Authors	Title	Book title	Issn	Page	Y/M/D	Address
2020						
Articles in Peer-Reviewed International Journals						
	A hybrid method for mathematical expression detection in scientific document images				2020	
	UFOW2020				2020	
	A fusion method for localization of intelligent vehicles in carparks		2169-3536	99729-99739	2020 may	
	Varietal Classification of Rice Seeds using RGB and Hyperspectral Images		2169-3536	22493-22505	2020 january	
	Collaborative smartphone-based user positioning in a multiple-user context using wireless technologies		1424-8220		2020 january	
International Conference and Workshop papers						
	Exploiting the fine-grained similarity of a large-scale rice species using shape motif discovery	In the proceeding of the 2020 RIVF International Conference on Computing and Communication Technologies			2020 april	
	Person Search by Queried Description in Vietnamese Natural Language	12th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2020)			2020 march	
Divers publications						
	ad1111min000				2020	
	toadok				2020 june	
	toadok				2020 june	
	toadok				2020 june	
	RGB and VIS/NIR Hyperspectral Imaging Data for 90 Rice Seed Varieties				2020 january	
2019						
Articles in Peer-Reviewed International Journals						
	A Projective Chirp Based Stair Representation and Detection from Monocular Images and Its Application for the Visually Impaired				2019	
	Mathematical Variable Detection in Document Images				2019	
	Effective Multi-shot Person Re-identification through Representative Frames Selection and Temporal Feature Pooling				2019	
	UFOW2019				2019	
	Robustness analysis of 3D1 convolutional neural network for human hand gesture recognition				2019 april	

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	Towards an automatic plant identification system without dedicated dataset		2010-3700		2019 february	
Articles in Peer-Reviewed National Journals						
	A deep learning-based method for real-time personal protective detection				2019	
	Xác ??nh v? trí gi?i ph?u c?a d? dày qua n?i soi ???ng tiêu hóa trên s? d?ng m?ng n?-ron tích ch?p		1859-1663	10-13	2019 december	
International Conference and Workshop papers						
	Improving ancient Cham recognition from Cham inscription images using data augmentation and transfer learning	International Workshop on Pattern Recognition for Cultural Heritage (PatReCH 2019)			2019	
	Preliminary results to evaluate the capacity of artificial intelligence application in diagnosis of gastric lesions on upper gastrointestinal endoscopy in Vietnam	In Proceeding of Asian Pacific Digestive Week 2019			2019 december	
	Analyzing Role of Joint Subset Selection in Human Action Recognition	6th NAFOSTED Conference on Information and Computer Science (NICS)			2019 december	
	Labelling Stomach Anatomical Locations In Upper Gastrointestinal Endoscopic Images Using a Convolution Neuronal Network	The procedding of SoICT 2019			2019 december	
	A unified system for mathematical expression detection in scientific document images	Korea-Vietnam International Joint Workshop on Communications and Information Sciences (KICS) 2019			2019 november	
	A fully automated vision-based system for real-time personal protective detection and monitoring	Korea-Vietnam International Joint Workshop on Communications and Information Sciences (KICS) 2019			2019 november	
	Multi-view discriminant analysis for dynamic hand gesture recognition	MAGR: Multi-Sensor for Action and Gesture Recognition, The 5th Asian Conference on Pattern Recognition (ACPR 2019)			2019 november	Auckland, New Zealand
	Comparative evaluation of human detection and tracking approaches for online tracking applications	The International Conference on Advanced Technologies for Communications (ATC)			2019 october	
	Comparative Study of PCA and LDA for Rice Seeds Quality Inspection	In Proceeding of AFRICON 2019			2019 september	
	3D skeleton-based action recognition with convolutional neural networks	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	
	Preliminary Results on Ancient Cham Character Recognition from Cham Inscription Images	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	
	A Quantitative Analysis of the Effect of Human Detection and Segmentation Quality in Person Re-identification Performance	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	
	Mathematical Variable Detection based on Convolutional Neural Network and Support Vector Machine	2nd Int. Conference on Multimedia Analysis and Pattern Recognition (MAPR)			2019 may	

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	Mathematical Variable Detection in PDF Scientific Documents	11th Asian Conference on Intelligent Information and Database Systems (ACIIDS)			2019 april	
2018						
Articles in Peer-Reviewed International Journals						
	Fitting Cylindrical Objects in 3-D Point Cloud Using the Context and Geometrical constraints				2018	
	Images-to-Images Person ReID Without Temporal Linking		ISSN online: 1752-914X, ISSN print: 1752-9131		2018	
	GCSAC: Geometrical Constraint SAmple Consensus for Primitive Shapes Estimation in 3-D Point Cloud		1752-9131		2018	
	Crowdsourcing for botanical data collection towards to automatic plant identification: a review				2018	
	Fusion schemes for image-to-video person re-identification		2475-1839		2018	
	UFOW2018				2018	
	A CONTINUOUS 360° REFLECTION TYPE PHASE SHIFTER WITH LOW LOSS VARIATION AT 2.4GHz FOR INDOOR LOCALIZATION		0973-5763	361--366	2018 august	
	Acquiring qualified samples for RANSAC using geometrical constraints		0167-8655		2018 january	
	Sensibility and Uncertainties Analysis method dedicated to Home Energy Management Problem		0143-6244	50--65	2018 january	
Articles in Peer-Reviewed National Journals						
	Automatic Plant Organs Detection from Images using Convolutional Neural Network (in Vietnamese)				2018	
	Score-based fusion schemes for plant identification from multi-organ images				2018	
	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		1859-0209	40-49	2018 june	
	Fitting spherical objects in 3-D point cloud using the geometrical constraints		1859-0209		2018 april	
International Conference and Workshop papers						
	An effective implementation of Gaussian of Gaussian descriptor for person re-identification	The 5th NAFOSTED Conference on Information and Computer Science (NICS)			2018	
	Inspecting rice seed species purity on a large dataset using geometrical and morphological features	Proceeding of the 9th International Symposium on Information and Communication Technology (SoICT 2018)			2018 december	
	Novel Skeleton-based Action Recognition Using Covariance Descriptors on Most Informative Joints	2018 10th International Conference on Knowledge and Systems Engineering (KSE 2018)			2018 november	

