

DANH SÁCH CÁC BÀI BÁO KHOA HỌC NĂM HỌC 2013 – 2014

Viện Công nghệ thông tin và Truyền thông

1. Tạp chí SCI/SCIE

- 1) Le Anh Phuong, Tran Dinh Khang, Generalized Modus Tollens with Linguistic Modifiers for Inverse Approximate Reasoning, International Journal of Computational Intelligent Systems, Volume 7, Number 3, 2014, pp. 556-564, ISSN 1875-6891.
- 2) Hai Van Pham, Thang C., Cooper E. W. and Kamei K, Hybrid Kansei-SOM Model using Risk Management and Company Assessment for Stock Trading, Information Sciences, Volume 256, (pp. 8-24) 20/1/2014, ISSN: 0020-0255.
- 3) Phan-Thuan DO, Dominique ROSSIN and Thi-Thu-Huong TRAN, Permutations weakly avoiding barred patterns and combinatorial bijections to generalized Dyck and Motzkin paths, Discrete Mathematics, 320(2014), 0012-365X.
- 4) Ylies Falcone, Mohamad Jaber, T-H Nguyen, M. Bozga, S. Bensalem, Runtime verification of component-based systems in the BIP framework with formally-proved sound and complete instrumentation, In Software & System Modeling, April, 2013, 1619-1366.
- 5) S. Bensalem, M. Bozga, A. Legay, T-H Nguyen, J. Sifakis, R. Yan, Component-based Verification using Incremental design and Invariants, In Software & System Modeling, April, 2014, 1619-1366.
- 6) Dieu Linh Truong, Thuan Phan Do and Anh T. Pham, Optimization of survivable mesh long-reach hybrid WDM-TDM PONs, J. OPT. COMMUN. NETW., Vol 6, No. 1, Jan (2014), 1943-0620.

2. Tạp chí quốc tế

- 1) Huynh Quyet Thang, Nguyen Ngọc Dung, Nguyen Hung Cuong, Method for Evaluation of Quality Properties in SaaS Rejuvenation using Markov Model, International Journal of Engineering Research & Technology (IJERT). Vol. 3 Issue 4, April – 2014, pp. 1853-1859. ISSN: 2278-0181
- 2) Dung Cao Tuan, Viet Hoang Anh, Thuan Pham Van, An approach to enhance the accuracy of diagnosis and improve signal performance in ECG system, International Journal on Engineering Research and Technology (IJERT), ISSN: 2278- 0181, Vol. 2, Issue.10, pp.567-572.

- 3) Truong Dieu Linh, Cao Van Khang, Physical topology design for survivable optical networks with Shared Risk Group consideration, *Journal of Science & Technology* , vol. 101, 2004, pages 150-155.
- 4) B.M. Nguyen, High-level Abstraction Layer for Development and Deployment of Cloud Services, *Journal of Information Sciences and Technologies Bulletin of the ACM Slovakia*. Vol. 6, No. 1 (2014), p. 9-18. ISSN: 1338-1237.
- 5) Hai V. Pham, Khang D. Tran, Katsuari Kamei, Applications using Hybrid Decision Support Systems for selection of alternatives under uncertainty and risk, *International Journal of Innovative Computing, Information and Control* , Vol. 10, No. 1, Feb. 2014, ISI index
- 6) Khoat Than, Tu Bao Ho, and Duy Khuong Nguyen, An effective framework for supervised dimension reduction, *Neurocomputing*, Vol 139, pp. 397-407, 2014.
- 7) Huynh Thi Thanh Binh, Multi-objective genetic algorithm for solving Multi-layer optical survivable network design problem, *Journal of Convergence*, Vol. 5, Number 1, March 2014, pp. 20-24.
- 8) Tung Hai Ta, Duc Minh Truong, Tu Thanh Thi Nguyen, Hieu Trung Tran, Thuan Dinh Nguyen, Gustavo Belforte, Multi-GNSS positioning campaign in South-East Asia, *Coordinates magazine*, Volume IX, Issue 11, November 2013.
- 9) Phan Xuan Tan, Nguyen Manh Cuong, Ngo Minh Phuoc, Ha Quoc Trung, Bk7mon Solution For Ubiquitous Network Physical Access Management And Monitoring, *Journal of Science & Technology Technical Universities (ISSN 0868-3980)*, No. 95, 2013.
- 10)Phuong Khanh Nguyen, Teodor Gabriel Crainic, Michel Toulouse, A tabu search for Time-dependent Multi-zone Multi-trip Vehicle Routing Problem with Time Windows, *European Journal of Operational Research* 231(1): 43-56 (2013)
- 11)Phuong Khanh Nguyen, Teodor Gabriel Crainic, Michel Toulouse, A Hybrid Generational Genetic Algorithm for the Periodic Vehicle Routing Problem with Time Windows, *Journal of Heuristics* 20(4): 383-416 (2014)
- 12)Anh Pham The, Nguyen Duc Thang, La The Vinh, Young-Koo Lee, and Sungyoung Lee, Deflation-Based Power Iteration Clustering, *Applied Intelligence*, volume 39, issue 2, pp 367-385, ISSN: 0924-669X, September 2013, Springer.

