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EDUCATION

Institute of Information Technology, Vietnam
Ph.D. in Mathematics, 2006-2011

Hanoi University of Sciences and Technology, Vietnam
MSc. in Information Technology, 1996-1998

Hue University of Sciences, Vietnam
B.A. in Applied Mathematics, 1981-1985

RESEARCH INTERESTS

- Theory of Relational Databases.
- Algorithm and Data Structure.
- Data Mining.
- Rough sets.

RESEARCH EXPERIENCE

- Some concurrency control algorithms and applications, 1998
- Development rough set theory and applications to survey quality lecturer at the University of Nha Trang, 2010.

TEACHING RESPONSIBILITY

Undergraduate

- Theory of Relational Databases.
- Distributed Databases
- Algorithm and Data Structure.
- Data Mining
- Automata and Formal Languages

PUBLICATIONS and PRESENTATIONS

Books:

1. **Nguyen Duc Thuan**, Truong Ngoc Chau. The Relational Data Model, Method Solutions Manual, The Scientific and Technical Publishing (*Vietnam*), 2012.

2. **Nguyen Duc Thuan.** Introduction to Knowledge Discovery and Data Mining. IC Publisher (Vietnam), 2012.
3. **Nguyen Duc Thuan,** Doan Van Thang, Computational Statistics, IC Publisher (Vietnam), 2016.

Presentations

1. **Nguyen Duc Thuan,** Nguyen Xuan Huy, The upper approximates of covering rough set and closure mapping, *Scientific Conference 25th anniversary of the founding of the Institute of Mechanics & Applied Informatics Ho Chi Minh City*, 2009.
2. **Nguyen Duc Thuan,** Intrusion Detection based on Rough set theory, *ICT 1st Conference Nha Trang*, 2015
3. **Nguyen Duc Thuan,** Some Properties of Induced Cover from Family of Covering Rough Sets, *ICT 2rd Conference Nha Trang*, 2016

JOURNAL

a. International Journals

1. Nguyen Duc Thuan, Nguyen Xuan Huy, A new measure to evaluate the consistency of a set of decision rules extracted from a decision table, *International Journal of Computer Electrical Engineering (IJCEE)*, 2009
2. Nguyen Duc Thuan, Covering Rough Sets From a Topological Point of View, *International Journal of Computer Theory and Engineering (IJCTE)*, 2009
3. Nguyen Duc Thuan, A Family of Covering Rough Sets Based Algorithm for Reduction of Attributes, *International Journal of Computer Theory and Engineering (IJCTE)*, 2010
4. Nguyen Xuan Dat, Nguyen Duc Thuan, An applied research based on Rough Set for discovering and improving the quality of the association rules set on the Teaching and Learning Database at Nha Trang University, *International Journal of Advanced Research in Computer Science (IJARCS)*, 2010
5. Nguyen Duc Thuan, Covering Upper Approximations of Rough Sets and Closure Mappings, *International Journal of Advanced Research in Computer Science (IJARCS)*, 2010
6. Tran Vu Anh, Nguyen Duc Thuan et al, IMPACT: A Novel Clustering Algorithm based on Attraction, *Journal of Computers*, 2012
7. Nguyen Duc Thuan, Independence of Redundant Attributes in the Attribute Reduction Algorithm, *International Journal of Advanced Research in Computer Science (IJARCS)*, 2012
8. Nguyen Duc Thuan, Some extensions of positive and negative rules for discovering basic interesting rules, *International Journal of Intelligent Information Systems*, 2013

9. Nguyen Hung Quoc, Nguyen Duc Thuan, An Improvement of Method Handling Missing Values in Incomplete Information System, *International Journal of Advanced Research in Computer Science and Software Engineering* , 2013
10. Nguyen Duc Thuan, Pham Quang Tung, New Measures for Constructing Decision Tree Based on Rough Sets and Applications, *International Journal of Advanced Research in Computer Science (IJARCS)*, 2015

b. Local Journals

1. Nguyễn Đức Thuận, “Điều khiển tương tranh trong môi trường phân tán. Minh họa trên môi trường Novell Netware”, *Tuyển tập công trình nghiên cứu Khoa học- Công Nghệ - ĐH Thủy Sản Nha Trang*, tập IV (1995-1999)
2. Nguyễn Đức Thuận, “Cài đặt thử nghiệm thuật toán di truyền và tiến hóa xử lý các ràng buộc của hệ ứng dụng tối ưu”, *Tạp chí Khoa học-Công Nghệ-Đại học Thủy Sản Nha Trang*, số 3, 1999,
3. Nguyễn Đức Thuận, “Một vài lưu ý đối với thuật toán phủ tối thiểu trong cơ sở dữ liệu quan hệ”, *Tạp chí Khoa học-Công Nghệ-Đại học Thủy Sản Nha Trang*, số 2, 2004
4. Nguyễn Đức Thuận, Nguyễn Xuân Huy, Một số phương pháp tiếp cận mới về rút gọn tập thuộc tính dựa vào họ phủ tập thô, *Tạp chí Khoa học và Công nghệ-ĐH Đà Nẵng*, 2009
5. Nguyễn Đức Thuận, Nguyễn Xuân Đạt, Thuật toán lai tập APRIORI-DT và thực nghiệm, *Tạp chí Khoa học và Công nghệ-ĐH Đà Nẵng*, 2010
6. Nguyễn Đức Thuận, Tiếp cận lý thuyết tập thô trong khai phá dữ liệu, *Tập san Tin học Quản lý –ĐH Kinh tế Tp HCM*, 2012