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	A Comparative Study on Detection and Estimation of a 3-D Object Model in a Complex Scene	10th International Conference on Knowledge and Systems Engineering (KSE 2018)			2018 november	
	A Frame-work assisting the Visually Impaired People: Common Object Detection and Pose Estimation in Surrounding Environment	Proceeding of the 5th NAFOSTED Conference on Information and Computer Science (NICS 2018)			2018 november	
	Human violence detection in video: a study using 3D convolutional neural network	Proceeding of the 11th AUN/SEED-Net Regional Conference on Computer and Information Engineering (RCCIE 2018)			2018 november	
	Hand segmentation under different viewpoints by combination of Mask R-CNN with tracking	Proceeding of the 5th Asian Conference on Defense Technology (ACDT 2018)			2018 october	
	Smartphone-based user positioning in a multiple-user context with Wi-Fi and Bluetooth	9th International Conference on Indoor Positioning and Indoor Navigation			2018 september	
	WiFi fingerprinting localization for intelligent vehicles in car park	9th International Conference on Indoor Positioning and Indoor Navigation			2018 september	
	A multi-modal multi-view dataset for human fall analysis and preliminary investigation on modality	International Conference on Pattern Recognition			2018 august	
	High capacity encoding chipless RFID tag based on multi branch H-shaped resonator for sensing application	The 2018 International conference Vietnam-Japan Symposium of Antenna Propagation (VJISAP)	978-6-0467-1081-3	117-123	2018 may	Da Nang, Vietnam
	Enhancing Person Re-identification based on Recurrent Feature Aggregation Network	The 1st International Conference on Multimedia Analysis and Pattern Recognition (MAPR)	978-1-5386-4180-4		2018 april	HCM
	A vision based method for automatic evaluation of rice seed germination rate	The 1st International Conference on Multimedia Analysis and Pattern Recognition (MAPR)	978-1-5386-4180-4		2018 april	
	Improving human action recognition with two-stream 3D convolutional neural network	The 1st International Conference on Multimedia Analysis and Pattern Recognition (MAPR)	978-1-5386-4180-4		2018 april	HCM
	A reliable image-to-video person re-identi?cation based on feature fusion	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						
	Energy Planning: Approaches and Assessment			35--66	2017	
Articles in Peer-Reviewed International Journals						
	UFOW2017				2017	

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	Semantic Regions Segmentation using a spatio-temporal model from an UAV Image Sequence with an optimal data acquisition		2475-1839		2017 october	
	Home Energy Scheduling System: Load Planning with Production Constraints		2319 – 1805	30--44	2017 september	
	Continuous detection of human fall using multimodal features from Kinect sensors in scalable environment		0169-2607		2017 july	
	Improvement of Person Tracking Accuracy in Camera Network by Fusing WiFi and Visual Information		0350-5596		2017 june	
	Abnormality tracking during video capsule endoscopy using an affine triangular constraint based on surrounding features				2017 March	
	Robust anticipative energy management system: Application of a smart building platform		0143-6244	226–248	2017 march	
	The smartphone-based off-line indoor location competition at IPIN 2016: Analysis and future work		1424-8220		2017 march	
Articles in Peer-Reviewed National Journals						
	REAL-TIME TABLE PLANE DETECTION USING ACCELEROMETER INFORMATION AND ORGANIZED POINT CLOUD DATA FROM KINECT SENSOR				2017	
	Energy management strategies for dwellings with photovoltaic production		2354-1083		2017	
	A Bridge approach to fault diagnosis in buildings		2354-1083		2017	
	Energy management for residential Buildings-Intergrated Photovoltaic system		1859-0209	18-27	2017	
	?NG TEN TH? RFID GIÁ THÀNH TH?P DÀNH CHO TR?M THU PHÍ		1859-1531	12-15	2017 november	
	A Textile RFID Antenna for Wearable Applications		2354-1083	109-112	2017 october	
	A real-time dynamic optimization based heuristic algorithm for home energy management system		2354-1083	1-8	2017 september	
	Dynamic Hand Gesture Recognition using Cyclical Patterns of Hand Movement and Its Applications			134-139	2017 June	
International Conference and Workshop papers						
	A Combination of Deep Learning and Hand-Designed Feature for Plant Identification based on Leaf and Flower Images	9th Asian Conference on Intelligent Information and Database Systems (ACIIDS)			2017	Japan
	Indoor Intelligent Vehicle localization using WiFi Received Signal Strength Indicator	IEEE International Conference on Microwaves for Intelligent Mobility 2017			2017	
	Pedestrian Localization and Trajectory Reconstruction in a Surveillance Camera Network	The Eighth International Symposium on Information and Communication Technology (SoICT 2017)	978-1-4503-5328-1		2017 december	Nha Trang, Vietnam

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	Plant identification using late fusion of multi-organ images	The 9th International Conference on Knowledge and Systems Engineering (KSE 2017)	978-1-5386-3576-6		2017 october	
	Collaborative Robotics in Smart Manufacturing, Modelling and Simulation, Robotics and Computer Integrated Manufacturing	27th International Conference on Flexible Automation and Intelligent Manufacturing – FAIM 2017			2017 June	Modena, Italy
	Anwendung von Technologien der Erweiterten Realität bei der Entwicklung eines Robotersystems für Montageaufgaben	Automation 2017			2017 June	Baden-Baden, Germany
	New Cyclical Pattern and Temporal-Spatial Representation for Robust Dynamic Hand Gesture Recognition	Doctoral Consortium of IEEE International Conference on Automatic Face and Gesture Recognition (FG'17)			2017 June	
	Are cyclical hand gestures better than non-cyclical pattern ones	The Fifteenth IAPR International Conference on Machine Vision Applications (MVA 2017)			2017 May	
	Towards a Mobile Robotic Assembly System Using a Compliant Robot	Wissenschaftliche Gesellschaft Montage Handhabung Industrierobotik			2017 February	Bremen, Gernany
	Improving multi-view human action recognition with spatial-temporal pooling and view shifting techniques	The Eight International Symposium on Information and Communication Technology (SoICT2017)	978-1-4503-5328-1		2017 december	
	Single-Feed, Compact, GPS Patch Antenna Using Metasurface	International Conference on Advanced Technologies and Communication ATC	2162-1039	60-64	2017 december	
	Improving poor GPS area localization for intelligent vehicles	IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI)	978-1-5090-6063-4	417-421	2017 november	
	Optimizing data transmission on mobile platform for speech translation system	1st Conference on OCR and NLP for ASEAN Languages			2017 november	Phnom Penh, Cambodia
	Automatic speech segmentation for monosyllabic languages using speech intensity features: experiment on minority languages in Vietnam	1st Conference on OCR and NLP for ASEAN Languages			2017 november	
	Indexing syllable dictionary for non-uniform unit selection speech synthesis: Application on Text-to-speech system on Android devices	1st Conference on OCR and NLP for ASEAN Languages			2017 november	Phnom Penh, Cambodia
National Conference and Workshop Papers						
	A New method for Displayed Mathematical Expression Detection Based on FFT and SVM	The 4th NAFOSTED Conference on Information and Computer Science	978-1-5386-3210-9		2017 november	
	Rapid development of text to speech system for unsupported languages using faking input approach: experiment with Muong	FAIR - Fundamental and Applied IT Research	978-604-913-614-6		2017 august	Da Nang, Vietnam
National Project Report						
	Final report of Nafosted project "Geometric scene analysis as a navigational aid to the visually impaired"				2017	
Internal Reports						