13)Weerachai Skulkitiyut, Haeyeon Lee, Ngo Lam Trung, Makoto Mizukawa, Building of commonsense knowledge for home robotic services: 'Bring something' and 'Tidy things up', International Journal of Mechatronics and Automation, Vol. 4, No. 1, 2014, Inderscience.

14)Nguyen Dai Hai, Nguyen Linh Giang, Anomaly Detection with Multinomial Logistic Regression and Naïve Bayesian, Multimedia and Ubiquitous Engineering, Lecture Notes in Electrical Engineering Volume 240, ISBN: 978-94-007-6737-9 (Print) 978-94-007-6738-6 (Online), 1876-1100.

15)Nguyen Dai Hai, Nguyen Linh Giang, Comparison Between SVM and Back Propagation Neural Network in Building IDS, Multimedia and Ubiquitous Engineering, Lecture Notes in Electrical Engineering Volume 240, ISBN: 978-94-007-6737-9 (Print) 978-94-007-6738-6 (Online), 1876-1100.

16)Cao Diệp Thăng, Nguyễn Thúc Hải, Nguyễn Linh Giang, Enhance quality of video transmission based on improving the RED algorithm, IJCSNS International Journal of Computer Science and Network Security, VOL.13 No.10, October 2013.

3. Hội thảo quốc tế

1) Nguyen Hung Cuong, Huynh Quyet Thang, Tru Ba Vuong. Rule-based techniques using abstract syntax tree for code optimization and secure programming in Java. 2nd International Conference on Context-Aware Systems and Applications, November 25–26, 2013 Phu Quoc, Vietnam (Full Paper Accepted).

2) Nguyen Thi Thanh Tu, Huynh Quyet Thang. Overall Security Solutions for OPC UA based Monitoring and Control Application. 2nd International Conference on Context-Aware Systems and Applications, November 25–26, 2013 Phu Quoc, Vietnam (Full Paper Accepted).

3) Ngoc Tuan Nguyen and Quyet Thang Huynh. Combining maturity with agility – lessons learnt from a case study. Proceedings of 4th International Symposium on Information and Communication Technology (SoICT 2013), Da Nang, Viet Nam, December, 5-6, 2013, pp. 267-274, ISBN:978-1-4503-2454-0

4) Nguyen Thi Thanh Tu, Huynh Quyet Thang. Design and Development of the Air Conditioning System by Using OPC UA Specifications and Modbus Protocol. Proceedings of 8th IEEE Conference on Industrial Electronics and Applications (ICIEA 2013), Melbourne, Australia, 19-21 June, 2013, pp. 1727 – 1732, ISBN 978-1-4673-6320-4.

