Chapters						
	<i>Energy Planning: Approaches and Assessment</i>			35--66	2017	
Articles in Peer-Reviewed International Journals						
	<i>Semantic Regions Segmentation using a spatio-temporal model from an UAV Image Sequence with an optimal data acquisition</i>		2475-1839		2017 october	
	<i>Home Energy Scheduling System: Load Planning with Production Constraints</i>		2319 – 1805	30--44	2017 september	
	<i>Continuous detection of human fall using multimodal features from Kinect sensors in scalable environment</i>		0169-2607		2017 july	
	<i>Improvement of Person Tracking Accuracy in Camera Network by Fusing WiFi and Visual Information</i>		0350-5596		2017 june	
	<i>Abnormality tracking during video capsule endoscopy using an affine triangular constraint based on surrounding features</i>				2017 March	
	<i>Robust anticipative energy management system: Application of a smart building platform</i>		0143-6244	226–248	2017 march	

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	<i>The smartphone-based off-line indoor location competition at IPIN 2016: Analysis and future work</i>		1424-8220		2017 march	
Articles in Peer-Reviewed National Journals						
	<i>REAL-TIME TABLE PLANE DETECTION USING ACCELEROMETER INFORMATION AND ORGANIZED POINT CLOUD DATA FROM KINECT SENSOR</i>				2017	
	<i>Energy management strategies for dwellings with photovoltaic production</i>		2354-1083		2017	
	<i>A Bridge approach to fault diagnosis in buildings</i>		2354-1083		2017	
	<i>Energy management for residential Buildings-Intergrated Photovoltaic system</i>		1859-0209	18-27	2017	
	<i>?NG TEN TH? RFID GIÁ THÀNH TH?P DÀNH CHO TR?M THU PHÍ</i>		1859-1531	12-15	2017 november	
	<i>A Textile RFID Antenna for Wearable Applications</i>		2354-1083	109-112	2017 october	
	<i>A real-time dynamic optimization based heuristic algorithm for home energy management system</i>		2354-1083	1-8	2017 september	
	<i>Dynamic Hand Gesture Recognition using Cyclical Patterns of Hand Movement and Its Applications</i>			134-139	2017 June	
International Conference and Workshop papers						
	<i>A Combination of Deep Learning and Hand-Designed Feature for Plant Identification based on Leaf and Flower Images</i>	9th Asian Conference on Intelligent Information and Database Systems (ACIIDS)			2017	Japan
	<i>Indoor Intelligent Vehicle localization using WiFi Received Signal Strength Indicator</i>	IEEE International Conference on Microwaves for Intelligent Mobility 2017			2017	
	<i>Pedestrian Localization and Trajectory Reconstruction in a Surveillance Camera Network</i>	The Eighth International Symposium on Information and Communication Technology (SoICT 2017)	978-1-4503-5328-1		2017 december	Nha Trang, Vietnam
	<i>Plant identification using late fusion of multi-organ images</i>	The 9th International Conference on Knowledge and Systems Engineering (KSE 2017)	978-1-5386-3576-6		2017 october	
	<i>Collaborative Robotics in Smart Manufacturing, Modelling and Simulation, Robotics and Computer Integrated Manufacturing</i>	27th International Conference on Flexible Automation and Intelligent Manufacturing – FAIM 2017			2017 June	Modena, Italy
	<i>Anwendung von Technologien der Erweiterten Realität bei der Entwicklung eines Robotersystems für Montageaufgaben</i>	Automation 2017			2017 June	Baden-Baden, Germany
	<i>New Cyclical Pattern and Temporal-Spatial Representation for Robust Dynamic Hand Gesture Recognition</i>	Doctoral Consortium of IEEE International Conference on Automatic Face and Gesture Recognition (FG'17)			2017 June	
	<i>Are cyclical hand gestures better than non-cyclical pattern ones</i>	The Fifteenth IAPR International Conference on Machine Vision Applications (MVA 2017)			2017 May	

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	<i>Towards a Mobile Robotic Assembly System Using a Compliant Robot</i>	Wissenschaftliche Gesellschaft Montage Handhabung Industrierobotik			2017 February	Bremen, Germany
	<i>Improving multi-view human action recognition with spatial-temporal pooling and view shifting techniques</i>	The Eight International Symposium on Information and Communication Technology (SoICT2017)	978-1-4503-5328-1		2017 december	
	<i>Single-Feed, Compact, GPS Patch Antenna Using Metasurface</i>	International Conference on Advanced Technologies and Communication ATC	2162-1039	60-64	2017 december	
	<i>Improving poor GPS area localization for intelligent vehicles</i>	IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI)	978-1-5090-6063-4	417-421	2017 november	
	<i>Optimizing data transmission on mobile platform for speech translation system</i>	1st Conference on OCR and NLP for ASEAN Languages			2017 november	Phnom Penh, Cambodia
	<i>Automatic speech segmentation for monosyllabic languages using speech intensity features: experiment on minority languages in Vietnam</i>	1st Conference on OCR and NLP for ASEAN Languages			2017 november	
	<i>Indexing syllable dictionary for non-uniform unit selection speech synthesis: Application on Text-to-speech system on Android devices</i>	1st Conference on OCR and NLP for ASEAN Languages			2017 november	Phnom Penh, Cambodia
National Conference and Workshop Papers						
	<i>A New method for Displayed Mathematical Expression Detection Based on FFT and SVM</i>	The 4th NAFOSTED Conference on Information and Computer Science	978-1-5386-3210-9		2017 november	
	<i>Rapid development of text to speech system for unsupported languages using faking input approach: experiment with Muong</i>	FAIR - Fundamental and Applied IT Research	978-604-913-614-6		2017 august	Da Nang, Vietnam
National Project Report						
	<i>Final report of Nafosted project "Geometric scene analysis as a navigational aid to the visually impaired"</i>				2017	
Internal Reports						
	<i>Medicinal Plant Identification and Collaborative Information System</i>				2017 march	
PhD Thesis						
	<i>Person localization and identification by fusion of vision and wifi</i>				2017	
	<i>Smartphone-based indoor positioning using WiFi, inertial sensors and Bluetooth</i>				2017 december	
Engineer Thesis						
	<i>Plant identification based on the combination of multiple organs images.</i>				2017	
	<i>Stair detection from color image</i>				2017	

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	<i>Human action recognition from video using deep learning</i>				2017 June	
	<i>Development of English-Vietnamese speech translation system on mobile device</i>				2017 June	
2016						
Books and Book Chapters						
	<i>Intelligent surveillance and control of mechanical manufacturing</i>		978-604-51-2184-9		2016	
Articles in Peer-Reviewed International Journals						
	<i>Obstacle detection and warning system for visually impaired people based on electrode matrix and mobile Kinect</i>				2016	
	<i>Z in company names: trendy clothing for a typical Vietnamese sound Z in company names: trendy clothing for a typical Vietnamese sound I</i>			53-65	2016	
	<i>Person Re-Identification for Non-overlapping Cameras in Multimodal Person Localization</i>				2016 june	
	<i>Fully-automated person re-identification in multi-camera surveillance system with a robust kernel descriptor and effective shadow removal method</i>				2016 march	
Articles in Peer-Reviewed National Journals						
	<i>An optimal path solution in smart environment for autonomous robot navigation applications</i>		1859-0551	3-8	2016 july	
	<i>On the validation of a bicycle dynamic model by experiments</i>		2354-1083		2016 june	
	<i>Obstacle Detection and Distance Estimation using Monocular Camera in Navigation Services for Visually Impaired People (in Vietnamese)</i>		2525-2224	31--44	2016 June	
	<i>Application of constraint enforcement techniques for the differential algebraic equation model of a two-wheeled vehicle</i>		1859-0209	69-82	2016 april	
	<i>A device-independent method for object localization based on WiFi RSSI fingerprinting</i>		2354-1083		2016 january	
International Conference and Workshop papers						
	<i>Vision based boat detection for maritime surveillance</i>	The 15th International Conference on Electronics, Information and Communication			2016	
	<i>Geometry-based 3D Object Fitting and Localization in Grasping Aid for Visually Impaired People</i>	International Conference on Communications and Electronics (ICCE)			2016	