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	Medicinal Plant Identification and Collaborative Information System				2017 march	
PhD Thesis						
	Person localization and identification by fusion of vision and wifi				2017	
	Smartphone-based indoor positioning using WiFi, inertial sensors and Bluetooth				2017 december	
Engineer Thesis						
	Plant identification based on the combination of multiple organs images.				2017	
	Stair detection from color image				2017	
	Human action recognition from video using deep learning				2017 June	
	Development of English-Vietnamese speech translation system on mobile device				2017 June	
2016						
Books and Book Chapters						
	Intelligent surveillance and control of mechanical manufacturing		978-604-51-2184-9		2016	
Articles in Peer-Reviewed International Journals						
	Obstacle detection and warning system for visually impaired people based on electrode matrix and mobile Kinect				2016	
	Z in company names: trendy clothing for a typical Vietnamese sound Z in company names: trendy clothing for a typical Vietnamese sound 1			53-65	2016	
	UFONEW				2016	
	UFONEW2				2016	
	Person Re-Identification for Non-overlapping Cameras in Multimodal Person Localization				2016 june	
	Fully-automated person re-identification in multi-camera surveillance system with a robust kernel descriptor and effective shadow removal method				2016 march	
Articles in Peer-Reviewed National Journals						
	An optimal path solution in smart environment for autonomous robot navigation applications		1859-0551	3-8	2016 july	
	On the validation of a bicycle dynamic model by experiments		2354-1083		2016 june	

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	Obstacle Detection and Distance Estimation using Monocular Camera in Navigation Servies for Visually Impaired People (in Vietnamese)		2525-2224	31--44	2016 June	
	Application of constraint enforcement techniques for the differential algebraic equation model of a two-wheeled vehicle		1859-0209	69-82	2016 april	
	A device-independent method for object localization based on WiFi RSSI fingerprinting		2354-1083		2016 january	
International Conference and Workshop papers						
	Vision based boat detection for maritime surveillance	The 15th International Conference on Electronics, Information and Communication			2016	
	Geometry-based 3D Object Fitting and Localization in Grasping Aid for Visually Impaired People	International Conference on Communications and Electronics (ICCE)			2016	
	STLU 2016 Preface	5th International Workshop on Spoken Language Technologies for Under-resourced Languages (SLTU 2016)			2016	
	An improved saliency-based person re-identi?cation	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	
	Flower species identification Using Deep Convolutional Neural Networks	Regional Conference on Computer and Information Engineering (RCCIE)			2016	
	An evaluation of Hand Pyramid structure for Hand Representation based on Kernels	International Conference on Advances in Information and Communication Technology (ICTA2016)			2016	
	Fault propagation and graph-based path generation for skill-based robot programming	Robotik 2016 (Automatica)			2016	
	Fusion of WiFi and visual signals for person tracking	The Seventh International Symposium on Information and Communication Technology (SoICT 2016)			2016 December	
	Spatial and Spectral Features Utilization on a HyperSpectral Imaging System for Rice Seed Varietal Purity Inspection	12th IEEE RIVF International Conference on Computing and Communication Technology			2016 November	
	Phase Synchronization in a Manifold Space for Recognizing Dynamic Hand Gestures from Periodic Image Sequence	12th IEEE RIVF International Conference on Computing and Communication Technology			2016 November	
	Saving energy consumption by using smart metering system in Base Transceiver Stations	Proceedings of the 9th regional conference on electrical and electronics engineering		383-388	2016 November	
	A Domotic Solution with Vietnamese Speech Interaction	Proceedings of the 9th regional conference on electrical and electronics engineering		258-262	2016 november	
	Indoor navigation assistance system for visually impaired people using multimodal technologies	The 14th International Conference on Control, Automation, Robotics and Vision (ICARCV)	978-1-5090-4757-4		2016 November	

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	Analytical method for multimodal localization combination using Wi-Fi and camera	The 14th International Conference on Control, Automation, Robotics and Vision (ICARCV)	978-1-5090-4757-4		2016 November	
	Speech Production Using An Anthropomorphic and Acoustic Approach	The 9th Regional Conference on Electrical and Electronics Engineering			2016 November	
	Low Speed Vehicle Localization using WiFi FingerPrinting	International Conference on Control, Automation, Robotics and Vision			2016 November	
	Rice seed varietal purity inspection using hyperspectral imaging	the fifth Hyperspectral Imaging and Applications Conference (HSI 2016)			2016 October	Conventry, UK
	Accurate object localization using RFID and Microsoft Kinect Sensor	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	
	Smartphone-based user location tracking in indoor environment	2016 International Conference on Indoor Positioning and Indoor Navigation (IPIN)	978-1-5090-2424-7		2016 October	
	Self Adaptive System for Flexible Robot Assembly Operation	Emerging Technologies and Factory Automation (ETFA)			2016 September	Berlin, Germany
	Contribuer au progrès solidaire des recherches et de la documentation : la Collection Pangloss et la Collection AuCo	31ème Journées d'Études sur la Parole			2016 July	Paris, France
	Entwicklung eines Regelsystems zur Synchronisation einer mobilen Plattform für Montageaufgaben in einer kontinuierlichen Fließfertigung	Automation 2016			2016 June	Baden-Baden, Germany
	Integration of a PID Control System for a Mobile System for Manufacturing Task on Continuous Conveyor	8th IFAC Conference on Manufacturing Modelling, Management and Control			2016 June	Troyes, France
	Selections of Suitable UAV Imagery Configurations for Regions Classification	8th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016)			2016 March	
	Indoor assistance for visually impaired people using a RGB-D camera	Proceeding of the 2016 IEEE Southwest Symposium on Image Analysis and Interpretation			2016 March	New Mexico, USA
	REAL TIME OBSTACLE DETECTION AND AVOIDANCE USING KINECT DEPTH SENSOR AND PIONEER LX MOBILE ROBOT	10th Sound East Asian Technical University Consortium Symposium - SEATUC 2016			2016 February	
	Design of a Small Patch Antenna for Tongue Electrotactile Assistive Device for Blind People	Vietnam-Japan International Symposium on Antennas and Propagation 2016 (VJISAP2016)			2016 February	
	A TEXTILE ANTENNA FOR WEARABLE APPLICATIONS USING RFID TECHNOLOGY	The 10th International Conference on Ubiquitous Information Management and Communication			2016 January	
	Building Thermal Modeling Based on Energy Consumption and Ambient Temperature	10th Sound East Asian Technical University Consortium Symposium - SEATUC 2016		480	2016	
National Conference and Workshop Papers						
	?ánh giá hi?u n?ng gi?i thu?t FAB-MAP* ??nh v? Robot trong nhà s? d?ng thông tin hình ?nh	H?i ngh? qu?c gia l?n th? IX Nghiên c?u c? b?n và ?ng d?ng Công ngh? thông tin			2016 August	

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Divers publications						
	Instrumenations controlled by Vietnamese voice	VLSP 2016 workshop			2016 November	
International Project Reports						
	MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN (project soumission first version)				2016	
	Last results on automatic translation for Vietnamese-French and Vietnamese-Japanese				2016 November	
National Project Report						
	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				2016 December	
PhD Thesis						
	Vision based localization in indoor environment, application for navigational aids for blind people				2016	
	Vision based localization in indoor environment, application for navigational aids for blind people				2016	
	Study and Develop some vision based localization techniques, applied into navigational aids for visually impaired people				2016 September	
	Acoustic gesture modeling. Application to a Vietnamese speech recognition system				2016 March	
Masters Thesis						
	Di fficult situations recognition for visual-impaired aid using mobile Kinect				2016	
	Human posture recognition from multiple Kinects				2016	
	Vision-based Localization				2016 October	
	Vietnamese speech synthesis for some assistant services on mobile devices				2016 January	
Engineer Thesis						
	Saliency-based person reidentification				2016	
	Accurate object localization using RFID and RGB-D camera				2016 June	
	Accurate object localization using RFID and Microsoft Kinect Sensor				2016 June	
	Accurate object localization using RFID and Microsoft Kinect Sensor				2016 June	