- 5) Nguyen Minh Quy, Ho Khanh Lam, Huynh Quyet Thang. Analysis of Effectiveness of Communication Overheads in the Parallel Computing System Using the Closed Product Form Queueing Network. RIVF-2013: The 10th IEEE RIVF International Conference on Computing and Communication Technologies, Hanoi, Vietnam, 10-13 November 2013, pp. 131-134.
- 6) Nguyen Thanh, Shin Nakajima and Thang Huynh Quyet. Modeling and Debugging Numerical Constraints of Cyber-Physical Systems Design. Proceedings of 4th International Symposium on Information and Communication Technology (SoICT 2013), Da Nang, Viet Nam, December, 5-6, 2013, pp. 275-284.
- 7) Thi Thu Trang Nguyen, Christophe Alessandro, Albert Rilliard, and Do Dat Tran. "HMM-based TTS for Hanoi Vietnamese: issues in design and evaluation". INTERSPEECH 2013, Lyon, France. Aug-2013.
- 8) Thi Thu Trang Nguyen, Do Dat Tran, Albert Rilliard, Christophe Alessandro, and Thi Ngoc Yen Pham. "Intonation issues in HMM-based speech synthesis in Vietnamese". SLTU 2014, St Petersburg, Russia. May-2014.
- 9) Phi-Le Nguyen & Khanh-Van Nguyen, "Hole Approximation-Dissemination Scheme for Bounded-Stretch Routing in Sensor Networks", In Proc. of The 10th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS'2014)
- 10)Phi-Le Nguyen, Duc-Trong Nguyen & Khanh-Van Nguyen, "Load Balanced Routing with Constant Stretch for Wireless Sensor Network with Holes", in Proc. of 2014 IEEE 9th International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP'2014)
- 11)Nhat Le & Van Nguyen, "Interconnection Networks with Efficient Custom Routing, Exploiting Small-World Effect", in Proc. of the 10th RIVF International Conference on Computing and Communication Technologies (RIVF'2013)
- 12)V. Nguyen, N. Le, I. Fujiwara & M. Koibuchi, "Distributed Shortcut Networks: Layout-aware Low-degree Topologies Exploiting Small-world Effect", in Proc. of the 42nd IEEE International Conference on Parallel Processing, ICPP'2013
- 13)Tuan-Dung Cao and Nguyen-Ban Tran, Enhance matching web service security policies with semantic, Proceeding of The Fifth International Conference on Knowledge and Systems Engineering KSE 2013, pp. 213-224, Springer ISSN 2194-5357, Hanoi Viet Nam, October, 2013.

14)Kieu-Ha Phung, Thu Ngo-Quynh, Hung Vu-Manh, "UMRC: Multichannel Algorithm for improving performance of Wireless Sensor Networks", accepted paper at the fifth International Conference on Ubiquitous and Future Networks (ICUFN2013), July 2-5, Danang, Vietnam.

15)Hanh V. Nguyen, Dieu Linh Truong, "Survivable physical topology design for all-optical metro core networks", Vietnamese Journal on Information Technologies and Communications, July 2013.

16)Vinh Tran-Quang, Hung Nguyen-Khanh, Thu Ngo-Quynh, "Target Tracking System using Lateration Estimation method in Wireless Sensor Networks", accepted paper at the fifth International Conference on Ubiquitous and Future Networks (ICUFN 2013), July 2-5, Danang, Vietnam.

17)Nguyen Huu Thanh, Bui Dinh Cuong, To Duc Thien, Pham Ngoc Nam, Ngo Quynh Thu, Truong Thu Huong, and Tran Manh Nam, "ECODANE: A Customizable Hybrid Testbed for Green Data Center Networks", Proceedings of the International Conference on Advanced Technologies for Communications (ATC'13), Special Session on Green Communications, October 16th – 18th 2013, Ho Chi Minh City, Vietnam

18)Nguyen Thanh Long, Nguyen Duc Thuy, Pham Huy Hoang. Research on Innovating, Evaluating and Applying Multicast Routing Technique and Genetic Algorithm for Routing Messages in Service -Oriented Routing, The International Workshop on Cloud Computing and Information Security (CCIS 2013), Nov. 9th-11th, 2013, Shanghai, China.

19)Nguyen Thanh Long, Nguyen Duc Thuy, Pham Huy Hoang. Research on Innovating, Evaluating and Applying Evolutionary Algorithms Based Hierarchical Clustering for QOS and Multiple Paths Routing on MANET, The International Workshop on Cloud Computing and Information Security (CCIS 2013), Nov. 9th-11th, 2013, Shanghai, China

20)Tai Nguyen Huu, Hoang-Lan Nguyen Thi, Chon-Tam Le Dinh, "DWT-Based Multi-Adaptive Image Coding for Frame Memory Reduction in LCD Overdrive", Proceeding of the 2013 IEEE-RIVF International Conference on Computing and Communication Technologies - Research, Innvation and Vision for the Future, pp 270-275, 10-13 November 2013, Hanoi, Vietnam, IEEE Catalog Number CFP1356A-PRT, ISBN: 978-1 4799-1350-3.