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	<i>STLU 2016 Preface</i>	5th International Workshop on Spoken Language Technologies for Under-resourced Languages (SLTU 2016)			2016	
	<i>An improved saliency-based person re-identification</i>	2nd International Workshop on Pattern Recognition for Multimedia Content Analysis (PR4MCA 2016) In conjunction with the 8th International Conference on Knowledge and System Engineering			2016	
	<i>Flower species identification Using Deep Convolutional Neural Networks</i>	Regional Conference on Computer and Information Engineering (RCCIE)			2016	
	<i>An evaluation of Hand Pyramid structure for Hand Representation based on Kernels</i>	International Conference on Advances in Information and Communication Technology (ICTA2016)			2016	
	<i>Fault propagation and graph-based path generation for skill-based robot programming</i>	Robotik 2016 (Automatica)			2016	
	<i>Fusion of WiFi and visual signals for person tracking</i>	The Seventh International Symposium on Information and Communication Technology (SoICT 2016)			2016 December	
	<i>Spatial and Spectral Features Utilization on a HyperSpectral Imaging System for Rice Seed Varietal Purity Inspection</i>	12th IEEE RIVF International Conference on Computing and Communication Technology			2016 November	
	<i>Phase Synchronization in a Manifold Space for Recognizing Dynamic Hand Gestures from Periodic Image Sequence</i>	12th IEEE RIVF International Conference on Computing and Communication Technology			2016 November	
	<i>Saving energy consumption by using smart metering system in Base Transceiver Stations</i>	Proceedings of the 9th regional conference on electrical and electronics engineering		383-388	2016 November	
	<i>A Domotic Solution with Vietnamese Speech Interaction</i>	Proceedings of the 9th regional conference on electrical and electronics engineering		258-262	2016 november	
	<i>Indoor navigation assistance system for visually impaired people using multimodal technologies</i>	The 14th International Conference on Control, Automation, Robotics and Vision (ICARCV)	978-1-5090-4757-4		2016 November	
	<i>Analytical method for multimodal localization combination using Wi-Fi and camera</i>	The 14th International Conference on Control, Automation, Robotics and Vision (ICARCV)	978-1-5090-4757-4		2016 November	
	<i>Speech Production Using An Anthropomorphic and Acoustic Approach</i>	The 9th Regional Conference on Electrical and Electronics Engineering			2016 November	
	<i>Low Speed Vehicle Localization using WiFi FingerPrinting</i>	International Conference on Control, Automation, Robotics and Vision			2016 November	
	<i>Rice seed varietal purity inspection using hyperspectral imaging</i>	the fifth Hyperspectral Imaging and Applications Conference (HSI 2016)			2016 October	Conventry, UK
	<i>Accurate object localization using RFID and Microsoft Kinect Sensor</i>	2nd International Workshop on Pattern Recognition for Multimedia Content Analysis (PR4MCA 2016) In conjunction with the 8th International Conference on Knowledge and System Engineering			2016 October	
	<i>Smartphone-based user location tracking in indoor environment</i>	2016 International Conference on Indoor Positioning and Indoor Navigation (IPIN)	978-1-5090-2424-7		2016 October	

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	<i>Self Adaptive System for Flexible Robot Assembly Operation</i>	Emerging Technologies and Factory Automation (ETFA)			2016 September	Berlin, Germany
	<i>Contribuer au progrès solidaire des recherches et de la documentation : la Collection Pangloss et la Collection AuCo</i>	31ème Journées d'Études sur la Parole			2016 July	Paris, France
	<i>Entwicklung eines Regelsystems zur Synchronisation einer mobilen Plattform für Montageaufgaben in einer kontinuierlichen Fließfertigung</i>	Automation 2016			2016 June	Baden-Baden, Germany
	<i>Integration of a PID Control System for a Mobile System for Manufacturing Task on Continuous Conveyor</i>	8th IFAC Conference on Manufacturing Modelling, Management and Control			2016 June	Troyes, France
	<i>Selections of Suitable UAV Imagery Configurations for Regions Classification</i>	8th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016)			2016 March	
	<i>Indoor assistance for visually impaired people using a RGB-D camera</i>	Proceeding of the 2016 IEEE Southwest Symposium on Image Analysis and Interpretation			2016 March	New Mexico, USA
	<i>REAL TIME OBSTACLE DETECTION AND AVOIDANCE USING KINECT DEPTH SENSOR AND PIONEER LX MOBILE ROBOT</i>	10th South East Asian Technical University Consortium Symposium - SEATUC 2016			2016 February	
	<i>Design of a Small Patch Antenna for Tongue Electrotactile Assistive Device for Blind People</i>	Vietnam-Japan International Symposium on Antennas and Propagation 2016 (VJISAP2016)			2016 February	
	<i>A TEXTILE ANTENNA FOR WEARABLE APPLICATIONS USING RFID TECHNOLOGY</i>	The 10th International Conference on Ubiquitous Information Management and Communication			2016 January	
	<i>Building Thermal Modeling Based on Energy Consumption and Ambient Temperature</i>	10th South East Asian Technical University Consortium Symposium - SEATUC 2016		480	2016	
National Conference and Workshop Papers						
	<i>Ảnh giá hi?u n?ng gi?i thu?t FAB-MAP* ??nh v? Robot trong nhà s? d?ng thông tin hình ?nh</i>	H?i ngh? qu?c gia l?n th? IX Nghi?n c?u c? b?n và ?ng d?ng Công ngh? thông tin			2016 August	
Divers publications						
	<i>Instrumenations controlled by Vietnamese voice</i>	VLSP 2016 workshop			2016 November	
International Project Reports						
	<i>MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN (project soumission first version)</i>				2016	
	<i>Last results on automatic translation for Vietnamese-French and Vietnamese-Japanese</i>				2016 November	
National Project Report						

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	<i>Research and Development of a speech translation system from Vietnamese to Muong speech, application directions for non-written languages of ethnic minority groups in Vietnam</i>				2016 December	
PhD Thesis						
	<i>Vision based localization in indoor environment, application for navigational aids for blind people</i>				2016	
	<i>Vision based localization in indoor environment, application for navigational aids for blind people</i>				2016	
	<i>Study and Develop some vision based localization techniques, applied into navigational aids for visually impaired people</i>				2016 September	
	<i>Acoustic gesture modeling. Application to a Vietnamese speech recognition system</i>				2016 March	
Masters Thesis						
	<i>Difficult situations recognition for visual-impaired aid using mobile Kinect</i>				2016	
	<i>Human posture recognition from multiple Kinects</i>				2016	
	<i>Vision-based Localization</i>				2016 October	
	<i>Vietnamese speech synthesis for some assistant services on mobile devices</i>				2016 January	
Engineer Thesis						
	<i>Saliency-based person reidentification</i>				2016	
	<i>Accurate object localization using RFID and RGB-D camera</i>				2016 June	
	<i>Accurate object localization using RFID and Microsoft Kinect Sensor</i>				2016 June	
	<i>Accurate object localization using RFID and Microsoft Kinect Sensor</i>				2016 June	
Invited Conference						
	<i>MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN</i>				2016 November	
	<i>MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN</i>				2016 September	
	<i>MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN</i>				2016 September	
	<i>MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN</i>				2016 September	
	<i>MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN</i>				2016 August	