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Invited Conference						
	MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN				2016 November	
	MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN				2016 September	
	MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN				2016 September	
	MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN				2016 September	
	MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN				2016 August	
	MELISSA Mobile Exchanges using Language Interaction for Social Services in ASEAN				2016 August	
	Conservation et étude des langues du Vietnam : perspectives ouvertes par la numérisation des archives orales				2016 June 6	Hanoi, Vietnam
	A generic platform for adaptive computing in public buildings in smart cities: application for blind people guidance	The Workshop on ICT Research and Innovation for Sustainable Economic and Social Development in ASEAN			2016 May	
	Information retrieval service for biodiversity: application to Vietnamese medicinal plant identification				2016 May	
Invited Seminar						
	Computer vision group	Open day for young research groups in HUST			2016	
	Feature extraction for object recognition	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 Devleopment in ASEAN (ASEAN RISE2016)			2016 May	
2015						
Books and Book Chapters						
	Modeling Vietnamese speech prosody: A step-by-step approach towards an expressive speech synthesis system			273-287	2015 May	
Articles in Peer-Reviewed International Journals						

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	Tone and intonation: introductory notes and practical recommendations		2364-2440	43-80	2015	
	Speech data acquisition: the underestimated challenge		2364-2440	1-42	2015	
	Strata of standardization: the Phong Nha dialect of Vietnamese (Qu?ng Bình Province) in historical perspective			124-162	2015	
	Phonemic and tonal analysis of the Pianding dialect of Naxi (Dadong County, Lijiang Municipality)			1--35	2015	
	Phrasing, prominence, and morphotonology: How utterances are divided into tone groups in Yongning Na			112-152	2015	
	A combination of user-guide scheme and kernel descriptor on RGB-D data for robust and real-time hand posture recognition				2015	
	UFOW2015				2015	
	Developing a Way-Finding System on Mobile Robot Assisting Visually Impaired People in An Indoor Environment				2015 December	
	Real-Time Obstacle Detection System in Indoor Environment for Visually Impaired Using Microsoft Kinect Sensor			1-13	2015 January	
Articles in Peer-Reviewed National Journals						
	Building thermal modeling using equivalent electric circuit: Application to the public building platform		1859-0551	26-33	2015	
	??????-????????????????? [International Phonetic Alphabet correspondences for the phonetic notations used by J.F. Rock in his Nakhi-English dictionary]			119-124	2015	
	Dataset construction for multi-modal person localization and identification evaluation			112-117	2015	
	Control for an exoskeleton with EMG sensor		1859-4794	19-25	2015	
	Investigation of Base Transceiver Station power load for energy consumption optimization		1859-0551	47-52	2015 December	
International Conference and Workshop papers						
	A New Hand Representation Based on Kernels for Hand Posture Recognition	The Eleventh IEEE International Conference on Automatic Face and Gesture Recognition (FG 2015), ISBN: 978-1-4799-6025-5			2015	
	Complex background leaf-based plant identification method based on interactive segmentation and kernel descriptor	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
	Influences of speaker attitudes on glottalized tones: a study of two vietnamese sentence-final particles	18th International Congress of Phonetic Sciences (ICPhS 2015)	241-0669		2015	

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	How good is Kernel Descriptor on Motion Depth Map for Human Action Recognition	The 10th International Conference on Computer Vision Systems, ISBN: 978-3-319-20904-3			2015	
	A robust model for person re-identification in multi-modal person localization	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	
	Improvements of RGB-D Hand Posture Recognition Using an User-Guide Scheme	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	
	MICA at LifeCLEF 2015: Multi-organ Plant Identication	CLEF 2015 Working Notes proceedings	1613-0073		2015	
	Using hand postures for interacting with assistant robot in library	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
	Comparative study on vision based rice seed varieties identification	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	
	Query-based 3D Object Finding Using Geometrical Constraints on Depth Images for Assisting the Visually Impaired	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	
	A Web-based Plant Identification Application Using Multi-Organ Images Query	Regional Conference on Computer and Information Engineering (RCCIE), ISBN: 978-604-938-689-3			2015	
	The Grenoble System for the Social Touch Challenge at ICMI 2015	17th ACM International Conference on Multimodal Interaction			2015	
	Phonetic insights into a simple level-tone system: 'careful' vs. 'impatient' realizations of Naxi High, Mid and Low tones	Proceedings of ICPhS XVIII (18th International Congress of Phonetic Sciences)			2015	
	Recognition of hand gestures from cyclic hand movements using spatial-temporal features	Proceeding of The Sixth International Symposium on Information and Communication Technology (SoICT 2015), ISBN: 978-1-4503-3843-1			2015	
	A Robust Shadow Removal Technique Applying For Person Localization in a Surveillance Environment	Proceeding of The Sixth International Symposium on Information and Communication Technology (SoICT 2015)			2015	

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	Phonetic insights into a simple level-tone system: 'careful' vs. 'impatient' realizations of Naxi High, Mid and Low tones	Proceedings of ICPhS XVIII (18th International Congress of Phonetic Sciences)			2015	
	Machine Translation from Japanese and French to Vietnamese, the Difference among Language Families	International Conference on Asian Language Processing (IALP)			2015 October	Suzhou,China
	Automatic cattle location tracking using image processing	The 2015 European Signal Processing Conference (EUSIPCO)	2076-1465	5	2015 September	Nice, France
	Development of a mobile robot system for assembly task on continuous conveyor	International Conference on Innovative Technologies	?1849-0662	331-334	2015 September	Dubrovnik, Croatia
	Synchronisation von mobilen Robotern zu einer kontinuierlichen Fließfertigung für Montageaufgaben	Automation 2015	978-3-18-092258-4	465-475	2015 June	Baden-Baden, Germany
National Conference and Workshop Papers						
	Vietnamese medicinal plants retrieval system for Android	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
	Obstacle detection and warning for visually impaired people based on electrode matrix and mobile Kinect	The second NAFOSTED Conference on Information and Computer Science (NICS), ISBN: 978-1-4673-6638-0			2015	
	Table plane detection using Geometrical constraints on depth images	The 8th Vietnamese Conference FAIR - Fundamental and Applied IT Research, Hanoi, VietNam, 2015, ISBN: 978-604-913-397-8			2015	
	Dynamic hand gesture recognition utilizes Spatial-Temporal features	The 8th Vietnamese Conference FAIR - Fundamental and Applied IT Research, Hanoi, VietNam, 2015, ISBN: 978-604-913-397-8			2015	
	A new technique for linking person trajectories in surveillance camera network	The 8th Vietnamese Conference FAIR - Fundamental and Applied IT Research, Hanoi, VietNam, 2015			2015	
	Infrastructure for power measurements in households	The 6th National Metrology Conference 2015			2015	
	Detection and estimate the distance to the obstacle warning support for the visually impaired (in Vietnamese)	National Conference on Electronics, Communications and Information Technology – ECIT2015, ISBN: 978-604-67-0635-9		45-50	2015 December	
	Xây d?ng mô hình nhi?t 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	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						
	Projet « ShootMyMind ». Rapport première réunion à Hanoi				2015	
	Project Vietnam-Japan "Virtual and Augmented Reality Studio", soumission de project				2015	
	Projet GDRI IConES d'Asie, rapport de soumission du pré-projet				2015 November	

