**Staff Curriculum Vitae**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | *Nguyễn Bình Minh* | | | | | | |
| Position | *Trưởng Bộ môn, Bộ môn Hệ thống Thông tin*  *Giảng viên, Bộ môn Hệ thống Thông tin* | | | | | | |
| Academic career | *Tiến sỹ , Tin học Ứng dụng*  *Kỹ sư*  *Liên Bang Nga, 2008* | | | *Trường Đại học Kĩ thuật Slovak*  *Máy tính hỗ trợ thiết kế*  *Liên Bang Nga* | | | *2013*  *Trường Đại học Tổng hợp kĩ thuật Tambov*  *2008* |
| 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. : 56*  *Author(s) : Binh Minh Nguyen and Huynh Thi Thanh Binh and Tran The Anh and Do Bao Son*  *Title : Evolutionary algorithms to optimize task scheduling problem for the IoT based bag-of-tasks application in cloud–fog computing environment*  *Any other information : https://www.mdpi.com/452378*  *Publisher : MDPI*  *Year of publication : 2019*  *Journal Applied Sciences, volume 9, page 1730*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Huynh Thi Thanh Binh and Tran The Anh and Do Bao Son and Pham Anh Duc and Binh Minh Nguyen*  *Title : An evolutionary algorithm for solving task scheduling problem in cloud-fog computing environment*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3287921.3287984*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Nhuan Tran and Thang Nguyen and Binh Minh Nguyen and Giang Nguyen*  *Title : A multivariate fuzzy time series resource forecast model for clouds using LSTM and data correlation analysis*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1877050918312754*  *Publisher : Elsevier*  *Year of publication : 2018*  *Journal Procedia Computer Science, volume 126, page 636-645*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Binh Minh Nguyen and Thanh-Chung Dao and Ba-Lam Do*  *Title : Towards a blockchain-based certificate authentication system in Vietnam*  *Any other information : https://peerj.com/articles/cs-266.pdf*  *Publisher : PeerJ Inc.*  *Year of publication : 2020*  *Journal PeerJ Computer Science, volume 6, page e266*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Giang Nguyen and Binh Minh Nguyen and Dang Tran and Ladislav Hluchy*  *Title : A heuristics approach to mine behavioural data logs in mobile malware detection system*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0169023X17303063*  *Publisher : North-Holland*  *Year of publication : 2018*  *Journal Data & Knowledge Engineering, volume 115, page 129-151*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thieu Nguyen and Nhuan Tran and Binh Minh Nguyen and Giang Nguyen*  *Title : A resource usage prediction system using functional-link and genetic algorithm neural network for multivariate cloud metrics*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8599578/*  *Publisher : IEEE*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thieu Nguyen and Giang Nguyen and Binh Minh Nguyen*  *Title : EO-CNN: an enhanced CNN model trained by equilibrium optimization for traffic transportation prediction*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1877050920319724*  *Publisher : Elsevier*  *Year of publication : 2020*  *Journal Procedia Computer Science, volume 176, page 800-809*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thieu Nguyen and Tu Nguyen and Binh Minh Nguyen and Giang Nguyen*  *Title : Efficient time-series forecasting using neural network and opposition-based coral reefs optimization*  *Any other information : https://www.academia.edu/download/73519257/125921354.pdf*  *Publisher : Atlantis Press BV*  *Year of publication : 2019*  *Journal International Journal of Computational Intelligence Systems, volume 12, page 1144*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Binh Minh Nguyen and Trung Tran and Thieu Nguyen and Giang Nguyen*  *Title : Hybridization of galactic swarm and evolution whale optimization for global search problem*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9072130/*  *Publisher : IEEE*  *Year of publication : 2020*  *Journal IEEE Access, volume 8, page 74991-75010*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thieu Nguyen and Binh Minh Nguyen and Giang Nguyen*  *Title : Building resource auto-scaler with functional-link neural network and adaptive bacterial foraging optimization*  *Any other information : https://link.springer.com/chapter/10.1007/978-3-030-14812-6\_31*  *Publisher : Springer, Cham*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thanh Chung Dao and Binh Minh Nguyen and Ba Lam Do*  *Title : Challenges and strategies for developing decentralized applications based on blockchain technology*  *Any other information : https://link.springer.com/chapter/10.1007/978-3-030-15032-7\_80*  *Publisher : Springer, Cham*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Van-Duy Pham and Canh-Tuan Tran and Thang Nguyen and Tien-Thao Nguyen and Ba-Lam Do and Thanh-Chung Dao and Binh Minh Nguyen*  *Title : B-Box-A Decentralized Storage System Using IPFS, Attributed-based Encryption, and Blockchain*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9140747/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thieu Nguyen and Bao Hoang and Giang Nguyen and Binh Minh Nguyen*  *Title : A new workload prediction model using extreme learning machine and enhanced tug of war optimization*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1877050920305007*  *Publisher : Elsevier*  *Year of publication : 2020*  *Journal Procedia Computer Science, volume 170, page 362-369*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Binh Minh Nguyen and Huan Phan and Duong Quang Ha and Giang Nguyen*  *Title : An information-centric approach