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	<i>MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN</i>				2016 August	
	<i>Conservation et étude des langues du Vietnam : perspectives ouvertes par la numérisation des archives orales</i>				2016 June 6	Hanoi, Vietnam
	<i>A generic platform for adaptive computing in public buildings in smart cities: application for blind people guidance</i>	The Workshop on ICT Research and Innovation for Sustainable Economic and Social Development in ASEAN			2016 May	
	<i>Information retrieval service for biodiversity: application to Vietnamese medicinal plant identification</i>				2016 May	
Invited Seminar						
	<i>Computer vision group</i>	Open day for young research groups in HUST			2016	
	<i>Feature extraction for object recognition</i>	KDE lab, openday			2016	
Conference Organizer/Conference Committee						
		5th International Workshop on Spoken Language Technologies for Under-resourced Languages (SLTU 2016)			2016 May	
		Workshop on ICT Research and Innovation for Sustainable Economic and Social Development in ASEAN (ASEAN RISE2016)			2016 May	
2015						
Books and Book Chapters						
	<i>Modeling Vietnamese speech prosody: A step-by-step approach towards an expressive speech synthesis system</i>			273-287	2015 May	
Articles in Peer-Reviewed International Journals						
	<i>Tone and intonation: introductory notes and practical recommendations</i>		2364-2440	43-80	2015	
	<i>Speech data acquisition: the underestimated challenge</i>		2364-2440	1-42	2015	
	<i>Strata of standardization: the Phong Nha dialect of Vietnamese (Qu?ng Binh Province) in historical perspective</i>			124-162	2015	
	<i>Phonemic and tonal analysis of the Pianding dialect of Naxi (Dadong County, Lijiang Municipality)</i>			1--35	2015	
	<i>Phrasing, prominence, and morphotonology: How utterances are divided into tone groups in Yongning Na</i>			112-152	2015	
	<i>A combination of user-guide scheme and kernel descriptor on RGB-D data for robust and real-time hand posture recognition</i>				2015	

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	<i>Developing a Way-Finding System on Mobile Robot Assisting Visually Impaired People in An Indoor Environment</i>				2015 December	
	<i>Real-Time Obstacle Detection System in Indoor Environment for Visually Impaired Using Microsoft Kinect Sensor</i>			1-13	2015 January	
Articles in Peer-Reviewed National Journals						
	<i>Building thermal modeling using equivalent electric circuit: Application to the public building platform</i>		1859-0551	26-33	2015	
	<i>?????-???????????????? [International Phonetic Alphabet correspondences for the phonetic notations used by J.F. Rock in his Nakhi-English dictionary]</i>			119-124	2015	
	<i>Dataset construction for multi-modal person localization and identification evaluation</i>			112-117	2015	
	<i>Control for an exoskeleton with EMG sensor</i>		1859-4794	19-25	2015	
	<i>Investigation of Base Transceiver Station power load for energy consumption optimization</i>		1859-0551	47-52	2015 December	
International Conference and Workshop papers						
	<i>A New Hand Representation Based on Kernels for Hand Posture Recognition</i>	The Eleventh IEEE International Conference on Automatic Face and Gesture Recognition (FG 2015), ISBN: 978-1-4799-6025-5			2015	
	<i>Complex background leaf-based plant identification method based on interactive segmentation and kernel descriptor</i>	The 2nd International Workshop on Environmental Multimedia Retrieval (EMR 2015) in Conjunction with ACM Conference on Multimedia Retrieval (ICMR), ISBN: 978-1-4503-3274-3			2015	China
	<i>Influences of speaker attitudes on glottalized tones: a study of two vietnamese sentence-final particles</i>	18th International Congress of Phonetic Sciences (ICPhS 2015)	241-0669		2015	
	<i>How good is Kernel Descriptor on Motion Depth Map for Human Action Recognition</i>	The 10th International Conference on Computer Vision Systems, ISBN: 978-3-319-20904-3			2015	
	<i>A robust model for person re-identification in multi-modal person localization</i>	The Ninth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM 2015), ISBN: 978-1-61208-418-3	978-1-61208-418-3		2015	
	<i>Improvements of RGB-D Hand Posture Recognition Using an User-Guide Scheme</i>	the 7th IEEE International Conference on Cybernetics and Intelligent Systems (CIS) and the 7th IEEE International Conference on Robotics, Automation and Mechatronics (RAM), ISBN: 978-1-4673-7336-4			2015	
	<i>MICA at LifeCLEF 2015: Multi-organ Plant Identification</i>	CLEF 2015 Working Notes proceedings	1613-0073		2015	

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	<i>Using hand postures for interacting with assistant robot in library</i>	The 1st International Workshop on Pattern Recognition for Multimedia Content Analysis (PR4MCA 2015) In conjunction with the 7th International Conference on Knowledge and System Engineering, ISBN 978-1-4673-8013-3			2015	Ho Chi Minh City, Vietnam
	<i>Comparative study on vision based rice seed varieties identification</i>	The 1st International Workshop on Pattern Recognition for Multimedia Content Analysis (PR4MCA 2015) In conjunction with the 7th International Conference on Knowledge and System Engineering, ISBN 978-1-4673-8013-3			2015	
	<i>Query-based 3D Object Finding Using Geometrical Constraints on Depth Images for Assisting the Visually Impaired</i>	The 1st International Workshop on Pattern Recognition for Multimedia Content Analysis (PR4MCA 2015) In conjunction with the 7th International Conference on Knowledge and System Engineering, ISBN 978-1-4673-8013-3			2015	
	<i>A Web-based Plant Identification Application Using Multi-Organ Images Query</i>	Regional Conference on Computer and Information Engineering (RCCIE), ISBN: 978-604-938-689-3			2015	
	<i>The Grenoble System for the Social Touch Challenge at ICMI 2015</i>	17th ACM International Conference on Multimodal Interaction			2015	
	<i>Phonetic insights into a simple level-tone system: 'careful' vs. 'impatient' realizations of Naxi High, Mid and Low tones</i>	Proceedings of ICPHS XVIII (18th International Congress of Phonetic Sciences)			2015	
	<i>Recognition of hand gestures from cyclic hand movements using spatial-temporal features</i>	Proceeding of The Sixth International Symposium on Information and Communication Technology (SoICT 2015), ISBN: 978-1-4503-3843-1			2015	
	<i>A Robust Shadow Removal Technique Applying For Person Localization in a Surveillance Environment</i>	Proceeding of The Sixth International Symposium on Information and Communication Technology (SoICT 2015)			2015	
	<i>Phonetic insights into a simple level-tone system: 'careful' vs. 'impatient' realizations of Naxi High, Mid and Low tones</i>	Proceedings of ICPHS XVIII (18th International Congress of Phonetic Sciences)			2015	
	<i>Machine Translation from Japanese and French to Vietnamese, the Difference among Language Families</i>	International Conference on Asian Language Processing (IALP)			2015 October	Suzhou, China
	<i>Automatic cattle location tracking using image processing</i>	The 2015 European Signal Processing Conference (EUSIPCO)	2076-1465	5	2015 September	Nice, France
	<i>Development of a mobile robot system for assembly task on continuous conveyor</i>	International Conference on Innovative Technologies	?1849-0662	331-334	2015 September	Dubrovnik, Croatia
	<i>Synchronisation von mobilen Robotern zu einer kontinuierlichen Fließfertigung für Montageaufgaben</i>	Automation 2015	978-3-18-092258-4	465-475	2015 June	Baden-Baden, Germany