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	Projet de création du Centre CSSD Computer Science for Social Development. Rapport de soumission du projet				2015 October	
	ZEIN2012RIP19: Yearly Project Report: Visually Impaired People Assistance using Multimodal Technology				2015 August	
	ZEIN2012RIP19: Yearly Project Report: Visually Impaired People Assistance using Multimodal Technology				2015 August	
National Project Report						
	KC03.07/11-15: Final report of the project KC03-Phase 2				2015 October	
	National Project "Study and Build an automatic translation for Vietnamese and minority languages without handwritting", project proposal				2015 October	
	KC03.07/11-15: Summarize report of the project KC03 - Phase 2				2015 October	
	KC03.07/11-15: Technical report 1 of the project KC03 - Phase 2				2015 October	
	KC03.07/11-15: Technical report 2 of the project KC03 - Phase 2				2015 October	
	KC03.07/11-15: SS0007 Building a program for the maximize the small band method				2015 June	
	KC03.07/11-15: SS0010 Testing and evaluating the ASR system with simulation and real speech database				2015 June	
	KC03.07/11-15: SS0020 Studying some analysis method basing on acoustic model				2015 June	
	KC03.07/11-15: SS0024 Testing and evaluating the ASR system with simulation and real speech database (for smart room)				2015 June	
	KC03.07/11-15: SS0034 Testing and evaluating the ASR system with simulation and real speech database (for function generator)				2015 June	
	KC03.07/11-15: SS0040 Testing and evaluating the ASR system with simulation and real speech database (for oscillator)				2015 June	
	KC03.07/11-15: SS0041 Studying and fusion some methods for integrating in a robusness ASR system				2015 June	
	KC03.07/11-15: SS0111 Analyzing the environment condition and propose speech enhancement method to build a robustness ASR system				2015 June	
	KC03.07/11-15: SS0113 Building a center processing system for ASR, TTS and interaction				2015 June	
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	Building library that work with the EnOcean sesors on Raspberry Pi				2015	
	Study of energy-saving solutions for microcontrollers				2015	

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	Study and develop a speech translation system on smartphone, applied for French-to-Vietnamese				2015	
	T2015-095: Final Project Report				2015 November	
	T2015-095: Review on ship detection and Tracking using Computer Vision Techniques				2015 November	
	T2015-095: Ship detection using Background subtraction and Saliency Detection				2015 November	
	T2015-095: Ship tracking using Kalman Filter				2015 November	
	B2013-01-41: Final Project Report				2015 October	
	B2013.01.48: System deployment, evaluation and analysis				2015 june	
	B2013.01.48: Tools for environment modeling and object tracking				2015 june	
	B2013.01.48: Multimodal localization system				2015 june	
	B2013.01.48: Object localization module based on cameras, RFID and WiFi				2015 june	
	B2013.01.48: Database for environment, user and context information				2015 june	
	B2013.01.48: Object localization system - System design				2015 june	
	B2013.01.48: Optimal path finding and navigation aid for blind people				2015 june	
	B2013.01.48: Project final report				2015 june	
	B2013.01.48: Shortened project final report				2015 june	
	B2013.01.48: SS1 - Overview of localization technologies				2015 june	
	B2013.01.48: SS02 - Development of camera-based localization system				2015 june	
	B2013.01.48: SS03 - Development of RFID-based localization system				2015 june	
	B2013.01.48: SS05 - Development of WiFi-based localization system				2015 june	
	B2013.01.48: SS04 - Cross-platform mobile app for WiFi signal strength collection				2015 june	
	B2013.01.48: SS06 - Experimentation and evaluation of unimodal localization systems				2015 june	
	B2013.01.48: SS07 - Design of network infrastructure				2015 june	
	B2013.01.48: SS08 - Multimodal localization module based on cameras, RFID, WiFi				2015 june	
	B2013.01.48: SS09 - Localization accuracy enhancement using environment information				2015 june	
	B2013.01.48: SS10 - Design of database for environment, user and context information				2015 june	
	B2013.01.48: SS11 - Database for environment, user information and dynamic map				2015 june	
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	B2013.01.48: SS13 - Optimal path finding module using environment information				2015 june	
	B2013.01.48: SS14 - Solution for tuning optimal paths on the basis of context information				2015 june	
	B2013.01.48: SS15 - Development of human-system interaction app				2015 june	
	B2013.01.48: SS16 - Software for object tracking and examination				2015 june	
	B2013.01.48: SS17 - System installation and evaluation in real environment				2015 june	
	B2013.01.48: SS17 - System installation and evaluation in real environment				2015 June	
Transfer Project Reports						
	High quality Vietnamese TTS engine for Android				2015 December	B1 Building Hanoi University of Science and Technology
Misc						
	Poster in TechMart 2015				2015 October	
	MICA OPEN DAY "Introduction of student projects to PFIEV & Talen students"				2015 October	
PhD Thesis						
	Visual interpretation of hand postures for human-machine interaction				2015 December	
	HMM-based Vietnamese Text-To-Speech: Prosodic Phrasing Modeling, System Design, Corpus Design and Evaluation				2015 September	15 Rue Georges Clemenceau, 91400 Orsay, France
Masters Thesis						
	Human Detection and Tracking in a Surveillance Camera Network				2015	
	Parsing Technique in Text-To-Speech System.				2015 November	B1 Building Hanoi University of Science and Technology
	Development of an environmental measurement system, application in the field of meteorology				2015 April	HUST
	Human fall detection using Kinect Sensor				2015 February	
	Studying the phonetic characteristics of glottalized tones in Vietnamese expressive speech				2015 January	B1 Building Hanoi University of Science and Technology
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	Developing vision module for multimodal object localization system				2015	
	Obstacle detection and warning for visually impaired people based on electrode matrix and mobile Kinect				2015	
	Multi-organ plant identification				2015	
	Feature extraction for multi-organ plant identification				2015	
	Dynamic Hand Gesture Recognition using spatio-temporal features				2015	
	Multiple Kinect calibration for building human trajectories in a Kinect Network				2015	
	Developing a Text-to-Speech engine which uses non-uniform acoustic units on Android				2015	C9 Building Hanoi University of Science and Technology
	Studying and developing a text normalization module, application into TTS on android devices				2015	C9 Building Hanoi University of Science and Technology
	Name card recognition based on image processing on mobile devices				2015	C1 Building Hanoi University of Science and Technology
	Cardvisit recognition using image processing techniques				2015	
	Home security system in using camera and smart phone				2015 December	
	Design an automatic door curtian				2015 August	
	Indoor user localization based on WiFi fingerprinting using RSSI measurement				2015 June	
	Development of Speech database management system for high quality Vietnamese text to speech synthesis				2015 June	C9 Building Hanoi University of Science and Technology
	Human action recognition using Kinect sensor				2015 June	
Invited Conference						
	Vietnamese social affect: expression and perception				2015 August 20	Phonetics department, University of Cologne, Cologne, Germany
	Ambient computing for large scale pervasive environments				2015 May	
	Linguistic studies and data collection for South-East Asia under-resourced languages				2015 May	
	Data collection and linguistic studies for South-East Asia endangered languages				2015 April	
	User localization and adaptative control in pervasive environments				2015 April	
	Panorama of research actions at MICA Institute				2015 April	
	A generic platform for adapted computing in public buildings.				2015 February 2	

