**Staff Curriculum Vitae**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | *Đỗ Phan Thuận* | | | | | | |
| Position | *Phó giáo sư, Khoa Khoa học Máy tính* | | | | | | |
| Academic career | *Tiến sĩ , Khoa học máy tính*  *Thạc sĩ , Khoa học máy tính*  *Kỹ sư , Công nghệ thông tin* | | | *Đại học tổng hợp Burgundy*  *Đại học Paris 7*  *Đại học Bách khoa Hà Nội* | | | *2008*  *2005*  *1998* |
| Employment | *Position* | | | *Employer* | | | *Period* |
| Research and development projects over the last 5 years | *Name of project or research focus*  *Period and any other information*  *Partners, if applicable*  *Amount of financing* | | | | | | |
| Industry collaborations over the last 5 years | *Project title*  *Partners* | | | | | | |
| Patents and proprietary rights | *Title* | |  | | | *Year* | |
| Important publications over the last 5 years | *Selected recent publications from a total of approx. : 51*  *Author(s) : Mai Huong Dinh and Viet Dung Nguyen and Van Long Truong and Phan Thuan Do and Thanh Thao Phan and Duc Nghia Nguyen*  *Title : Simulated annealing for the assembly line balancing problem in the garment industry*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3368926.3369698*  *Publisher :*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Hong-Hai Phan-Vu and Viet Trung Tran and Hoang Vu Dang and Phan Thuan Do*  *Title : Neural machine translation between Vietnamese and English: an empirical study*  *Any other information : https://vjs.ac.vn/index.php/jcc/article/view/13233*  *Publisher :*  *Year of publication : 2019*  *Journal Journal of Computer Science and Cybernetics, volume 35, page 147-166*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Phan Thuan Do and Thi Thu Huong Tran and Vincent Vajnovszki*  *Title : Exhaustive generation for permutations avoiding (colored) regular sets of patterns*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0166218X19302240*  *Publisher : North-Holland*  *Year of publication : 2019*  *Journal Discrete Applied Mathematics, volume 268, page 44-53*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Phan-Thuan Do and Ngoc-Quang Nguyen and Quang-Dung Pham*  *Title : A time-dependent model with speed windows for share-a-ride problems: A case study for Tokyo transportation*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0169023X17300460*  *Publisher : North-Holland*  *Year of publication : 2018*  *Journal Data & Knowledge Engineering, volume 114, page 67-85*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet-Dung Nguyen and Phi Le Nguyen and Trung Hieu Nguyen and Phan Thuan Do*  *Title : A -Approximation Algorithm for Target Coverage Problem in Mobile Air Quality Monitoring Systems*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9322079/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet Dung Nguyen and Phi Le Nguyen and Trung Hieu Nguyen and Kien Nguyen and Phan Thuan Do*  *Title : An -Approximation Algorithm for Maximizing Coverage Capability in Mobile Air Quality Monitoring Systems*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9306692/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Huong Mai Dinh and Dung Viet Nguyen and Long Van Truong and Thuan Phan Do and Thao Thanh Phan and Nghia Duc Nguyen*  *Title : Cycle time enhancement by simulated annealing for a practical assembly line balancing problem*  *Any other information : https://www.informatica.si/index.php/informatica/article/view/3083*  *Publisher :*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet An Nguyen and Viet Hung Vu and Thanh Hung Nguyen and Phan Thuan Do and Kien Nguyen and Phi Le Nguyen and Minh Thuy Le*  *Title : Realizing mobile air quality monitoring system: Architectural concept and device prototype*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9609931/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet-Dung Nguyen and Phan-Thuan Do*  *Title : Quadratic time algorithm for maximum induced matching problem in trapezoid graphs*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3322645.3322653*  *Publisher :*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet-Dung Nguyen and Ba-Thai Pham and Viet-Hung Tran and Phan-Thuan Do*  *Title : A dynamic programming algorithm for the maximum induced matching problem in permutation graphs*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3287921.3287961*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet-Hung Tran and Duc-Nghia Nguyen and Phan-Thuan Do*  *Title : Linear time algorithm for maximum distance-k matching in interval graphs*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8606881/*  *Publisher : IEEE*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Phan Thuan Do and Thi Thu Huong Tran and Vincent Vajnovszki*  *Title : The equidistribution of some Mahonian statistics over permutations avoiding a pattern of length three*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0012365X21003976*  *Publisher : North-Holland*  *Year of publication : 2022*  *Journal Discrete Mathematics, volume 345, page 112684*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet Dung Nguyen and Phi Le Nguyen and Kien Nguyen and Phan Thuan Do*  *Title : Constant approximation for opportunistic sensing in mobile air quality monitoring system*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1389128621005314*  *Publisher : Elsevier*  *Year of publication : 2022*  *Journal Computer Networks, volume 202, page 108646*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Phan Thuan Do and Ba Thai Pham and Viet Dung Nguyen*  *Title : Efficient algorithms for maximum induced matching problem in permutation and trapezoid graphs*  *Any other information : https://fi.episciences.org/8685/pdf*  *Publisher : Episciences. org*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Phan Thuan Do and Thi Thu Huong Tran and Vincent Vajnovszki*  *Title : The equidistribution of some Mahonian statistics over permutations avoiding a pattern of length three*  *Any other information : https://ui.adsabs.harvard.edu/abs/2021arXiv210310357T/abstract*  *Publisher :*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Manh Hung Dinh and Ngoc Thach Hoang and Mai Phuong Nguyen and Phi Le Nguyen and Phan Thuan Do*  *Title : Node Deployment Optimization for Target Coverage and Connectivity in WSNs with a Delay-constrained Mobile Sink*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9352128/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 51*  *Author(s) : DO Phan Thuan and Ba Thai PHAM and Viet Cuong THAN*  *Title : Latest Algorithms on Particular Graph Classes*  *Any other information : https://ioi.te.lv/oi/pdf/v14\_2020\_21\_35.pdf*  *Publisher :*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Hong-Hai Phan-Vu and Viet-Trung Tran and Van-Nam Nguyen and Hoang-Vu Dang and Phan-Thuan Do*  *Title : Machine Translation between Vietnamese and English: an Empirical Study*  *Any other information : https://arxiv.org/abs/1810.12557*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Viet Cuong Than and Phan Thuan Do*  *Title : An O (n√ n log log n) average case algorithm for the maximum induced matching problem in permutation graphs*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8593004/*  *Publisher : IEEE*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Phan Thuan Do and Thi Thu Huong Tran and Vincent Vajnovszki*  *Title : Exhaustive generation for permutations avoiding a (colored) regular sets of patterns*  *Any other information : https://ui.adsabs.harvard.edu/abs/2018arXiv180900742T/abstract*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 51*  *Author(s) : Tran Thi Thu Huong and Phan Thuan Do and Vinent Vajnovszki*  *Title : Succession functions for permutations avoiding regular and c-regular patterns with variable lengths*  *Any other information : http://epub.vgu.edu.vn/handle/dlibvgu/221*  *Publisher :*  *Year of publication : 2018* | | | | | | |
| Activities in specialist bodies over the last 5 years | *Organisation* | *Role* | | | *Period* | | |
| *Membership without a specific role need not be mentioned* | | | | | | |