National Conference and Workshop Papers

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	<i>Vietnamese medicinal plants retrieval system for Android</i>	The 17th national conference: selected problems about IT and Telecommunication, ISBN: 978-604-67-0426-3	ISBN: 978-604-67-0426-3		2015	Tay Nguyen
	<i>Obstacle detection and warning for visually impaired people based on electrode matrix and mobile Kinect</i>	The second NAFOSTED Conference on Information and Computer Science (NICS), ISBN: 978-1-4673-6638-0			2015	
	<i>Table plane detection using Geometrical constraints on depth images</i>	The 8th Vietnamese Conference FAIR - Fundamental and Applied IT Research, Hanoi, VietNam, 2015, ISBN: 978-604-913-397-8			2015	
	<i>Dynamic hand gesture recognition utilizes Spatial-Temporal features</i>	The 8th Vietnamese Conference FAIR - Fundamental and Applied IT Research, Hanoi, VietNam, 2015, ISBN: 978-604-913-397-8			2015	
	<i>A new technique for linking person trajectories in surveillance camera network</i>	The 8th Vietnamese Conference FAIR - Fundamental and Applied IT Research, Hanoi, VietNam, 2015			2015	
	<i>Infrastructure for power measurements in households</i>	The 6th National Metrology Conference 2015			2015	
	<i>Detection and estimate the distance to the obstacle warning support for the visually impaired (in Vietnamese)</i>	National Conference on Electronics, Communications and Information Technology – ECIT2015, ISBN: 978-604-67-0635-9		45-50	2015 December	
	<i>Xây dựng mô hình nhit s? d?ng m?ng c?m bi?n không dây, ph?c v? cho h? th?ng qu?n lý n?ng l?ng tòa nhà</i>	K? y?u H?i ngh? ?o l?ng toàn qu?c l?n th? VI	978-604-67-0521-505/2015	480-485	2015	
International Project Reports						
	<i>Projet « ShootMyMind ». Rapport première réunion à Hanoi</i>				2015	
	<i>Project Vietnam-Japan "Virtual and Augmented Reality Studio", soumission de project</i>				2015	
	<i>Projet GDRI IConES d'Asie, rapport de soumission du pré-projet</i>				2015 November	
	<i>Projet de création du Centre CSSD Computer Science for Social Development. Rapport de soumission du projet</i>				2015 October	
	<i>ZEIN2012RIP19: Yearly Project Report: Visually Impaired People Assistance using Multimodal Technology</i>				2015 August	
	<i>ZEIN2012RIP19: Yearly Project Report: Visually Impaired People Assistance using Multimodal Technology</i>				2015 August	
National Project Report						
	<i>KC03.07/11-15: Final report of the project KC03-Phase 2</i>				2015 October	
	<i>National Project "Study and Build an automatic translation for Vietnamese and minority languages without handwriting", project proposal</i>				2015 October	

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	<i>KC03.07/11-15: Summarize report of the project KC03 - Phase 2</i>				2015 October	
	<i>KC03.07/11-15: Technical report 1 of the project KC03 - Phase 2</i>				2015 October	
	<i>KC03.07/11-15: Technical report 2 of the project KC03 - Phase 2</i>				2015 October	
	<i>KC03.07/11-15: SS0007 Building a program for the maximize the small band method</i>				2015 June	
	<i>KC03.07/11-15: SS0010 Testing and evaluating the ASR system with simulation and real speech database</i>				2015 June	
	<i>KC03.07/11-15: SS0020 Studying some analysis method basing on acoustic model</i>				2015 June	
	<i>KC03.07/11-15: SS0024 Testing and evaluating the ASR system with simulation and real speech database (for smart room)</i>				2015 June	
	<i>KC03.07/11-15: SS0034 Testing and evaluating the ASR system with simulation and real speech database (for function generator)</i>				2015 June	
	<i>KC03.07/11-15: SS0040 Testing and evaluating the ASR system with simulation and real speech database (for oscillator)</i>				2015 June	
	<i>KC03.07/11-15: SS0041 Studying and fusion some methods for integrating in a robustness ASR system</i>				2015 June	
	<i>KC03.07/11-15: SS0111 Analyzing the environment condition and propose speech enhancement method to build a robustness ASR system</i>				2015 June	
	<i>KC03.07/11-15: SS0113 Building a center processing system for ASR, TTS and interaction</i>				2015 June	
Internal Reports						
	<i>Building library that work with the EnOcean sesors on Raspberry Pi</i>				2015	
	<i>Study of energy-saving solutions for microcontrollers</i>				2015	
	<i>Study and develop a speech translation system on smartphone, applied for French-to-Vietnamese</i>				2015	
	<i>T2015-095: Final Project Report</i>				2015 November	
	<i>T2015-095: Review on ship detection and Tracking using Computer Vision Techniques</i>				2015 November	
	<i>T2015-095: Ship detection using Background subtraction and Saliency Detection</i>				2015 November	
	<i>T2015-095: Ship tracking using Kalman Filter</i>				2015 November	
	<i>B2013-01-41: Final Project Report</i>				2015 October	
	<i>B2013.01.48: System deployment, evaluation and analysis</i>				2015 june	
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	<i>B2013.01.48: Multimodal localization system</i>				2015 june	
	<i>B2013.01.48: Object localization module based on cameras, RFID and WiFi</i>				2015 june	
	<i>B2013.01.48: Database for environment, user and context information</i>				2015 june	
	<i>B2013.01.48: Object localization system - System design</i>				2015 june	
	<i>B2013.01.48: Optimal path finding and navigation aid for blind people</i>				2015 june	
	<i>B2013.01.48: Project final report</i>				2015 june	
	<i>B2013.01.48: Shortened project final report</i>				2015 june	
	<i>B2013.01.48: SS1 - Overview of localization technologies</i>				2015 june	
	<i>B2013.01.48: SS02 - Development of camera-based localization system</i>				2015 june	
	<i>B2013.01.48: SS03 - Development of RFID-based localization system</i>				2015 june	
	<i>B2013.01.48: SS05 - Development of WiFi-based localization system</i>				2015 june	
	<i>B2013.01.48: SS04 - Cross-platform mobile app for WiFi signal strength collection</i>				2015 june	
	<i>B2013.01.48: SS06 - Experimentation and evaluation of unimodal localization systems</i>				2015 june	
	<i>B2013.01.48: SS07 - Design of network infrastructure</i>				2015 june	
	<i>B2013.01.48: SS08 - Multimodal localization module based on cameras, RFID, WiFi</i>				2015 june	
	<i>B2013.01.48: SS09 - Localization accuracy enhancement using environment information</i>				2015 june	
	<i>B2013.01.48: SS10 - Design of database for environment, user and context information</i>				2015 june	
	<i>B2013.01.48: SS11 - Database for environment, user information and dynamic map</i>				2015 june	
	<i>B2013.01.48: SS12 - Development of tools for dynamics map</i>				2015 june	
	<i>B2013.01.48: SS13 - Optimal path finding module using environment information</i>				2015 june	
	<i>B2013.01.48: SS14 - Solution for tuning optimal paths on the basis of context information</i>				2015 june	
	<i>B2013.01.48: SS15 - Development of human-system interaction app</i>				2015 june	
	<i>B2013.01.48: SS16 - Software for object tracking and examination</i>				2015 june	
	<i>B2013.01.48: SS17 - System installation and evaluation in real environment</i>				2015 june	
	<i>B2013.01.48: SS17 - System installation and evaluation in real environment</i>				2015 June	

