**Staff Curriculum Vitae**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | *Huỳnh Thị Thanh Bình* | | | | | | |
| Position | *Phó Hiệu trưởng, Trường Công nghệ Thông tin và Truyền thông*  *Trưởng phòng, Phòng thí nghiệm Mô hình hóa, mô phỏng và tối ưu hóa*  *Phó Giáo sư, Khoa 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* | | | *2011*  *1999*  *1997* |
| 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. : 184*  *Author(s) : Huynh Thi Thanh Binh and Nguyen Thi Hanh and La Van Quan and Nilanjan Dey*  *Title : Improved cuckoo search and chaotic flower pollination optimization algorithm for maximizing area coverage in wireless sensor networks*  *Any other information : https://link.springer.com/article/10.1007/s00521-016-2823-5*  *Publisher : Springer London*  *Year of publication : 2018*  *Journal Neural computing and applications, volume 30, page 2305-2317*  *Selected recent publications from a total of approx. : 184*  *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. : 184*  *Author(s) : Nguyen Thi Hanh and Huynh Thi Thanh Binh and Nguyen Xuan Hoai and Marimuthu Swami Palaniswami*  *Title : An efficient genetic algorithm for maximizing area coverage in wireless sensor networks*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0020025519301823*  *Publisher : Elsevier*  *Year of publication : 2019*  *Journal Information Sciences, volume 488, page 58-75*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Thanh-Truc Vo and Thi Thanh-Ngan Nguyen and Thi Thanh-Tam Huynh and Thi Thuy-Trang Vo and Thi Thuy-Nhung Nguyen and Dinh-Truong Nguyen and Van-Su Dang and Chi-Hien Dang and Thanh-Danh Nguyen*  *Title : Biosynthesis of silver and gold nanoparticles using aqueous extract from Crinum latifolium leaf and their applications forward antibacterial effect and wastewater treatment*  *Any other information : https://www.hindawi.com/journals/jnm/2019/8385935/*  *Publisher : Hindawi*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Jiale Zhang and Bing Chen and Xiang Cheng and Huynh Thi Thanh Binh and Shui Yu*  *Title : Poisongan: Generative poisoning attacks against federated learning in edge computing systems*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9194010/*  *Publisher : IEEE*  *Year of publication : 2020*  *Journal IEEE Internet of Things Journal, volume 8, page 3310-3322*  *Selected recent publications from a total of approx. : 184*  *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. : 184*  *Author(s) : TT Huynh and LLC Lem and A Kuramata and MR Phillips and C Ton-That*  *Title : Kinetics of charge carrier recombination in crystals*  *Any other information : https://journals.aps.org/prmaterials/abstract/10.1103/PhysRevMaterials.2.105203*  *Publisher : American Physical Society*  *Year of publication : 2018*  *Journal Physical Review Materials, volume 2, page 105203*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Nguyen Thi Hanh and Nguyen Duc Nghia and Nilanjan Dey*  *Title : Metaheuristics for maximization of obstacles constrained area coverage in heterogeneous wireless sensor networks*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1568494619307203*  *Publisher : Elsevier*  *Year of publication : 2020*  *Journal Applied Soft Computing, volume 86, page 105939*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Pham Dinh Thanh and Ta Bao Thang*  *Title : New approach to solving the clustered shortest-path tree problem based on reducing the search space of evolutionary algorithm*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0950705119302217*  *Publisher : Elsevier*  *Year of publication : 2019*  *Journal Knowledge-Based Systems, volume 180, page 12-25*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Le Phuong Thao Huynh Thi Thanh Binh and Pham Dinh Thanh and Tran Ba Trung*  *Title : An effective representation scheme in multifactorial evolutionary algorithm for solving cluster shortest-path tree problem*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8477684/*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : TB Trung HTT Binh and PD Thanh*  *Title : Effective multifactorial evolutionary algorithm for solving the cluster shortest path tree problem*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8477912/*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Pham Dinh Thanh and Huynh Thi Thanh Binh and Tran Ba Trung*  *Title : An efficient strategy for using multifactorial optimization to solve the clustered shortest path tree problem*  *Any other information : https://link.springer.com/article/10.1007/s10489-019-01599-x*  *Publisher : Springer US*  *Year of publication : 2020*  *Journal Applied Intelligence, volume 50, page 1233-1258*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Nilanjan Dey*  *Title : Soft computing in wireless sensor networks*  *Any other information : https://books.google.com/books?hl=en&lr=&id=Al0PEAAAQBAJ&oi=fnd&pg=PP1&dq=info:0FNCH9xMdWoJ:scholar.google.com&ots=lrCWEkbed0&sig=YtQGsGLJkyuZIi\_ehZWxqfKpVIA*  *Publisher : CRC Press*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Youyang Qu and Shui Yu and Jingwen Zhang and Huynh Thi Thanh Binh and Longxiang Gao and Wanlei Zhou*  *Title : GAN-DP: Generative adversarial net driven differentially privacy-preserving big data publishing*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8761070/*  *Publisher : IEEE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Phan Thi Hong Hanh and Pham Dinh Thanh and Huynh Thi Thanh Binh*  *Title : Evolutionary algorithm and multifactorial evolutionary algorithm on clustered shortest-path tree problem*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0020025520310136*  *Publisher : Elsevier*  *Year of publication : 2021*  *Journal Information Sciences, volume 553, page 280-304*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Cong Luong and Tran The Anh and Huynh Thi Thanh Binh and Dusit Niyato and Dong In Kim and Ying-Chang Liang*  *Title : Joint transaction transmission and channel selection in cognitive radio based blockchain networks: A deep reinforcement learning approach*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8683228/*  *Publisher : IEEE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : T Nguyen and T Huynh and Chi-Hien Dang and Dinh-Tri Mai and T Nguyen and Dinh-Truong Nguyen and Van-Su Dang and Trinh-Duy Nguyen and Thanh-Danh Nguyen*  *Title : Novel biogenic silver nanoparticles used for antibacterial effect and catalytic degradation of contaminants*  *Any other information : https://link.springer.com/article/10.1007/s11164-019-04075-w*  *Publisher : Springer Netherlands*  *Year of publication : 2020*  *Journal Research on Chemical Intermediates, volume 46, page 1975-1990*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Tam and Huynh Thi Thanh Binh and Dinh Anh Dung and Phan Ngoc Lan and Bo Yuan and Xin Yao*  *Title : A hybrid clustering and evolutionary approach for wireless underground sensor network lifetime maximization*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0020025519306656*  *Publisher : Elsevier*  *Year of publication : 2019*  *Journal Information Sciences, volume 504, page 372-393*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Thanh Pham Dinh and Binh Huynh Thi Thanh and Trung Tran Ba and Long Nguyen Binh*  *Title : Multifactorial evolutionary algorithm for solving clustered tree problems: competition among cayley codes*  *Any other information : https://link.springer.com/article/10.1007/s12293-020-00309-2*  *Publisher : Springer Berlin Heidelberg*  *Year of publication : 2020*  *Journal Memetic Computing, volume 12, page 185-217*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Tran Thi Huong and Phi Le Nguyen and Huynh Thi Thanh Binh and Kien Nguyenz and Ngo Minh Hai*  *Title : Genetic algorithm-based periodic charging scheme for energy depletion avoidance in wrsns*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9120800/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Nguyen Thi My Binh and Nguyen Hong Ngoc and Dinh Thi Ha Ly and Nguyen Duc Nghia*  *Title : Efficient approximation approaches to minimal exposure path problem in probabilistic coverage model for wireless sensor networks*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1568494618307117*  *Publisher : Elsevier*  *Year of publication : 2019*  *Journal Applied Soft Computing, volume 76, page 726-743*  *Selected recent publications from a total of approx. : 184*  *Author(s) : VG Bui and VN Tran and VD Nguyen and QT Nguyen and TT Huynh*  *Title : Octane number stratified mixture preparation by gasoline–ethanol dual injection in SI engines*  *Any other information : https://link.springer.com/article/10.1007/s13762-018-1942-1*  *Publisher : Springer Berlin Heidelberg*  *Year of publication : 2019*  *Journal International journal of environmental science and technology, volume 16, page 3021-3034*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Quoc Tuan and Ta Duy Hoang and Huynh Thi Thanh Binh*  *Title : A guided differential evolutionary multi-tasking with powell search method for solving multi-objective continuous optimization*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8477860/*  *Publisher : IEEE*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Hanh and Phi Le Nguyen and Phan Thanh Tuyen and Huynh Thi Thanh Binh and Ernest Kurniawan and Yusheng Ji*  *Title : Node placement for target coverage and network connectivity in WSNs with multiple sinks*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8319207/*  *Publisher : IEEE*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Nguyen Quoc Tuan and Doan Cao Thanh Long*  *Title : A multi-objective multi-factorial evolutionary algorithm with reference-point-based approach*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8790034/*  *Publisher : IEEE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Thi Thanh Binh Huynh and Dinh Thanh Pham and Ba Trung Tran and Cong Thanh Le and Minh Hai Phong Le and Ananthram Swami and Thu Lam Bui*  *Title : A multifactorial optimization paradigm for linkage tree genetic algorithm*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0020025520305570*  *Publisher : Elsevier*  *Year of publication : 2020*  *Journal Information Sciences, volume 540, page 325-344*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Phi Le Nguyen and Nguyen Thi Hanh and Nguyen Tien Khuong and Huynh Thi Thanh Binh and Yusheng Ji*  *Title : Node placement for connected target coverage in wireless sensor networks with dynamic sinks*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1574119219301415*  *Publisher : Elsevier*  *Year of publication : 2019*  *Journal