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Invited Seminar						
	"ICT for food security - an application for rice in ASEAN countries", project proposal	ASEAN IVO			2015 November	
	Mining parallel corpora for multilingual machine translation system	ASEAN IVO			2015 November	
	Presentation for receiving equipments of RF platform project	Presentation of the rate of process of RF platform project			2015 August	
2014						
Books and Book Chapters						
	Some Current Advanced Researches on Information and Computer Science in Vietnam			1-15	2014	
	An Efficient Combination of RGB and Depth for Background Subtraction				2014	
Articles in Peer-Reviewed International Journals						
	UFOW2014				2014	
	Design of High-Gain and Beam Steering Antennas Using a New Planar Folded-Line Metamaterial Structure			16	2014 September	
	Documenting and researching endangered languages: the Pangloss Collection		1934-5275	119-135	2014 June	
	User localization in complex environments by multimodal combination of GPS, WiFi, RFID and pedometer technologies				2014 March	
Articles in Peer-Reviewed National Journals						
	Access control using face recognition				2014	
	A 2D Human Posture Recognition Method in Images and Videos				2014	
	?????????????——????????????????? (Historical transfer of nasality between consonantal onset and vowel: from C to V or from V to C?)			159-188	2014	
	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				2014	
	Automatic Localization and Navigation Assistance for Visually Impaired People Using Robot				2014 October	
	Effect of Sentence-Final Particles on Generation of Fundamental Frequency in Standard Vietnamese		0868-3980	171-178	2014 August	
	Optimization of joint trajectory tracking controller of assistive robot for mobile disabled people		1859-0551	21-26	2014 August	

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	A vision -based system for autonomous Map Building and Localization				2014 June	
	Application of localization and event detection by sound in tele-medicine		1859-1043	70--76	2014 April	
	Application of speech processing technology in development of a target distance input system		1859-0551		2014 April	
	Gi?i pháp s? d?ng k? thu?t x? lý âm thanh trong ?i?u khi?n ppk 37mm		1859-1043	77-85	2014 April	
International Conference and Workshop papers						
	An analysis on human fall detection using skeleton from Microsoft Kinect	The fifth IEEE International Conference on Communications and Electronics (ICCE)			2014	
	Kernel descriptor based plant leaf identification	4th International Conference on Image Processing Theory, Tools and Applications			2014	
	Dynamic hand gesture recognition using RGB-D motion history and kernel descriptor	The International Conference on Advanced Technologies for Communications 2014			2014	
	Multimodal Vietnamese medicinal plants retrieval system for Android	Regional Conference on Computer and Information Engineering (RCCIE) 2014			2014	
	Fully automatic leaf-based plant identification, application for Vietnamese medicinal plant search	The fifth symposium on Information and Communication Technology (SoICT 2014)			2014	
	Intonation Issues In HMM-Based Speech Synthesis For Vietnamese	International workshop on Spoken Langages Technologies for Under-resourced languages	978-5-8088-0908-6.	98-104	2014	
	A Vision-based system supports mapping services for visually impaired people in indoor environments	The 13th International Conference on Control, Automation, Robotics and Vision, ICARCV 2014			2014 December	
	Hand postures recognition using Kernel Descriptor	The 6th International Conference on Intelligent Human Computer Interaction			2014 December	Paris, France
	System Design, Implementation and Applications of a Pervasive-Space Platform	SoICT 2014 is the fifth symposium on Information and Communication Technology			2014 December	
	Non-linear Model for Nanomaterial Delivery System	The 2nd KICS Korea-Vietnam International Workshop on Information and Communications	978-89-950043-5-7	57-61	2014 December	
	A Circularly Polarized Passive RFID Tag on Wall	2014 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE)		83-86	2014 December	
	Semantic Regions Recognition in UAV Images Sequence	The sixth international conference on Knowledge and System Engineering (KSE)			2014 October	
	Application of speech technologies for Vietnamese language on smartphone. VIetnamese Voice Assistant system (VIVA)	Regional Conference on Computer and Information Engineering (RCCIE)	978-602-71396-0-2	107-111	2014 October	
	Indoor Localization System using Passive UHF RFID Tag and Multi-Antennas	The International Conference on Advanced Technologies for Communications 2014	978-1-4799-6955-5	405-410	2014 October	
	Circularly Polarized Passive UHF RFID Tag on Wall for Indoor Object Identification and Localization	The International Conference on Advanced Technologies for Communications 2014	978-1-4799-6955-5	48-53	2014 October	

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	A Visual SLAM System on Mobile Robot Supporting Localization Services to Visually Impaired People	International Workshop on Computer Vision and Robotics (ACVR) in the 13th conference ECCV - Zurich Switzerland			2014 September	
	Prosodic phrasing modeling for Vietnamese TTS using syntactic information	INTERSPEECH 2014	1990-9770	2332-2336	2014 September	
	A Web-Based Education System for Reading Video Capsule Endoscopy	The 22nd International Conference on Pattern Recognition			2014 August	Stockholm, Sweden
	Segmenting Reddish lesions in Capsule Endoscopy Images Using a GastroIntestinal Color Space	The 22nd International Conference on Pattern Recognition			2014 August	Stockholm, Sweden
	A Method for Efficient Environment Modeling in Pervasive Applications	The International Conference on Communications and Electronics			2014 August	
	Mapping Services in Indoor Enviroments based on Image Sequences	The 5th International Conference on Communications and Electronics			2014 July	
	Abnormal event detection using multimedia information for monitoring system	The 5th IEEE International Conference on Communications and Electronics	978-1-4799-5050-8	490-495	2014 July	
	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	4th International Workshop on Spoken Language Technologies for Under-resourced Languages (SLTU 2014)			2014 May	
	Indoor localization and applications	Recent Advances and Developments in Communication Systems			2014 February	Ho Chi Minh city, Vietnam
	Indoor Localization System based on Passive RFID Tags	2014 Fifth International conference on Intelligent Systems, Modelling and Simulation	978-1-4799-3857-5	579-584	2014 January	
National Conference and Workshop Papers						
	Improving localization precision of visual SLAM using Kalman filter	Fundamental and Applied IT Research - FAIR - Thai Nguyen University- Viet Nam - June			2014	
	Vision-based object detection, tracking and localization for indoor environment	2014 National Conference on Electronics, Communications and Information Technology – REV-ECIT2014			2014	
	Noise suppression in depth map for improved background segmentation	FAIR - Fundamental and Applied IT Research			2014	Thai Nguyen, Vietnam
	Depth Data from Kinect Sensor: Reparing and Ultilization (in Vietnamese)	Fundamental and Applied IT Research - FAIR - Thai Nguyen University- Viet Nam - June			2014	
	Power Supervise For Green Base Stations In Cellular Networks Using ADE7753	2nd AUN/SEED-Net Regional Conference on Energy Engineering			2014 November	
	Fuzzy logic control solution for motion system of an assistive robot for mobile disabled people	The 7th Vietnam Conference on Mechatronics			2014 November	Dong Nai, Vietnam
	Navigational Aids to Visually Impaired People in Pervasive Environments using Robot (in Vietnamese)	National Conference on Electronics, Communications and Information Technology – ECIT2014 - Nha Trang-VietNam			2014 September	