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Transfer Project Reports						
	<i>High quality Vietnamese TTS engine for Android</i>				2015 December	B1 Building Hanoi University of Science and Technology
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	<i>Poster in TechMart 2015</i>				2015 October	
	<i>MICA OPEN DAY "Introduction of student projects to PFIEV & Talen students"</i>				2015 October	
PhD Thesis						
	<i>Visual interpretation of hand postures for human-machine interaction</i>				2015 December	
	<i>HMM-based Vietnamese Text-To-Speech: Prosodic Phrasing Modeling, System Design, Corpus Design and Evaluation</i>				2015 September	15 Rue Georges Clemenceau, 91400 Orsay, France
Masters Thesis						
	<i>Human Detection and Tracking in a Surveillance Camera Network</i>				2015	
	<i>Parsing Technique in Text-To-Speech System.</i>				2015 November	B1 Building Hanoi University of Science and Technology
	<i>Development of an environmental measurement system, application in the field of meteorology</i>				2015 April	HUST
	<i>Human fall detection using Kinect Sensor</i>				2015 February	
	<i>Studying the phonetic characteristics of glottalized tones in Vietnamese expressive speech</i>				2015 January	B1 Building Hanoi University of Science and Technology
Engineer Thesis						
	<i>Developing vision module for multimodal object localization system</i>				2015	
	<i>Obstacle detection and warning for visually impaired people based on electrode matrix and mobile Kinect</i>				2015	
	<i>Multi-organ plant identification</i>				2015	
	<i>Feature extraction for multi-organ plant identification</i>				2015	
	<i>Dynamic Hand Gesture Recognition using spatio-temporal features</i>				2015	
	<i>Multiple Kinect calibration for building human trajectories in a Kinect Network</i>				2015	

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	<i>Developing a Text-to-Speech engine which uses non-uniform acoustic units on Android</i>				2015	C9 Building Hanoi University of Science and Technology
	<i>Studying and developing a text normalization module, application into TTS on android devices</i>				2015	C9 Building Hanoi University of Science and Technology
	<i>Name card recognition based on image processing on mobile devices</i>				2015	C1 Building Hanoi University of Science and Technology
	<i>Cardvisit recognition using image processing techniques</i>				2015	
	<i>Home security system in using camera and smart phone</i>				2015 December	
	<i>Design an automatic door curtain</i>				2015 August	
	<i>Indoor user localization based on WiFi fingerprinting using RSSI measurement</i>				2015 June	
	<i>Development of Speech database management system for high quality Vietnamese text to speech synthesis</i>				2015 June	C9 Building Hanoi University of Science and Technology
	<i>Human action recognition using Kinect sensor</i>				2015 June	
Invited Conference						
	<i>Vietnamese social affect: expression and perception</i>				2015 August 20	Phonetics department, University of Cologne, Cologne, Germany
	<i>Ambient computing for large scale pervasive environments</i>				2015 May	
	<i>Linguistic studies and data collection for South-East Asia under-resourced languages</i>				2015 May	
	<i>Data collection and linguistic studies for South-East Asia endangered languages</i>				2015 April	
	<i>User localization and adaptative control in pervasive environments</i>				2015 April	
	<i>Panorama of research actions at MICA Institute</i>				2015 April	
	<i>A generic platform for adapted computing in public buildings.</i>				2015 February 2	
Invited Seminar						
	<i>"ICT for food security - an application for rice in ASEAN countries", project proposal</i>	ASEAN IVO			2015 November	
	<i>Mining parallel corpora for multilingual machine translation system</i>	ASEAN IVO			2015 November	
	<i>Presentation for receiving equipments of RF platform project</i>	Presentation of the rate of process of RF platform project			2015 August	
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Books and Book Chapters						
	<i>Some Current Advanced Researches on Information and Computer Science in Vietnam</i>			1-15	2014	
	<i>An Efficient Combination of RGB and Depth for Background Subtraction</i>				2014	
Articles in Peer-Reviewed International Journals						
	<i>Design of High-Gain and Beam Steering Antennas Using a New Planar Folded-Line Metamaterial Structure</i>			16	2014 September	
	<i>Documenting and researching endangered languages: the Pangloss Collection</i>		1934-5275	119-135	2014 June	
	<i>User localization in complex environments by multimodal combination of GPS, WiFi, RFID and pedometer technologies</i>				2014 March	
Articles in Peer-Reviewed National Journals						
	<i>Access control using face recognition</i>				2014	
	<i>A 2D Human Posture Recognition Method in Images and Videos</i>				2014	
	<i>?????????????—???????????????????? (Historical transfer of nasality between consonantal onset and vowel: from C to V or from V to C?)</i>			159-188	2014	
	<i>M?t ph??ng pháp xây d?ng h? t??ng tác ng??i – máy b?ng ti?ng nói cho thi?t b? công nghi?p : áp d?ng cho bài toán t?o máy phát tín hi?u ?i?u khi?n b?ng ti?ng nói</i>				2014	
	<i>Automatic Localization and Navigation Assistance for Visually Impaired People Using Robot</i>				2014 October	
	<i>Effect of Sentence-Final Particles on Generation of Fundamental Frequency in Standard Vietnamese</i>		0868-3980	171-178	2014 August	
	<i>Optimization of joint trajectory tracking controller of assistive robot for mobile disabled people</i>		1859-0551	21-26	2014 August	
	<i>A vision -based system for autonomous Map Building and Localization</i>				2014 June	
	<i>Application of localization and event detection by sound in tele-medicine</i>		1859-1043	70--76	2014 April	
	<i>Application of speech processing technology in development of a target distance input system</i>		1859-0551		2014 April	
	<i>Gi?i pháp s? d?ng k? thu?t x? lý âm thanh trong ?i?u khi?n ppk 37mm</i>		1859-1043	77-85	2014 April	
International Conference and Workshop papers						
	<i>An analysis on human fall detection using skeleton from Microsoft Kinect</i>	The fifth IEEE International Conference on Communications and Electronics (ICCE)			2014	