21)Pham Thi Thu Thuy, Tran Hoang Hai, "RDB2OWL: Semantic Transformation from Relational Database into OWL Ontology", The First NAFOSTED Conference on Information and Computer Science (NICS 2014).

- 22)V. H. Tran, D.T. Nguyen, K. Nguyen, M.Q. Tran, S.H. Ngo and S. Yamada, "Experimental Study on the Performance of Linux Ethernet Bonding", In Proc. of the 9th Intl. Conf. on Testbeds and Research Infrastructures for the Development of Networks & Communities (TRIDENTCOM 2014), Guangzhou, China, May 2014.
- 23)D.T. Nguyen, V. H. Tran, K. Nguyen, M.Q. Tran, S.H. Ngo and S. Yamada., "Investigating the Performance of Link Aggregation on OpenFlow Switches," in Proc. of the 9th Intl. Conf. on Testbeds and Research Infrastructures for the Development of Networks & Communities (TRIDENTCOM 2014), Guangzhou, China, May 2014.
- 24)Nguyen Huu Duc, Huynh Quyet Thang, "Construction of a cloud system with high availability and load balance based on CloudStack platform – Implementation and Experiment", in proceeding of the Regional Conference on Computer and Information Engineering, August 22-23, 2013, Bangkok, p68-72
- 25)Nguyen Huu Duc, Huynh Quyet Thang, "Building an Authentication as a Service on Cloud Computing Platform", in proceeding of the Regional Conference on Computer and Information Engineering, August 22-23, 2013, Bangkok, p53-58
- 26)Huong Thanh Le, Rathany Chan Sam, Hoan Cong Nguyen, Thuy Thanh Nguyen. 2013. Named Entity Recognition in Vietnamese Text Using Label Propagation. In Procs. of the 5th International Conference of Soft Computing and Pattern Recognition (SoCPaR 2013)
- 27)Huong Thanh Le, Tien Manh Le. 2013. An approach to Abstractive Text Summarization. In Procs. of the 5th International Conference of Soft Computing and Pattern Recognition (SoCPaR 2013)
- 28)Huong Thanh Le, Luan Van Tran. 2013. Automatic Feature Selection for Named Entity Recognition Using Genetic Algorithm. In Proceedings of the 4th Symposium on Information and Communication Technology (SoICT 2013).
- 29)K. D. Nguyen, T. Pham Minh, Q. N. Nguyen, and T. T. Nguyen. Exploiting Direct and Indirect Information for Friend Suggestion in ZingMe. In Proceedings of the NIPS 2013 Workshop on Frontiers of Network Analysis: Methods, Models, and Applications, in conjunction with the 27th Annual Conference on Neural Information Processing Systems (NIPS 2013), December 09, 2013. Nevada, USA
- 30)Tuyet-Trinh Vu and Minh-Hieu Pham. An Algorithm for Adaptive Top-k Query Processing. RIVF 2013

- 31)Duy Khuong Nguyen, Khoat Than, and Tu Bao Ho, "Simplicial Nonnegative Matrix Factorization", In Proceedings of The 10th IEEE RIVF International Conference on Computing and Communication Technologies, 2013.
- 32)Nguyen Kim Anh, Nguyen The Tam, Ngo Van Linh. Document Clustering using Dirichlet Process Mixture Model of von Mises-Fisher Distributions. In Proceedings of 4th International Symposium on Information and Communication Technology, SoICT 2013. ACM, 2013
- 33)Nguyen Kim Anh, Nguyen The Tam, Ngo Van Linh. Document Clustering using Mixture Model of von Mises-Fisher Distributions on Document Manifold. In Proceedings of 5th International Conference on Soft Computing and Pattern Recognition, SoCPaR 2013. IEEE, 2013
- 34)Nguyen Kim Anh, Ngo Van Linh, Le Hong Ky, Nguyen The Tam. Document Classification using Semi-supervised Mixture Model of von Mises-Fisher Distributions on Document Manifold. In Proceedings of 4th International Symposium on Information and Communication Technology, SoICT 2013. ACM, 2013
- 35)Nguyen Kim Anh, Ngo Van Linh, Nguyen Khac Toi,Nguyen The Tam. Multi-labeled Document Classification using Semi-supervised Mixture Model of Watson distributions on Document Manifold. In Proceedings of 5th International Conference on Soft Computing and Pattern Recognition, SoCPaR 2013. IEEE, 2013.
- 36)Lan Anh Pham, Ngoc Khang Le and Phan Thuan Do. An efficient algorithm for generating all k-ary symmetric necklaces. NICS'14, Mars 2014, Hanoi, Vietnam.
- 37)Ngoc Khang Le and Thuan Phan Do. An $O(n(\log n)^3)$ algorithm for maximum matching in trapezoid graphs. RIVF2013, Nov 2013, Hanoi, Vietnam.
- 38)Thai Duong Nguyen, Thuan Phan Do. An ant colony optimization algorithm for solving Group Steiner Problem. RIVF2013, Nov 2013, Hanoi, Vietnam.
- 39)H.B. Ban, T. H, Nguyen, Q. T, Thang, H. C. Nguyen, V. P. Vu, "A Constraint-Based Approach to Error Localization", Proc. Information and Computer Science Nafosted, pp. 33-42, 2014, Hanoi.
- 40)Huynh Thi Thanh Binh, Nguyen Hong Nhat, Bach Hoang Vinh, Le Hoang Linh, Heuristic algorithm for virtual network mapping problem, in the Proceedings of the 9th International Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities (TRIDENTCOM 2014),