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	Real-time abnormal events detection combining motion templates and object localization	The first NAFOSTED Conference on Information and Computer Science (NICS 2014)			2014 March	
	Background Subtraction with KINECT data: An Efficient Combination RGB and Depth	The first NAFOSTED Conference on Information and Computer Science (NICS 2014)		160--169	2014 March	
International Project Reports						
	Projet "ShootMyMind", Soumission de projet				2014	
	Projet SIM-Cities (Sustainable and Intelligent Mobility for Smart Cities. Soumission de projet				2014	
	ZEIN2012RIP19 Yearly Report: Visually Impaired People Assistance using Multimodal Technology				2014	
	Visually impaired people assistance using multimodal technologies				2014 July	
National Project Report						
	National Project "Thi?t k? awngten linh ho?t và các thi?t b? cao t?n s? d?ng công ngh? in trên các v?t li?u m?m ph?c v? cho các ?ng d?ng công ngh? không dây hi?n ??i", project proposal in FIRST program				2014 December	
	KC03.07/11-15: SS0015 Testing and evaluating the ASR system with simulation and real speech database (for smart home application)				2014 December	
	KC03.07/11-15: SS0017 Building a program for blind source separation method using with space information				2014 December	
	KC03.07/11-15: SS0019 Building a program for blind source separation method using IVA technique				2014 December	
	KC03.07/11-15: SS0019 Testing and evaluating the ASR system with simulation and real speech database (for oscillator)				2014 December	
	Testing and evaluating the ASR system with simulation and real speech database (for function generator)				2014 December	
	KC03.07/11-15: SS0029 Testing and evaluating the ASR system with simulation and real speech database (for function generator)				2014 December	
	KC03.07/11-15: SS0121 Building a program of HMI by Vietnamese voice for oscillator				2014 December	
	KC03.07/11-15: SS0125 Building a program of HMI by Vietnamese voice for function generator				2014 December	
	projet « ALLIED - Approche des Langues en danger combinant Linguistique et Ingénierie, Etude et Documentation », soumission de projet				2014 October	
	projet « RAPACE Rapid Access Platform for Asian Community Exchanges", Soumission de projet				2014 October	

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	KC03.07/11-15: SS0008 Building a program for adaptive beamforming method				2014 April	
	KC03.07/11-15: SS0009 Building a program for minimize beamforming using variance				2014 April	
	KC03.07/11-15: SS0016 Studying some technique using blind source separation				2014 April	
	KC03.07/11-15: SS0021 Building a program for some technique using the correlation function and speech fragment method				2014 April	
	KC03.07/11-15: SS0030 Studying some techniques of the spectral vector normalization using for ASR system in noisy environment				2014 April	
	KC03.07/11-15: SS0035 Studying some adaptive acoustic model techniques				2014 April	
	KC03.07/11-15: SS0036 Studying and training the acoustic model using speech database in noisy environment				2014 April	
	KC03.07/11-15: SS0037 Studying and executing the VTS method using speech database in noisy environment				2014 April	
	KC03.07/11-15: SS0038 Studying and executing the MLLR method using speech database in noisy environment				2014 April	
	KC03.07/11-15: SS0039 Studying and executing the PMC method using speech database in noisy environment				2014 April	
	KC03.07/11-15: SS0053 Building a speech database for TTS system				2014 April	
	KC03.07/11-15: SS0119 Study and select a suitable ASR and TTS for the application (oscillator)				2014 April	
	KC03.07/11-15: SS00123 Study and select a suitable ASR and TTS for the application (function generator)				2014 April	
	KC03.07/11-15: SS0130 Analyse all requests of the problem				2014 April	
	KC03.07/11-15: SS0131 System design				2014 April	
	Nghiên c?u, ?ng d?ng CNTT trong xây d?ng h? th?ng giám sát, h? tr? ch?m sóc b?nh nhân t?i phòng ?i?u tr? thông minh (Abnormal event detection using multimedia information for monitoring system)				2014 March	
Internal Reports						
	VnMed - VietNamese MEDicinal Plant Retrieval Tool				2014	
	VIetnamese Voice Assistant system (VIVA) - Project report				2014 December	
	Management and superveillance system design (in vietnamese)				2014 November	
	A study for automatic user-context adaptive supervision and controlling system in smart environment (in Vietnamese)				2014 November	
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	Multiple objects detection and segmentation in an image sequence based on a coherent probabilistic model				2014	
	Environment modeling and application for pervasive space systems				2014 October	
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	Plant identification based on kernel descriptor				2014	
	Détection et suivi d'humains à partir d'un réseau de caméra 3D				2014	
	Kinect-based dynamic hand gesture recognition				2014	
	Object recognition using mobile camera for helping visually impaired people				2014	
	Robot vocal tract simulation				2014	
	Hand gesture database for hand gesture recognition				2014	
	Hand detection for hand posture recognition system				2014	
	Hand posture recognition system				2014	
	Path-Finding and Navigation in Dynamic Environments				2014 September	
	Combinaison multimodale de technologies de localisation utilisant le Wifi et la vision par ordinateur				2014 August	
	Acces control system using RFID technology				2014 June	
Invited Conference						
	Le panorama de la recherche au Vietnam.				2014 December 15	
	Multimedia studio design: basics technics.				2014 November 17	
	La préservation des archives sonores : outils et résultats de l'Institut de recherche international MICA.				2014 November 4	
	Technologies vocales: des outils pour la préservation des archives sonores.				2014 June 25	
2013						
Books and Book Chapters						
	Transhimalayan Linguistics			275-311	2013	
Articles in Peer-Reviewed International Journals						
	SWEET HOME ICT technologies for the assessment of elderly subjects				2013	
	Review of: Pinson, Thomas M. 2012. A Naxi-Chinese-English Dictionary (Naqxi-Habaq-Yiyu Ceeqdiail / ??????)			129-137	2013	
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	Path-tracking control of a riderless bicycle via road preview and speed adaptation		1934-6093	1-15	2013 September	
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	Indoor positioning system based on passive RFID		0868-3980	96-100	2013	
	Determination of threshold for speech enhancement based on phase difference information using two microphones in real environment		0868-3980	28-33	2013	
	Scene classification for advertising service based on image content				2013	
	Object classification: A comparative study and applying for advertisement services based on image content				2013	
	Application of Beagleboard C4 platform in controlling devices using Vietnamese voice recognition				2013 May	
International Conference and Workshop papers						
	Assessing the relevance of reduced order models for building envelop	The 13th International Conference of the International Building Performance Simulation Association			2013	
	How can human communicate with robot by hand gesture?	International Conference on Computing, Management and Telecommunications, 21-24 January 2013, Hochiminh City			2013	
	Antenna Design for Tongue Electrotactile Assistive Device for the Blind and Visually-Impaired	7th European Conference on Antennas and Propagation (EuCAP)			2013	Gothenburg, Sweden
	Application of an anticipative energy management system to an office platform	The 13th International Conference of the International Building Performance Simulation Association			2013	
	When diachrony is helping for a synchronic study: the case of the Mo Piu tones from the Hmong-Mien family in Northern Vietnam	SEALS 23 (Conference on South-Est Asian Languages)			2013	
	Machine Translation Approach for Vietnamese Diacritic Restoration	IALP 2013			2013	
	Multimodal combination of GPS, WiFi, RFID and step count for user localization	The 8th International Conference on Ubiquitous Information Technologies and Applications		675--681	2013 December	Danang, Vietnam
	Application of environment constraints in improving localization accuracy	The 8th International Conference on Ubiquitous Information Technologies and Applications		441--447	2013 December	Danang, Vietnam
	Home appliance control system based on robust indoor user localization using WiFi signals	5th Asia Oceania Regional Workshop on GNSS			2013 December	Hanoi, Vietnam
	Studying level-tone systems in Asia: the case of the Naish languages	Proceedings of International Conference on Phonetics of the Languages in China (ICPLC-2013)	978-962-442-371-6	1-6	2013 December	
	A platform for pervasive application development	International Workshop on Personal Assistance for Mobility and Manipulation		48--53	2013 November	