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	<i>Kernel descriptor based plant leaf identification</i>	4th International Conference on Image Processing Theory, Tools and Applications			2014	
	<i>Dynamic hand gesture recognition using RGB-D motion history and kernel descriptor</i>	The International Conference on Advanced Technologies for Communications 2014			2014	
	<i>Multimodal Vietnamese medicinal plants retrieval system for Android</i>	Regional Conference on Computer and Information Engineering (RCCIE) 2014			2014	
	<i>Fully automatic leaf-based plant identification, application for Vietnamese medicinal plant search</i>	The fifth symposium on Information and Communication Technology (SoICT 2014)			2014	
	<i>Intonation Issues In HMM-Based Speech Synthesis For Vietnamese</i>	International workshop on Spoken Languages Technologies for Under-resourced languages	978-5-8088-0908-6	98-104	2014	
	<i>A Vision-based system supports mapping services for visually impaired people in indoor environments</i>	The 13th International Conference on Control, Automation, Robotics and Vision, ICARCV 2014			2014 December	
	<i>Hand postures recognition using Kernel Descriptor</i>	The 6th International Conference on Intelligent Human Computer Interaction			2014 December	Paris, France
	<i>System Design, Implementation and Applications of a Pervasive-Space Platform</i>	SoICT 2014 is the fifth symposium on Information and Communication Technology			2014 December	
	<i>Non-linear Model for Nanomaterial Delivery System</i>	The 2nd KICS Korea-Vietnam International Workshop on Information and Communications	978-89-950043-5-7	57-61	2014 December	
	<i>A Circularly Polarized Passive RFID Tag on Wall</i>	2014 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE)		83-86	2014 December	
	<i>Semantic Regions Recognition in UAV Images Sequence</i>	The sixth international conference on Knowledge and System Engineering (KSE)			2014 October	
	<i>Application of speech technologies for Vietnamese language on smartphone. Vietnamese Voice Assistant system (VIVA)</i>	Regional Conference on Computer and Information Engineering (RCCIE)	978-602-71396-0-2	107-111	2014 October	
	<i>Indoor Localization System using Passive UHF RFID Tag and Multi-Antennas</i>	The International Conference on Advanced Technologies for Communications 2014	978-1-4799-6955-5	405-410	2014 October	
	<i>Circularly Polarized Passive UHF RFID Tag on Wall for Indoor Object Identification and Localization</i>	The International Conference on Advanced Technologies for Communications 2014	978-1-4799-6955-5	48-53	2014 October	
	<i>A Visual SLAM System on Mobile Robot Supporting Localization Services to Visually Impaired People</i>	International Workshop on Computer Vision and Robotics (ACVR) in the 13th conference ECCV - Zurich Switzerland			2014 September	
	<i>Prosodic phrasing modeling for Vietnamese TTS using syntactic information</i>	INTERSPEECH 2014	1990-9770	2332-2336	2014 September	
	<i>A Web-Based Education System for Reading Video Capsule Endoscopy</i>	The 22nd International Conference on Pattern Recognition			2014 August	Stockholm, Sweden
	<i>Segmenting Reddish lesions in Capsule Endoscopy Images Using a GastroIntestinal Color Space</i>	The 22nd International Conference on Pattern Recognition			2014 August	Stockholm, Sweden
	<i>A Method for Efficient Environment Modeling in Pervasive Applications</i>	The International Conference on Communications and Electronics			2014 August	
	<i>Mapping Services in Indoor Enviroments based on Image Sequences</i>	The 5th International Conference on Communications and Electronics			2014 July	

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	<i>Abnormal event detection using multimedia information for monitoring system</i>	The 5th IEEE International Conference on Communications and Electronics	978-1-4799-5050-8	490-495	2014 July	
	<i>Towards the automatic processing of Yongning Na (Sino-Tibetan): developing a 'light' acoustic model of the target language and applying 'heavyweight' models from five national languages</i>	4th International Workshop on Spoken Language Technologies for Under-resourced Languages (SLTU 2014)			2014 May	
	<i>Indoor localization and applications</i>	Recent Advances and Developments in Communication Systems			2014 February	Ho Chi Minh city, Vietnam
	<i>Indoor Localization System based on Passive RFID Tags</i>	2014 Fifth International conference on Intelligent Systems, Modelling and Simulation	978-1-4799-3857-5	579-584	2014 January	
National Conference and Workshop Papers						
	<i>Improving localization precision of visual SLAM using Kalman filter</i>	Fundamental and Applied IT Research - FAIR - Thai Nguyen University- Viet Nam - June			2014	
	<i>Vision-based object detection, tracking and localization for indoor environment</i>	2014 National Conference on Electronics, Communications and Information Technology – REV-ECIT2014			2014	
	<i>Noise suppression in depth map for improved background segmentation</i>	FAIR - Fundamental and Applied IT Research			2014	Thai Nguyen, Vietnam
	<i>Depth Data from Kinect Sensor: Repairing and Utilization (in Vietnamese)</i>	Fundamental and Applied IT Research - FAIR - Thai Nguyen University- Viet Nam - June			2014	
	<i>Power Supervise For Green Base Stations In Cellular Networks Using ADE7753</i>	2nd AUN/SEED-Net Regional Conference on Energy Engineering			2014 November	
	<i>Fuzzy logic control solution for motion system of an assistive robot for mobile disabled people</i>	The 7th Vietnam Conference on Mechatronics			2014 November	Dong Nai, Vietnam
	<i>Navigational Aids to Visually Impaired People in Pervasive Environments using Robot (in Vietnamese)</i>	National Conference on Electronics, Communications and Information Technology – ECIT2014 - Nha Trang- VietNam			2014 September	
	<i>Real-time abnormal events detection combining motion templates and object localization</i>	The first NAFOSTED Conference on Information and Computer Science (NICS 2014)			2014 March	
	<i>Background Subtraction with KINECT data: An Efficient Combination RGB and Depth</i>	The first NAFOSTED Conference on Information and Computer Science (NICS 2014)		160--169	2014 March	
International Project Reports						
	<i>Projet "ShootMyMind", Soumission de projet</i>				2014	
	<i>Projet SIM-Cities (Sustainable and Intelligent Mobility for Smart Cities. Soumission de projet</i>				2014	
	<i>ZEIN2012RIP19 Yearly Report: Visually Impaired People Assistance using Multimodal Technology</i>				2014	

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	<i>Visually impaired people assistance using multimodal technologies</i>				2014 July	
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	<i>KC03.07/11-15: SS0015 Testing and evaluating the ASR system with simulation and real speech database (for smart home application)</i>				2014 December	
	<i>KC03.07/11-15: SS0017 Building a program for blind source separation method using with space information</i>				2014 December	
	<i>KC03.07/11-15: SS0019 Building a program for blind source separation method using IVA technique</i>				2014 December	
	<i>KC03.07/11-15: SS0019 Testing and evaluating the ASR system with simulation and real speech database (for oscillator)</i>				2014 December	
	<i>Testing and evaluating the ASR system with simulation and real speech database (for function generator)</i>				2014 December	
	<i>KC03.07/11-15: SS0029 Testing and evaluating the ASR system with simulation and real speech database (for function generator)</i>				2014 December	
	<i>KC03.07/11-15: SS0121 Building a program of HMI by Vietnamese voice for oscillator</i>				2014 December	
	<i>KC03.07/11-15: SS0125 Building a program of HMI by Vietnamese voice for function generator</i>				2014 December	
	<i>projet « ALLIED - Approche des Langues en danger combinant Linguistique et Ingénierie, Etude et Documentation », soumission de projet</i>				2014 October	
	<i>projet « RAPACE Rapid Access Platform for Asian Community Exchanges », Soumission de projet</i>				2014 October	
	<i>KC03.07/11-15: SS0008 Building a program for adaptive beamforming method</i>				2014 April	
	<i>KC03.07/11-15: SS0009 Building a program for minimize beamforming using variance</i>				2014 April	
	<i>KC03.07/11-15: SS0016 Studying some technique using blind source separation</i>				2014 April	
	<i>KC03.07/11-15: SS0021 Building a program for some technique using the correlation function and speech fragment method</i>				2014 April	
	<i>KC03.07/11-15: SS0030 Studying some techniques of the spectral vector normalization using for ASR system in noisy environment</i>				2014 April	
	<i>KC03.07/11-15: SS0035 Studying some adaptive acoustic model techniques</i>				2014 April	

