**Staff Curriculum Vitae**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | *Ban Hà Bằng* | | | | | | |
| Position | *Giảng viên, Bộ môn Khoa học Máy tính* | | | | | | |
| Academic career | *Tiến sỹ , Khoa học Máy tính*  *Thạc sỹ , Khoa học Máy tính*  *Kỹ sư , Khoa học Máy tính* | | | *trường Đại học Bách khoa Hà Nội*  *trường Đại học Bách khoa Hà Nội*  *trường Đại học Bách khoa Hà Nội* | | | *2014*  *2008*  *2006* |
| 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. : 29*  *Author(s) : Ha Bang Ban*  *Title : An efficient two-phase metaheuristic algorithm for the time dependent traveling Salesman problem*  *Any other information : https://www.rairo-ro.org/articles/ro/abs/2019/03/ro170082/ro170082.html*  *Publisher : EDP Sciences*  *Year of publication : 2019*  *Journal RAIRO-Operations Research, volume 53, page 917-935*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban*  *Title : A metaheuristic for the delivery man problem with time windows*  *Any other information : https://link.springer.com/article/10.1007/s10878-021-00716-2*  *Publisher : Springer US*  *Year of publication : 2021*  *Journal Journal of Combinatorial Optimization, volume 41, page 794-816*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban and Phuong Khanh Nguyen*  *Title : A hybrid metaheuristic for solving asymmetric distance-constrained vehicle routing problem*  *Any other information : https://link.springer.com/article/10.1186/s40649-020-00084-7*  *Publisher : SpringerOpen*  *Year of publication : 2021*  *Journal Computational Social Networks, volume 8, page 1-19*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha Bang Ban and Duc Nghia Nguyen*  *Title : Metaheuristic for the traveling repairman problem with time window constraints*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8713655/*  *Publisher : IEEE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban*  *Title : The hybridization of ACO+ GA and RVNS algorithm for solving the time-dependent traveling salesman problem*  *Any other information : https://link.springer.com/article/10.1007/s12065-020-00510-9*  *Publisher : Springer Berlin Heidelberg*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban*  *Title : General Variable Neighborhood Search for the Quote-Travelling Repairman Problem*  *Any other information : https://www.researchgate.net/profile/Ban-Ha-Bang/publication/341153315\_General\_Variable\_Neighborhood\_Search\_for\_the\_Quote-Travelling\_Repairman\_Problem/links/5fc76529a6fdcc697bd359e3/General-Variable-Neighborhood-Search-for-the-Quote-Travelling-Repairman-Problem.pdf*  *Publisher : Science and Information (SAI) Organization Limited*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban*  *Title : Applying Metaheuristic for Time-Dependent Traveling Salesman Problem in Postdisaster*  *Any other information : https://www.atlantis-press.com/journals/ijcis/125954166/view*  *Publisher : Atlantis Press*  *Year of publication : 2021*  *Journal International Journal of Computational Intelligence Systems, volume 14, page 1087-1107*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban and Dang-Hai Pham and Tuan-Anh Do*  *Title : An Efficient Two-Phase Metaheuristic for the Multiple Minimum Back-Walk-Free Latency Problem*  *Any other information : https://link.springer.com/chapter/10.1007/978-981-15-7078-0\_14*  *Publisher : Springer, Singapore*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban and Duc-Nghia Nguyen*  *Title : Using Metaheuristic for Solving the Resource-Constrained Deliveryman Problem*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3368926.3369660*  *Publisher :*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban*  *Title : A RVND+ ILS Metaheuristic to Solve the Delivery Man Problem with Time Windows*  *Any other information : https://link.springer.com/chapter/10.1007/978-3-030-34980-6\_6*  *Publisher : Springer, Cham*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 29*  *Author(s) : HA-BANG BAN*  *Title : Developing Metaheuristic Techniques for Solving Optimization Problems in Transportation for Post-Disaster Responses and Energy Savings*  *Any other information : https://www.jstage.jst.go.jp/article/afreport/90/0/90\_2021\_110/\_article/-char/ja/*  *Publisher : The Asahi Glass Foundation*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban and Dang-Hai Pham*  *Title : Multifactorial Evolutionary Algorithm for Simultaneous Solution of TSP and TRP*  *Any other information : http://147.213.75.17/ojs/index.php/cai/article/view/2021\_6\_1370*  *Publisher :*  *Year of publication : 2021*  *Journal Computing and Informatics, volume 40, page 1370–1397-1370–1397*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban*  *Title : Penalty Variable Neighborhood Search for the Bounded Single-Depot Multiple Traveling Repairmen Problem.*  *Any other information : https://search.ebscohost.com/login.aspx?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=03505596&AN=150118508&h=flqCB6KSvvdHSbhbe%2FYg%2Fjrpv6ciJYOzIb22fsup6VO5O2OUjbIlZW7P%2BWKSwwK8a46t5od2TJOmdv4Qmlvdlw%3D%3D&crl=c*  *Publisher :*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban*  *Title : Variable neighbourhood search-based algorithm to solve the minimum back-walk-free latency problem*  *Any other information : https://www.inderscienceonline.com/doi/abs/10.1504/IJCAT.2021.113642*  *Publisher : Inderscience Publishers (IEL)*  *Year of publication : 2021*  *Journal International Journal of Computer Applications in Technology, volume 65, page 55-64*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ban Ha Bang*  *Title : EFFICIENT METAHEURISTIC ALGORITHMS FOR THE MULTI-STRIPE TRAVELLING SALESMAN PROBLEM*  *Any other information : https://vjs.ac.vn/index.php/jcc/article/view/14770*  *Publisher :*  *Year of publication : 2020*  *Journal Journal of Computer Science and Cybernetics, volume 36, page 233-250*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Khanh-Phuong Nguyen and Ha-Bang Ban*  *Title : Metaheuristic for the Capacitated Multiple Traveling Repairman Problem*  *Any other information : https://pdfs.semanticscholar.org/4137/8107be8b88df4bdcd1503e12f289151a4a37.pdf*  *Publisher : Science and Information (SAI) Organization Limited*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 29*  *Author(s) : Ha-Bang Ban and Duc-Nghia Nguyen and Kien Nguyen*  *Title : An Effective Metaheuristic for Multiple Traveling Repairman Problem with Distance Constraints*  *Any other information : http://www.cai2.sk/ojs/index.php/cai/article/view/2019\_4\_883*  *Publisher :*  *Year of publication : 2019*  *Journal Computing and Informatics, volume 38, page 883-916* | | | | | | |
| Activities in specialist bodies over the last 5 years | *Organisation* | *Role* | | | *Period* | | |
| *Membership without a specific role need not be mentioned* | | | | | | |