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	A Wearable Assistive Device for the Blind Using Tongue-Placed Electrotactile Display: Design and Verification	The Second International Conference on Control, Automation and Information Sciences (ICCAIS 2013)			2013 November	Nha Trang, Viet Nam
	Scene description for visually impaired in outdoor environment	International Conference on Advanced Technologies and Communication ATC			2013 October	
	A Wireless Assistive Device for Visually-impaired Persons using Tongue Electrotactile System	International Conference on Advanced Technologies for Communications - ATC 2011			2013 October	
	Leaf based plant identification system for Android using SURF features in combination with Bag of Words model and supervised learning	International Conference on Advanced Technologies for Communications (ATC)			2013 October	
	A human gait model using graph-theoretic method	3rd IFToMM International Symposium on Robotics and Mechatronics - ISRM 2013		535--544	2013 October	
	A vision based method for automatizing tea shoots detection	International Conference on Image Processing (ICIP)			2013 September	Melbourne, Australia
	Manual and automatic tone annotation: the case of an endangered language from North Vietnam "Mo Piu"	INTERSPEECH 2013			2013 August	Lyon, France
	The interplay of intonation and complex lexical tones: how speaker attitudes affect the realization of glottalization on Vietnamese sentence-final particles	INTERSPEECH 2013			2013 August	Lyon, France
	Production and perception of pseudo-V1CV2 outside the vowel triangle: Speech illusion effects	INTERSPEECH 2013			2013 August	Lyon, France
	HMM-based TTS for Hanoi Vietnamese: issues in design and evaluation	INTERSPEECH 2013			2013 August	Lyon, France
	A robust WLAN positioning system based on probabilistic propagation model	The 9th International Conference on Intelligent Environments - IE'13		24--29	2013 July	Athens, Greece
	Toward Time Universals Identification in NooJ : A New Model of Time Recognition in Vietnamese	Nooj 2013 International Conference			2013 June	Saarbrücken
	Home appliance control system based on robust indoor user localization using Wifi signals	Human Machine Interaction - HMI 2013			2013 March	Chennai, India
	Object detection and classification for advertising service based on image content	Asia-Link Symposium			2013 March	Institut Teknologi Bandung - Indonesia
	Computer aided plant identification system	International Conference on Computing, Management & Telecommunications - Commantel 2013			2013 January	Hochiminh, Vietnam
	Human posture recognition using human skeleton provided by Kinect	International Conference on Computing, Management & Telecommunications - Commantel 2013			2013 January	Hochiminh, Vietnam
	Temporal gesture segmentation for recognition	International Conference on Computing, Management & Telecommunications - Commantel 2013			2013 January	Hochiminh, Vietnam
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	Indoor Objects Localization System Using Passive UHF – RFID Technology	National Conference on Electronics and Communications - REV		118-122	2013 December	

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	Modelling and simulation of assistive robot by using CAD/CAE	The 2nd Vietnam Conference on Control and Automation		297--304	2013 November	Danang, Vietnam
	Objectness and Gist features: are they good for multiclass object classification	Fundamental and Applied IT Research - FAIR - Hue University- Viet Nam			2013 June	
	Toward to a hybrid mobile object localization method based on WiFi and image	Fundamental and Applied IT Research 2013			2013 June	Hue
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	La passion portant le nom du Vietnam (in Vietnamese)				2013	
	Home appliance control system based on robust indoor user localization using WiFi signals	5th Asia Oceania Regional Workshop on GNSS			2013 December	Hanoi, Vietnam
	Multimodal indoor localization using heterogeneous technologies	International Workshop on Wireless Communication and User-Centered Services in Pervasive Environments			2013 September	Hanoi, Vietnam
	MICA at ImageClef 2013 Plant Identification task	The fourth CLEF conference			2013 September	
International Project Reports						
	Gestion intelligente de l'accès radio et de la couverture dans les réseaux hétérogènes à large échelle, soumission de projet.				2013	
	ASTRAL Automatic Speech Tools and Recognition for ASEAN Languages, project submission				2013 January	
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	Assistant system for blind people listening short messages in smartphone				2013	
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	KC03.07/11-15: SS0004 Building a speech database using a microphone and multi microphone in noisy environment				2013 June	
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	KC03.07/11-15: SS0014 Building a program to speech separation using spatial and temporal masking method				2013 June	
	KC03.07/11-15: SS0045 Building a text database for training				2013 June	
	KC03.07/11-15: SS0046 Building and evaluating sentence normalization module				2013 June	
	KC03.07/11-15: SS0072 Building a library for communication protocol between devices using COM port				2013 June	
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	KC03.07/11-15: SS0122 Building a speech and noise database for function generator				2013 June	
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	KC03.07/11-15: SS0128 Building a context scenario for evaluating the performance and usability for instruments				2013 June	
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	NUCLEUS Novel Ubiquitous Computing in Large-scale Environment for Under-mobility Situations, project submission				2013 February	
	Projet ANR-09-Blanc-0171 « Pi » Spoken language technologies for PI-Language. Compte rendu final				2013 February	
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	Rapport d'activité de l'Institut MICA, évaluation finale de l'UMI				2013	
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