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	<i>KC03.07/11-15: SS0036 Studying and training the acoustic model using speech database in noisy environment</i>				2014 April	
	<i>KC03.07/11-15: SS0037 Studying and executing the VTS method using speech database in noisy environment</i>				2014 April	
	<i>KC03.07/11-15: SS0038 Studying and executing the MLLR method using speech database in noisy environment</i>				2014 April	
	<i>KC03.07/11-15: SS0039 Studying and executing the PMC method using speech database in noisy environment</i>				2014 April	
	<i>KC03.07/11-15: SS0053 Building a speech database for TTS system</i>				2014 April	
	<i>KC03.07/11-15: SS0119 Study and select a suitable ASR and TTS for the application (oscillator)</i>				2014 April	
	<i>KC03.07/11-15: SS00123 Study and select a suitable ASR and TTS for the application (function generator)</i>				2014 April	
	<i>KC03.07/11-15: SS0130 Analyse all requests of the problem</i>				2014 April	
	<i>KC03.07/11-15: SS0131 System design</i>				2014 April	
	<i>Nghiên cứu, ứng dụng CNTT trong xây dựng hệ thống giám sát, hệ thống chăm sóc bệnh nhân tại phòng ICU tự động minh (Abnormal event detection using multimedia information for monitoring system)</i>				2014 March	
Internal Reports						
	<i>VnMed - Vietnamese MEDicinal Plant Retrieval Tool</i>				2014	
	<i>Vietnamese Voice Assistant system (VIVA) - Project report</i>				2014 December	
	<i>Management and surveillance system design (in vietnamese)</i>				2014 November	
	<i>A study for automatic user-context adaptive supervision and controlling system in smart environment (in Vietnamese)</i>				2014 November	
Masters Thesis						
	<i>Multiple objects detection and segmentation in an image sequence based on a coherent probabilistic model</i>				2014	
	<i>Environment modeling and application for pervasive space systems</i>				2014 October	
Engineer Thesis						
	<i>Plant identification based on kernel descriptor</i>				2014	
	<i>Détection et suivi d'humains à partir d'un réseau de caméra 3D</i>				2014	
	<i>Kinect-based dynamic hand gesture recognition</i>				2014	
	<i>Object recognition using mobile camera for helping visually impaired people</i>				2014	
	<i>Robot vocal tract simulation</i>				2014	

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	<i>Hand gesture database for hand gesture recognition</i>				2014	
	<i>Hand detection for hand posture recognition system</i>				2014	
	<i>Hand posture recognition system</i>				2014	
	<i>Path-Finding and Navigation in Dynamic Environments</i>				2014 September	
	<i>Combinaison multimodale de technologies de localisation utilisant le Wifi et la vision par ordinateur</i>				2014 August	
	<i>Acces control system using RFID technology</i>				2014 June	
Invited Conference						
	<i>Le panorama de la recherche au Vietnam.</i>				2014 December 15	
	<i>Multimedia studio design: basics technics.</i>				2014 November 17	
	<i>La préservation des archives sonores : outils et résultats de l'Institut de recherche international MICA.</i>				2014 November 4	
	<i>Technologies vocales: des outils pour la préservation des archives sonores.</i>				2014 June 25	
2013						
Books and Book Chapters						
	<i>Transhimalayan Linguistics</i>			275-311	2013	
Articles in Peer-Reviewed International Journals						
	<i>SWEET HOME ICT technologies for the assessment of elderly subjects</i>				2013	
	<i>Review of: Pinson, Thomas M. 2012. A Naxi-Chinese-English Dictionary (Naqxi-Habaq-Yiyu Ceeqdiail / ??????)</i>			129-137	2013	
	<i>????????????????????</i>			74-96	2013	
	<i>Path-tracking control of a riderless bicycle via road preview and speed adaptation</i>		1934-6093	1-15	2013 September	
Articles in Peer-Reviewed National Journals						
	<i>Indoor positioning system based on passive RFID</i>		0868-3980	96-100	2013	
	<i>Determination of threshold for speech enhancement based on phase difference information using two microphones in real environment</i>		0868-3980	28-33	2013	
	<i>Scene classification for advertising service based on image content</i>				2013	
	<i>Object classification: A comparative study and applying for advertisement services based on image content</i>				2013	

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	<i>Application of Beagleboard C4 platform in controlling devices using Vietnamese voice recognition</i>				2013 May	
International Conference and Workshop papers						
	<i>Assessing the relevance of reduced order models for building envelop</i>	The 13th International Conference of the International Building Performance Simulation Association			2013	
	<i>How can human communicate with robot by hand gesture?</i>	International Conference on Computing, Management and Telecommunications, 21-24 January 2013, Hochiminh City			2013	
	<i>Antenna Design for Tongue Electrotactile Assistive Device for the Blind and Visually-Impaired</i>	7th European Conference on Antennas and Propagation (EuCAP)			2013	Gothenburg, Sweden
	<i>Application of an anticipative energy management system to an office platform</i>	The 13th International Conference of the International Building Performance Simulation Association			2013	
	<i>When diachrony is helping for a synchronic study: the case of the Mo Piu tones from the Hmong-Mien family in Northern Vietnam</i>	SEALS 23 (Conference on South-Est Asian Languages)			2013	
	<i>Machine Translation Approach for Vietnamese Diacritic Restoration</i>	IALP 2013			2013	
	<i>Multimodal combination of GPS, WiFi, RFID and step count for user localization</i>	The 8th International Conference on Ubiquitous Information Technologies and Applications		675--681	2013 December	Danang, Vietnam
	<i>Application of environment constraints in improving localization accuracy</i>	The 8th International Conference on Ubiquitous Information Technologies and Applications		441--447	2013 December	Danang, Vietnam
	<i>Home appliance control system based on robust indoor user localization using WiFi signals</i>	5th Asia Oceania Regional Workshop on GNSS			2013 December	Hanoi, Vietnam
	<i>Studying level-tone systems in Asia: the case of the Naish languages</i>	Proceedings of International Conference on Phonetics of the Languages in China (ICPLC-2013)	978-962-442-371-6	1-6	2013 December	
	<i>A platform for pervasive application development</i>	International Workshop on Personal Assistance for Mobility and Manipulation		48--53	2013 November	
	<i>A Wearable Assistive Device for the Blind Using Tongue-Placed Electrotactile Display: Design and Verification</i>	The Second International Conference on Control, Automation and Information Sciences (ICCAIS 2013)			2013 November	Nha Trang, Viet Nam
	<i>Scene description for visually impaired in outdoor environment</i>	International Conference on Advanced Technologies and Communication ATC			2013 October	
	<i>A Wireless Assistive Device for Visually-impaired Persons using Tongue Electrotactile System</i>	International Conference on Advanced Technologies for Communications - ATC 2011			2013 October	
	<i>Leaf based plant identification system for Android using SURF features in combination with Bag of Words model and supervised learning</i>	International Conference on Advanced Technologies for Communications (ATC)			2013 October	
	<i>A human gait model using graph-theoretic method</i>	3rd IFToMM International Symposium on Robotics and Mechatronics - ISRM 2013		535--544	2013 October	