- 41)Pham Dinh Thanh, Huynh Thi Thanh Binh, Bui Thu Lam, A Survey on Hybridizing Genetic Algorithm with Dynamic Programming for Solving the Traveling Salesman Problem, Proceedings on Trends in Innovative Computing (ICT 2013), ISSN: 2150-7996, pp. 1-6.
- 42)Nguyen Duong Trung Dung and Huynh Thi Thanh Binh, Using contour information for image segmentation, In the Proceedings of 5th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2013), pp. 264-269.
- 43)Nguyen Tien Quang, Huynh Thi Thanh Binh and Nguyen Thi Thuy, Genetic Algorithm in Boosting for Object Class Image Segmentation, In the Proceedings of 5th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2013), pp. 283-288.
- 44)Duc-Hau Le, Quang Uy Nguyen, Quang Dung Pham, Thi Thanh Binh Huynh and Yung-Keun Kwon, Towards the identification of disease associated protein complexes, In the Proceedings of the 4th International Conference on Computational Systems- Biology and Bioinformatics, 2013, Seoul, Korea, pp. 15-23.
- 45)H.B. Ban, N.D. Nghia, A Subgradient Method to Improve Approximation Ratio in the Minimum Latency Problem, Proc. KSE, pp. 339-350, 2013.
- 46)H.B. Ban, N.D. Nghia, A Meta-Heuristic Algorithm Combining between Tabu and Variable Neighborhood Search for the Minimum Latency Problem, Proc. RIVF, pp.192-197, 2013.
- 47)Phan Tan Quoc, Nguyen Duc Nghia, "An Experimental Study of Minimum Routing Cost Spanning Tree Algorithms", IEEE, SoCPaR, 2013, pp.164-171
- 48)Phuong Khanh Nguyen, Teodor Gabriel Crainic, Michel Toulouse. Meta-heuristic for Multi-trip Pickup and Delivery Problem with Time Windows and Synchronization. INFORMS Annual Meeting, Minneapolis, Minnesota, USA, October 6-9, 2013
- 49)Phuong Khanh Nguyen, Teodor Gabriel Crainic, Michel Toulouse. A Tabu Search for the Multi-zone Multi-trip Pickup and Delivery Problem with Time Windows and Synchronization. Optimization days 2014, Montreal, Canada, May 5-7, 2014
- 50)Teodor Gabriel Crainic, Phuong Khanh Nguyen, Michel Toulouse. Meta-heuristics for Synchronized Multi-zone Multi-trip Pickup and Delivery Problems. International Workshop on Vehicle Routing and Intermodal Transportation, Comwell Borugaard, Snekkersten, Denmark, June 1-4, 2014

51)Duc Minh Truong, Trung Thanh Tran, Thuan Dinh Nguyen, Tung Hai Ta: "Recent results in receiving and decoding signals from the Beidou system". ICL-GNSS 2013, Turin, Italy, June 25-27, 2013.