for slice monitoring from edge devices to clouds*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1877050918303995*  *Publisher : Elsevier*  *Year of publication : 2018*  *Journal Procedia computer science, volume 130, page 326-335*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thieu Nguyen and Thang Nguyen and Quoc-Hien Vu and Thi Thanh Binh Huynh and Binh Minh Nguyen*  *Title : Multi-objective Sparrow Search Optimization for Task Scheduling in Fog-Cloud-Blockchain Systems*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9592438/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Thang Nguyen and Khiem Doan and Giang Nguyen and Binh Minh Nguyen*  *Title : Modeling multi-constrained fog-cloud environment for task scheduling problem*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9306718/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Ngoc-Hoa Nguyen and Binh Minh Nguyen and Thanh-Chung Dao and Ba-Lam Do*  *Title : Towards blockchainizing land valuation certificate management procedures in Vietnam*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9140766/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Vu Tri An and Trinh Thu Hai and Binh Minh Nguyen and Nguyen Phi Le and Huynh Thi Thanh Binh*  *Title : Fuzzy Deep Q-learning Task Offloading in Delay Constrained Vehicular Fog Computing*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9533615/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Huynh Thi Thanh Binh and Nguyen Phi Le and Nguyen Binh Minh and Trinh Thu Hai and Ngo Quang Minh*  *Title : A reinforcement learning algorithm for resource provisioning in mobile edge computing network*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9206947/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Giang Nguyen and Viera Šipková and Stefan Dlugolinsky and Binh Minh Nguyen and Viet Tran and Ladislav Hluchý*  *Title : A comparative study of operational engineering for environmental and compute-intensive applications*  *Any other information : https://www.sciencedirect.com/science/article/pii/S2590005621000412*  *Publisher : Elsevier*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Binh Minh Nguyen and Bao Hoang and Thieu Nguyen and Giang Nguyen*  *Title : nQSV-Net: a novel queuing search variant for global space search and workload modeling*  *Any other information : https://link.springer.com/article/10.1007/s12652-020-02849-4*  *Publisher : Springer Berlin Heidelberg*  *Year of publication : 2021*  *Journal Journal of Ambient Intelligence and Humanized Computing, volume 12, page 27-46*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Ba-Lam Do and Quang-Thang Nguyen and Thang Nguyen and Tien-Thao Nguyen and Thanh-Chung Dao and BinhMinh Nguyen*  *Title : BML: A Data Mapping Language for Blockchain Platforms*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9343216/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Ta Huu Binh and Hiep Khac Vo and Binh Minh Nguyen and Huynh Thi Thanh Binh and Shui Yu*  *Title : Value-based reinforcement learning approaches for task offloading in Delay Constrained Vehicular Edge Computing*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0952197622001336*  *Publisher : Pergamon*  *Year of publication : 2022*  *Journal Engineering Applications of Artificial Intelligence, volume 113, page 104898*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Tran Thi Huong and Binh Huynh Thi Thanh and Le Van Cuong and Nguyen Thanh Tung and Nguyen Binh Minh and Le Trong Vinh*  *Title : Minimizing the Energy Depletion in Wireless Rechargeable Sensor Networks Using Bi-Level Metaheuristic Charging Schemes*  *Any other information : https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=4020773*  *Publisher :*  *Year of publication : 2022*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Ba-Lam Do and Van-Thanh Nguyen and Hoang-Nam Dinh and Thanh-Chung Dao and BinhMinh Nguyen*  *Title : Blockchain for Education: Verification and Management of Lifelong Learning Data*  *Any other information : https://scholar.google.com/scholar?cluster=14160120703026828182&hl=en&oi=scholarr*  *Publisher : TECH SCIENCE PRESS*  *Year of publication : 2022*  *Journal COMPUTER SYSTEMS SCIENCE AND ENGINEERING, volume 43, page 591-604*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Canh-Tuan Tran and Van-Duy Pham and Thang Nguyen and Huu-Hai-Quan Dinh and Minh-Tri Hoang and Thanh-Chung Dao and BinhMinh Nguyen and Ba-Lam Do*  *Title : A Novel Approach for Developing Decentralized Storage and Sharing Systems*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3457337.3457845*  *Publisher :*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Binh Minh Nguyen and Thang Nguyen and Thieu Nguyen and Ba-Lam Do*  *Title : MPoC-A Metaheuristic Proof of Criteria Consensus Protocol for Blockchain Network*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9461113/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Dan Nguyen and Nhat Hoang and Binh Minh Nguyen and Viet Tran*  *Title : PSPChord-A Novel Fault Tolerance Approach for P2P Overlay Network*  *Any other information : https://link.springer.com/chapter/10.1007/978-3-030-05755-8\_38*  *Publisher : Springer, Cham*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 56*  *Author(s) : Binh Minh Nguyen and Bao Hoang and Huy Tran and Viet Tran*  *Title : Managing Cloud Data Centers with Three-State Server Model Under Job Abandonment Phenomenon*  *Any other information : https://link.springer.com/chapter/10.1007/978-3-319-93713-7\_63*  *Publisher : Springer, Cham*  *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* | | | | | | |