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	<i>A vision based method for automatizing tea shoots detection</i>	International Conference on Image Processing (ICIP)			2013 September	Melbourne, Australia
	<i>Manual and automatic tone annotation: the case of an endangered language from North Vietnam "Mo Piu"</i>	INTERSPEECH 2013			2013 August	Lyon, France
	<i>The interplay of intonation and complex lexical tones: how speaker attitudes affect the realization of glottalization on Vietnamese sentence-final particles</i>	INTERSPEECH 2013			2013 August	Lyon, France
	<i>Production and perception of pseudo-VICV2 outside the vowel triangle: Speech illusion effects</i>	INTERSPEECH 2013			2013 August	Lyon, France
	<i>HMM-based TTS for Hanoi Vietnamese: issues in design and evaluation</i>	INTERSPEECH 2013			2013 August	Lyon, France
	<i>A robust WLAN positioning system based on probabilistic propagation model</i>	The 9th International Conference on Intelligent Environments - IE'13		24--29	2013 July	Athens, Greece
	<i>Toward Time Universals Identification in NooJ : A New Model of Time Recognition in Vietnamese</i>	Nooj 2013 International Conference			2013 June	Saarbrücken
	<i>Home appliance control system based on robust indoor user localization using Wifi signals</i>	Human Machine Interaction - HMI 2013			2013 March	Chennai, India
	<i>Object detection and classification for advertising service based on image content</i>	Asia-Link Symposium			2013 March	Institut Teknologi Bandung - Indonesia
	<i>Computer aided plant identification system</i>	International Conference on Computing, Management & Telecommunications - Commantel 2013			2013 January	Hochiminh, Vietnam
	<i>Human posture recognition using human skeleton provided by Kinect</i>	International Conference on Computing, Management & Telecommunications - Commantel 2013			2013 January	Hochiminh, Vietnam
	<i>Temporal gesture segmentation for recognition</i>	International Conference on Computing, Management & Telecommunications - Commantel 2013			2013 January	Hochiminh, Vietnam
National Conference and Workshop Papers						
	<i>Indoor Objects Localization System Using Passive UHF – RFID Technology</i>	National Conference on Electronics and Communications - REV		118-122	2013 December	
	<i>Modelling and simulation of assistive robot by using CAD/CAE</i>	The 2nd Vietnam Conference on Control and Automation		297--304	2013 November	Danang, Vietnam
	<i>Objectness and Gist features: are they good for multiclass object classification</i>	Fundamental and Applied IT Research - FAIR - Hue University- Viet Nam			2013 June	
	<i>Toward to a hybrid mobile object localization method based on WiFi and image</i>	Fundamental and Applied IT Research 2013			2013 June	Hue
Divers publications						
	<i>La passion portant le nom du Vietnam (in Vietnamese)</i>				2013	
	<i>Home appliance control system based on robust indoor user localization using WiFi signals</i>	5th Asia Oceania Regional Workshop on GNSS			2013 December	Hanoi, Vietnam

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	<i>Multimodal indoor localization using heterogeneous technologies</i>	International Workshop on Wireless Communication and User-Centered Services in Pervasive Environments			2013 September	Hanoi, Vietnam
	<i>MICA at ImageClef 2013 Plant Identification task</i>	The fourth CLEF conference			2013 September	
International Project Reports						
	<i>Gestion intelligente de l'accès radio et de la couverture dans les réseaux hétérogènes à large échelle, soumission de projet.</i>				2013	
	<i>ASTRAL Automatic Speech Tools and Recognition for ASEAN Languages, project submission</i>				2013 January	
National Project Report						
	<i>Assistant system for blind people listening short messages in smartphone</i>				2013	
	<i>KC03.07/11-15: SS0003 Building a noise database using one microphone and multi microphone</i>				2013 June	
	<i>KC03.07/11-15: SS0004 Building a speech database using a microphone and multi microphone in noisy environment</i>				2013 June	
	<i>KC03.07/11-15: SS0013 Building a program to speech separation using the time difference between two channels</i>				2013 June	
	<i>KC03.07/11-15: SS0014 Building a program to speech separation using spatial and temporal masking method</i>				2013 June	
	<i>KC03.07/11-15: SS0045 Building a text database for training</i>				2013 June	
	<i>KC03.07/11-15: SS0046 Building and evaluating sentence normalization module</i>				2013 June	
	<i>KC03.07/11-15: SS0072 Building a library for communication protocol between devices using COM port</i>				2013 June	
	<i>KC03.07/11-15: SS0073 Building a library for communication protocol between devices using RJ-45 connection</i>				2013 June	
	<i>KC03.07/11-15: SS0074 Building a library for communication protocol between devices using TCP/IP connection</i>				2013 June	
	<i>KC03.07/11-15: SS0110 Building a speech and noise database for smart home environment</i>				2013 June	
	<i>KC03.07/11-15: SS0118 Building a speech and noise database for oscilator application</i>				2013 June	
	<i>KC03.07/11-15: SS0122 Building a speech and noise database for function generator</i>				2013 June	
	<i>KC03.07/11-15: SS0126 Designing and building the scenarios for evaluating the confidence and naturalness of HMI for control the instruments</i>				2013 June	

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	<i>KC03.07/11-15: SS0128 Building a context scenario for evaluating the performance and usability for instruments</i>				2013 June	
	<i>KC03.07/11-15: SS0022 Building a program for crossed correlation method</i>				2013 April	
	<i>Big data for small languages, project submission</i>				2013 February	
	<i>PLANAR Perception, Localization & Aware Navigation with Assistant Robots, project submission</i>				2013 February	
	<i>APRIL Avancées dans le Prototypage Rapide pour l'Informatisation des Langues, soumission de projet</i>				2013 February	
	<i>NUCLEUS Novel Ubiquitous Computing in Large-scale Environment for Under-mobility Situations, project submission</i>				2013 February	
	<i>Projet ANR-09-Blanc-0171 « Pi » Spoken language technologies for PI-Language. Compte rendu final</i>				2013 February	
Internal Reports						
	<i>Déploiement des capteurs et actionneurs dans l'environnement perceptif en utilisant Arduino</i>				2013	
	<i>Rapport d'activité de l'Institut MICA, évaluation finale de l'UMI</i>				2013	
Misc						
	<i>Evaluation biennale CNRS Rapport d'activité et programme de recherche actualisé. Rapport CNRS</i>				2013 October	
	<i>Master Course</i>				2013 February	
	<i>Master Course</i>				2013 February	
	<i>Master Course</i>				2013 February	
	<i>Master Course</i>				2013 February	
	<i>Master Course</i>				2013 February	
	<i>Master Course</i>				2013 February	
	<i>Demande personnelle de rattachement à l'ED MSTII Grenoble</i>				2013 January	
Masters Thesis						
	<i>Development of instrumentation techniques using programmable chips</i>				2013	
	<i>Study in design and manufacture the 3-D force sensor and measurement system</i>				2013	
	<i>Human posture recognition in videos</i>				2013	
	<i>Object detection and application to advertising service based on image content</i>				2013	
	<i>Speech enhancement using blind source separation – Application in speech recognition (in Vietnamese)</i>				2013 May	

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Engineer Thesis						
	<i>Unusual-sound detection, applications in medicine</i>				2013	
	<i>Vietnamese voice assistance – Speech understanding</i>				2013	
	<i>Multiple human tracking from camera network</i>				2013	
	<i>Human activity recognition with Kinect device</i>				2013	Talence, Bordeaux
	<i>Plant identification system</i>				2013	
	<i>Vietnamese voice assistance</i>				2013	
	<i>Plant identification system for Android</i>				2013	
	<i>Object detections and classifications using a camera attached on mobile Robot</i>				2013	
	<i>Hand gesture recognition with Kinect device</i>				2013	Talence, Bordeaux
	<i>Hand gesture recognition</i>				2013	
	<i>Construction un système d'acquisition vidéo multicanal pour des applications surveillances</i>				2013	5 year internship
	<i>Construction un générateur virtuelle contrôlé par la parole</i>				2013	
	<i>Designing a virtual oscilator by using Labview software, and system of RECO and TTS</i>				2013	
	<i>Construction un système d'acquisition audio-vidéo multicanal pour des applications surveillances dans l'environnement perceptif</i>				2013	
	<i>Vietnamese voice assistance – Fundamental frequency determination</i>				2013	
	<i>Salim ATTIG, Improving localization results using environment constraints</i>				2013	
Invited Conference						
	<i>Developping research activities in Vietnam in Information Technologies: strategy of MICA Institute</i>				2013 November 22	Hanoi, Vietnam
	<i>Speech processing and Natural language processing developments in MICA Institute</i>				2013 May 28	Phnom Penh, Cambodia
Print only 500 publications due to limited allocated memory capacity						