52)Thuan Dinh Nguyen, Tung Hai Ta, Duc Truong Minh, Hieu Tran Trung, "Development of Real Multi-GNSS Positioning Solutions and Performance Analyses", 5th Asia Oceania Regional Workshop on GNSS, Hanoi, Vietnam, December 1-3, 2013.

53)Weerachai Skulkittiyut, Eiji Kamioka, Haeyeon Lee, Trung Lam Ngo, Takashi Fujioka, Commonsense Knowledge Extraction for Tidy-Up Robotic Service in Domestic Environments, 2013 IEEE Workshop on Advanced Robotics and its Social Impacts, Tokyo, Japan, 2013.

54)La The Vinh, Phuong Xuan Quang, Alberto Garcia-Rigo, Adria Rovira-Garcia and Deimos Ibanez-Segura, Experiments on The Ionospheric Models in GNSS, International Conference on Space, Aeronautical and Navigational Electronics 2013, Dec 2-3.

55)Đào Thị Thu Diệp, Phạm Ngọc Hưng, Nguyễn Hồng Quang, Trịnh Văn Loan, Text-Dependent Speaker Recognition for Vietnamese, In Proceeding of The IEEE Fifth International Conference on Soft Computing And Pattern Recognition, SoCPaR, pp 202-206, December, 2013.

56)Nguyễn Thị Thanh Nga, Ngô Hồng Sơn, Ngô Quỳnh Thu, Correlation-Based Clustering in Wireless Sensor Network for Energy Saving Protocol, Proc. of the 2nd ACM International Symposium on Information and Communication Technology.

57)Luong Quy Tho and Ha Quoc Trung, "P2P shared-caching model: using P2P to improve client-server application performance", 4th International Symposium on Information and Communication Technology-SoICT 2013 Proceedings, ACM ICPS (ISBN:978-1-4503-2454-0), Danang 2013.

58)Thang Nguyen Duc, Tam Nguyen Huynh Minh, Giang Tran Le, Tuan Vo Nhut, Trinh Lan Anh, Tran Hoang-Hai and Toi Vo Van, "State-space modeling based on principal component analysis and oxygenated-deoxygenated correlation to improve near-infrared spectroscopy signals", In proceeding of the fourth international symposium on information and communication technology SoICT 2013, December, Danang, Vietnam.

59)Huynh Thi Thanh Binh, Nguyen Xuan Tung, Parallel Genetic Algorithm for Solving the Multilayer Survivable Optical Network Design Problem, Advanced in Computer Science and Its

Applications (CSA 2013), Lecture Notes in Electrical in Engineering, Volume 279, 2014, pp. 333-338.

60)Q.T. Bui, Q.D. Pham, Y. Deville. Solving the Quorumcast Routing Problem as a Mixed Integer Program, 11th International Conference on Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems (CPAIOR 2014), Cork, Ireland, May 2014, Lecture Notes in Computer Science, Springer, 2014.

61)D.V. Sang, Algorithms for selecting parameters of combination of acyclic adjacency graphs in the problem of texture image processing. Electronic Letters on Computer Vision and Image Analysis, 13(2):35-37, 2014.

62)Huynh Thi Thanh Binh, Son Hong Ngo, Survivable Flows Routing in Large Scale Network Design using Genetic Algorithm, Advanced in Computer Science and Its Applications (CSA 2013), Lecture Notes in Electrical in Engineering, Volume 279, 2014, pp. 345-351, 978-3-642-41673-6.

63)Huynh Thi Thanh Binh, Ngo Hong Sơn, Nguyen Ngoc Dat, Genetic Algorithm for Solving Survivable Network Design with Simultaneous Unicast and Anycast Flows, Proceedings of the Eighth International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2013), pp. 1237-1247, 978-3-642-37501-9

64)Huynh Thi Thanh Binh, Nguyen Duy Hiep, Improved Genetic Algorithm for Solving Optimal Communication Spanning Tree Problem, Proceedings of the Eighth International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2013), pp. 405-413, 978-3-642-37501-9.

65)Q.T. Bui, Q.P. Dung, Y. Deville, Solving the Agricultural Land Allocation Problem by Constraint-Based Local Search, 19th International Conference on Principles and Practice of Constraint Programming (CP 2013), 9/1/2013.

