

**Do Nhu An**

andn@ntu.edu.vn

Faculty of Information Technology, Nha Trang University

02 Nguyen Dinh Chieu St., Nha Trang city, Vietnam

## **EDUCATION**

From-to	Place of study	Major	Degree
1980-1984	Dalat University	Application Mathematics	Bachelor
1996-1999	Dalat University	Computer algebra	Master
2002-2006	The Institute of Vietnam Academy of Science and Technology	Application Mathematics	Ph. D

## **RESEARCH INTERESTS**

Computational Mathematics:

- 1- Discrete Mathematics and Combinatorial Optimization
- 2- Computational Methods

## **TEACHING RESPONSIBILITY**

1. Discrete Mathematics
2. Combinatorial Optimization
3. Computational Methods

## **PUBLICATIONS AND PRESENTATIONS**

## **Journals and Presentations**

1. **An D. Nhu**, *Applications of Branch-Bound algorithm to solve some optimal problems related to the Hamiltonian cycle based on the TSP*, Journal of Science - University of Dalat – Vol 7, N 02 (2017), 205-216.
2. **An D. Nhu**, Ai N. Dinh, *4-Regular graph of diameter 2*, Journal of Science - University of Dalat – N. 06 (10/2013), 5-11.
3. **An D. Nhu**, Hoa V. Dinh, “Necessary and sufficient condition for Maximal uniquely Hamiltonian graph”, *International Journal of Advanced Research In Computer Science*, Vol 3, No. 5, Sept-Oct 2012, 114-117.
4. **An D. Nhu**, Hoa V. Dinh, Tuan D. Minh, Nga H. T. Thanh, “Maximum independent set in special graphs”, *Summary record of National Conference on Selected issues on Information Technology*, Can Tho, Scientific and Technical Publisher 2012, 555.
5. **An D. Nhu**, Duong B. Duc, “Some problems about Hamiltonian Cycle in special graphs”, The 2<sup>nd</sup> International Conference on Theories and Applications of Computer Science (ICTACS’09), *Journal of Science and Technology, Vietnam Academy of Science and Technology*, Vol. 46, No 5A (2008), 57-66.
6. **An D. Nhu**, Duong B. Duc, “A sufficient condition for non-Hamiltonian graph”, *Summary record of National Conference on Selected issues on Information Technology*, Hue August, 2008, 39-46.
7. Hoa V. Dinh, **An D. Nhu**, “The number of maximal Hamiltonian graphs”, *Journal of Computer Science and Cybernetics*, Vietnam Academy of Science and Technology, Vol.23, No 3 (2006).
8. Hoa V. Dinh, **An D. Nhu**, “New result of maximal Hamiltonian graph”, *Journal of Computer Science and Cybernetics*, Vietnam Academy of Science and Technology, Vol. 22, No.2 (2006), 118-122.
9. Hoa V. Dinh, **An D. Nhu**, “Apply Hamiltonian cycle problem to solve some optimal problems on graph”, *Summary record of National Conference on Selected issues on Information Technology*, Dalat - June, 2006.

10. Hoa V. Dinh, **An D. Nhu**, “Maximal Hamiltonian graph”, *Summary record of National Conference on Selected issues on Information Technology*, Hai Phong August, 2005, Hanoi Scientific Technical Publisher 2006, 310-313.
11. Hoa V. Dinh, **An D. Nhu**, “Polynomial algorithm on determining Hamiltonian cycle from graph closure”, *Development Scientific and Technological Journal*, HCM National University, Vo.8, No 4 (2005), 5-10.
12. Hoa V. Dinh, **An D. Nhu**, “The unique of graph closure”, *Summary record of National Conference on Selected issues on Information Technology*, Da Nang, August, 2004, Hanoi Scientific Technical Publisher 2005, 129-142.
13. **An D. Nhu**, “Approach the Hamiltonian cycle of graph from it’s closure graph”, *Scientific and Technological Journal*, Nha Trang Fisheries University. No 4 (2004), 34-37.
14. **An D. Nhu**, “Polynomial reduction in NP-completeness”, *Scientific and Technological Journal*, Nha Trang Fisheries University. No 2 (2004), 24-28.
15. **An D. Nhu**, “Introduction to examination scheduling method”, *Scientific and Technological Journal*, Nha Trang Fisheries University. No 3 (2002), 64-65.
16. **An D. Nhu**, Hoa V. Dinh, “Recognizing dominating cycles is NP-Hard”, *Informatics and Cybernetics Magazine*, Vietnam Academy of Science and Technology No 3 (2002), 226-230.
17. **An D. Nhu**, “Problem on Rational Function Integral”, *Scientific and Technological Journal*, Nha Trang Fisheries University. No 1 (2000), 46-51.

#### **PROFESSIONAL MEMBERSHIPS**

- Member of Vietnamese Association of Information Technology from 2005 -
- Secretary-General of Khanh Hoa Association of Informatics from 2010 – 2017.

Nhatrang, 17 Nov, 2017

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