66)Pham Quang Dung, Florence Massen, Yves Deville, Olivier Bonaventure, Une Recherche Tabou pour le problème d'Intégration de Services Réseau En et Hors Ligne, Journées Francophones de Programmation par Contraintes: JFPC 2014, 11/6/2014.

67)Diep Thang Cao, Thuc Hai Nguyen, Linh Giang Nguyen, Viện CNTT&TT, ĐHBK HN, Improving the video transmission quality over ip network, Proceedings of the fifth International Conference on Ubiquitous and Future Network, ICUFN 2013, Da Nang, Vietnam., 2013, pp 570-575.

68)B.T.T Huynh, S.H. Ngo, "Survivable Network Design using Genetic Algorithm", Proc. of the IEEE RIVF International Conference on Computing & Communication Technologies, Research, Innovation, and Vision for the Future, Hanoi, Vietnam, 2013, 12/1/2013.

69)Trinh Minh Chi, Ha Duyen Trung, Hoang Van Dung, Le Truong, Nguyen Thi Nga, and Ta Hai Tung, ARM9 - Based Real-Time Positioning and Navigational System for Mobile Vehicles, Proceedings of IEICE International Conference on Space, Aeronautical and Navigational Electronics (ICSANE 2013), Hanoi, Dec. 2-3, 2013.

70)Matteo Vannucchi, Ta Hai Tung, Gabriella Povero, Growing NAVIS – EU-SEA Cooperation Action in the field of GNSS, ISGNSS 2013, Istanbul, Turkey, October 22 – 25, 2013.

71)Tu Thi-Thanh Nguyen, Tung Hai Ta, Beatrice Montela. "An Adaptive Bandwidth Notch Filter for GNSS Narrow Band Interference Mitigation", The First NAFOSTED Conference on Information and Computer Science (NICS 2014), 13-14 March 2014, Hanoi.

4. Tạp chí trong nước

1) Huỳnh Quyết Thắng, Phùng Đình Vũ. Dự đoán hiệu năng của Web Services sử dụng mô hình mạng hàng đợi và phân tích hồi quy Gaussian. Tạp chí Bưu chính Viễn thông, Chuyên san Các nghiên cứu và triển khai ứng dụng trong viễn thông và Công nghệ thông tin. ISSN 1859-3526. Số 3, Tập V-1, tháng 5/2014. Được chấp nhận đăng.

2) Huỳnh Quyết Thắng, Nguyễn Thị Yên. Phương pháp đánh giá hiệu năng hạ tầng đám mây Skymark và thử nghiệm áp dụng trên hệ thống BKCloud. Tạp chí Khoa học và Công nghệ các Trường đại học kỹ thuật số 96 – Năm 2013, trang 47-54, ISSN 0868-3980.

3) Nguyễn Thị Thanh Tú, Bùi Quốc Khánh, Huỳnh Quyết Thắng. Ứng dụng Bộ công cụ OPC UA Client-Server SDK vào Hệ thống Giám sát và Điều khiển Quá trình trong Công nghiệp. Chuyên san Kỹ thuật điều khiển và Tự động hóa Số 8, tháng 12 năm 2013, trang 33-40.

4) Nguyễn Hữu Đức, Huỳnh Quyết Thắng. Tập trung hóa quản lý hạ tầng công nghệ thông tin với giải pháp máy tính để bàn ảo. Tạp chí Khoa học và Công nghệ các Trường đại học kỹ thuật số 97 – Năm 2013, trang 70-75, ISSN 0868-3980

5) Cao Tuấn Dũng, Hoàng Anh Việt, Phạm Văn Thuận. Cải tiến chất lượng truyền nhận dữ liệu thời gian thực trong hệ thống theo dõi điện tim. Tạp chí Khoa học công nghệ năng lượng - Trường Đại học Điện lực Hà Nội, đã được chấp nhận đăng tại số thứ 6 năm 2013, ISSN 1859-4557, trang 102-111.

- 6) Nguyễn Hữu Đức, Huỳnh Quyết Thắng, "Tập trung hóa quản lý hạ tầng công nghệ thông tin với giải pháp máy tính để bàn ảo", Tạp chí Khoa học & Công nghệ các trường Đại học Kỹ thuật, số 97, 2013, p70-75
- 7) Le Van Hung, Tran Dinh Khang, FUTURE RESULTS OF FUZZY LINGUISTIC LOGIC PROGRAMMING, Journal of Computer Science and Cybernetics (Tạp chí Tin học và ĐK học), No.2, 2014.
- 8) H.B. Ban, N.D. Nghia, Thuật toán di truyền lai ghép thuật toán đàn kiến giải bài toán cực tiểu hóa độ trễ, Tạp chí Tin học và điều khiển học, T.29, S. 3, 2013, pp. 287-298
- 9) Phan Tấn Quốc, Nguyễn Đức Nghĩa, "Thuật toán tìm kiếm tabu giải bài toán cây khung với chi phí định tuyến nhỏ nhất", Tạp chí Công nghệ Thông tin và Truyền thông, 2013.
- 10) Phan Tấn Quốc, Nguyễn Đức Nghĩa, "Thuật toán bầy ong giải bài toán cây khung với chi phí định tuyến nhỏ nhất", Tạp chí Tin học và điều khiển học, T.29, S3, 2013, pp.265-276.
- 11) Pham Thi Quynh, Huynh Quyet Thang. A Method To Verify BPEL Processes with Exception Handler. Journal of Science and Technology, ISSN 0868-3980, No. 95 - 2013, pp. 101-106.
- 12) Trinh Van Loan, Dinh Dong Luong, Pham Thi Kim Ngoan, Le Xuan Thanh, Building Databases for Good Quality Vietnamese Synthesis, Journal of Science and Technology, volume 101, pp 179-181, 2014.

5. Hội thảo trong nước

- 1) Huỳnh Quyết Thắng, Đào Phan Vũ, Lưu Đức Quỳnh. Dự đoán giá trị công sức trong quy trình phát triển phần mềm XP sử dụng mạng Bayesian động. Kỷ yếu Hội nghị Quốc gia lần thứ VI về Nghiên cứu cơ bản và ứng dụng Công nghệ thông tin (FAIR) - Huế, ngày 20 – 21/6/2013, trang 130-139.
- 2) Bang Ban Ha, Hung Nguyen Thanh, Thang Huynh Quyet, Cuong Nguyen Hung, Phong Vu Minh. Constraint-based Approach to Error Localization. Kỷ yếu Hội nghị NAFOSTED lần thứ nhất về Khoa học thông tin và Máy tính, Hà Nội 13-14 tháng 3 năm 2014.
- 3) Nguyễn Ngọc Dũng, Huỳnh Quyết Thắng. Thuật Toán Phát Hiện Độ Tương Tự Mã Nguồn Dựa Trên Cây Phân Tích Cú Pháp và Ứng Dụng Trong Xây Dựng Hệ Thống Thi Lập Trình Trực Tuyến BKOJ. Kỷ yếu Hội nghị Quốc gia lần thứ VI về Nghiên cứu cơ bản và ứng dụng Công nghệ thông tin (FAIR) - Huế, ngày 20 – 21/6/2013, trang 512-521.

- 4) Phạm Huy Hoàng, Bạch Ngọc Sơn, Khai thác cơ sở dữ liệu Freebase theo tùy chọn của người dùng, trình bày tại hội nghị Fair 2014, Thái Nguyên 19/6/2014.
- 5) Hai Van Pham, Tran Dinh Khang, Cách tiếp cận đại số gia tử với hệ trợ giúp quyết định thông minh để ứng cứu thiên tai, Hội nghị quốc gia lần thứ VII "Nghiên cứu cơ bản và ứng dụng Công nghệ thông tin", Thai Nguyen, tháng 6 năm 2014.
- 6) Vu Tuyen Trinh, Pham Minh Hieu, Cải thiện xử lý truy vấn Top-k trong môi trường phân tán, FAIR 2013.
- 7) Đào Đức Chính, Phan Anh Phong, Tran Dinh Khang, Một phương pháp heuristic xây dựng hệ logic mờ loại hai đại số gia tử, Kỷ yếu Hội thảo khoa học Nghiên cứu cơ bản và ứng dụng CNTT (FAIR 6), 12/2013.
- 8) Phạm Ngọc Hưng, Trịnh Văn Loan, Nguyễn Hồng Quang, Phạm Quốc Hùng, Nhận dạng phương ngữ tiếng Việt sử dụng mô hình Gauss hỗn hợp, Hội nghị khoa học quốc gia lần thứ VII – FAIR 2014.