Pervasive and Mobile Computing, volume 59, page 101070*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Tam and Vi Thanh Dat and Phan Ngoc Lan and Huynh Thi Thanh Binh and Ananthram Swami*  *Title : Multifactorial evolutionary optimization to maximize lifetime of wireless sensor network*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0020025521006472*  *Publisher : Elsevier*  *Year of publication : 2021*  *Journal Information Sciences, volume 576, page 355-373*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Tam and Tran Huy Hung and Huynh Thi Thanh Binh*  *Title : A decomposition-based multi-objective optimization approach for balancing the energy consumption of wireless sensor networks*  *Any other information : https://www.sciencedirect.com/science/article/pii/S156849462100288X*  *Publisher : Elsevier*  *Year of publication : 2021*  *Journal Applied Soft Computing, volume 107, page 107365*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Ta Bao Thangy and Nguyen Binh Long and Ngo Viet Hoang and Pham Dinh Thanh*  *Title : Multifactorial evolutionary algorithm for inter-domain path computation under domain uniqueness constraint*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9185701/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Tam and Tran Quang Tuan and Huynh Thi Thanh Binh and Ananthram Swami*  *Title : Multifactorial evolutionary optimization for maximizing data aggregation tree lifetime in wireless sensor networks*  *Any other information : https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11413/114130Z/Multifactorial-evolutionary-optimization-for-maximizing-data-aggregation-tree-lifetime-in/10.1117/12.2557978.short*  *Publisher : SPIE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Pham Dinh Thanh and Huynh Thi Thanh Binh and Nguyen Binh Long*  *Title : A heuristic based on randomized greedy algorithms for the clustered shortest-path tree problem*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8790070/*  *Publisher : IEEE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Hanh and Huynh Thi Thanh Binh and Nguyen Van Son and Phan Ngoc Lan*  *Title : Minimal node placement for ensuring target coverage with network connectivity and fault tolerance constraints in wireless sensor networks*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8789961/*  *Publisher : IEEE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Tam and Huynh Thi Thanh Binh and Tran Huy Hung and Dinh Anh Dung and Le Trong Vinh*  *Title : Prolong the network lifetime of wireless underground sensor networks by optimal relay node placement*  *Any other information : https://link.springer.com/chapter/10.1007/978-3-030-16692-2\_30*  *Publisher : Springer, Cham*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Tam and Dinh Anh Dung and Tran Huy Hung and Huynh Thi Thanh Binh and Shui Yu*  *Title : Exploiting relay nodes for maximizing wireless underground sensor network lifetime*  *Any other information : https://link.springer.com/article/10.1007/s10489-020-01735-y*  *Publisher : Springer US*  *Year of publication : 2020*  *Journal Applied Intelligence, volume 50, page 4568-4585*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Ta Bao Thang and Nguyen Binh Long and Ngo Viet Hoang and Huynh Thi Thanh Binh*  *Title : Adaptive knowledge transfer in multifactorial evolutionary algorithm for the clustered minimum routing cost problem*  *Any other information : https://www.sciencedirect.com/science/article/pii/S1568494621001769*  *Publisher : Elsevier*  *Year of publication : 2021*  *Journal Applied Soft Computing, volume 105, page 107253*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi Tam and Huynh Thi Thanh Binh and Vi Thanh Dat and Phan Ngoc Lan*  *Title : Towards optimal wireless sensor network lifetime in three dimensional terrains using relay placement metaheuristics*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0950705120305360*  *Publisher : Elsevier*  *Year of publication : 2020*  *Journal Knowledge-Based Systems, volume 206, page 106407*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi My Binh and Huynh Thi Thanh Binh and Nguyen Van Linh and Shui Yu*  *Title : Efficient meta-heuristic approaches in solving minimal exposure path problem for heterogeneous wireless multimedia sensor networks in internet of things*  *Any other information : https://link.springer.com/article/10.1007/s10489-019-01628-9*  *Publisher : Springer US*  *Year of publication : 2020*  *Journal Applied Intelligence, volume 50, page 1889-1907*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Tran Ba Trung and Le Tien Thanh and Ly Trung Hieu and Pham Dinh Thanh and Huynh Thi Thanh Binh*  *Title : Multifactorial evolutionary algorithm for clustered minimum routing cost problem*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3368926.3369712*  *Publisher :*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Thanh-Danh Nguyen and Thanh-Truc Vo and T Thanh-Tam Huynh and Cao-Hien Nguyen and Van-Dat Doan and Dinh-Truong Nguyen and Trinh-Duy Nguyen and Chi-Hien Dang*  *Title : Effect of capping methods on the morphology of silver nanoparticles: study on the media-induced release of silver from the nanocomposite β-cyclodextrin/alginate*  *Any other information : https://pubs.rsc.org/en/content/articlehtml/2019/nj/c9nj04730a*  *Publisher : Royal Society of Chemistry*  *Year of publication : 2019*  *Journal New Journal of Chemistry, volume 43, page 16841-16852*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Ta Bao Thang and Nguyen Duc Thai and Pham Dinh Thanh*  *Title : A bi-level encoding scheme for the clustered shortest-path tree problem in multifactorial optimization*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0952197621000348*  *Publisher : Pergamon*  *Year of publication : 2021*  *Journal Engineering Applications of Artificial Intelligence, volume 100, page 104187*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Tran Thi Huong and Huynh Thi Thanh Binh and Phi Le Nguyen and Doan Cao Thanh Long and Vuong Dinh An*  *Title : Optimizing charging locations and charging time for energy depletion avoidance in wireless rechargeable sensor networks*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9185750/*  *Publisher : IEEE*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Nguyen Thi My Binh and Abdelhamid Mellouk and Huynh Thi Thanh Binh and Vu Le Loi and Dang Lam San and Tran Hai Anh*  *Title : An elite hybrid particle swarm optimization for solving minimal exposure path problem in mobile wireless sensor networks*  *Any other information : https://www.mdpi.com/1424-8220/20/9/2586/pdf?version=1589276519*  *Publisher : Multidisciplinary Digital Publishing Institute*  *Year of publication : 2020*  *Journal Sensors, volume 20, page 2586*  *Selected recent publications from a total of approx. : 184*  *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. : 184*  *Author(s) : Binh Huynh Thi Thanh and Thanh Pham Dinh*  *Title : Two levels approach based on multifactorial optimization to solve the clustered shortest path tree problem*  *Any other information : https://link.springer.com/article/10.1007/s12065-020-00501-w*  *Publisher : Springer Berlin Heidelberg*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Thao Nguyen Van and Nugroho Fredivianus and Huu Tam Tran and Kurt Geihs and Thi Thanh Binh Huynh*  *Title : Formal verification of ALICA multi-agent plans using model checking*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3287921.3287947*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Le Tien Thanh and Rin Nishikawa and Masashi Takemoto and Huynh Thi Thanh Binh and Hironori Nakajo*  *Title : Cow estrus detection via Discrete Wavelet Transformation and Unsupervised Clustering*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3287921.3287973*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Tran Thi Huong and Huynh Thi Thanh Binh*  *Title : A multi-task approach for maximum survival ratio problem in large-scale wireless rechargeable sensor networks*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9504930/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Anh Do Tuan and Long Nguyen Hoang and Thang Ta Bao and Huynh Thi Thanh Binh and Simon Su*  *Title : A two-level strategy based on evolutionary algorithm to solve the inter-domain path computation under node-defined domain uniqueness constraint*  *Any other information : https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11746/117462O/A-two-level-strategy-based-on-evolutionary-algorithm-to-solve/10.1117/12.2588199.short*  *Publisher : SPIE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huu Tam Tran and Alexander Jahl and Kurt Geihs and Ramaprasad Kuppili and Xuan Thang Nguyen and Thi Thanh Binh Huynh*  *Title : DECOM: a framework to support evolution of IoT services*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3287921.3287979*  *Publisher :*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *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. : 184*  *Author(s) : Tran Cong Dao and Tran Huy Hung and Nguyen Thi Tam and Huynh Thi Thanh Binh*  *Title : A multifactorial evolutionary algorithm for minimum energy cost data aggregation tree in wireless sensor networks*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9504807/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Nguyen Hoang Long and Ta Bao Thang and Su Simon*  *Title : A Two-level Genetic Algorithm for Inter-domain Path Computation under Node-defined Domain Uniqueness Constraints*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9504728/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 184*  *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. : 184*  *Author(s) : Nguyen Thi My Binh and Huynh Thi Thanh Binh and Vu Le Loi and Vu Trung Nghia and Dang Lam San and Chu Minh Thang*  *Title : An efficient approximate algorithm for achieving (k−!) barrier coverage in camera wireless sensor networks*  *Any other information : https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11006/1100613/An-efficient-approximate-algorithm-for-achieving-k---barrier/10.1117/12.2519272.short*  *Publisher : SPIE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Huynh Thi Thanh Binh and Nguyen Hai Nam*  *Title : Introduction to coverage optimization in wireless sensor networks*  *Any other information : https://www.taylorfrancis.com/chapters/edit/10.1201/9780429438639-6/introduction-coverage-optimization-wireless-sensor-networks-huynh-thi-thanh-binh-nguyen-hai-nam*  *Publisher : Chapman and Hall/CRC*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Ta Bao Thang and Tran Cong Dao and Nguyen Hoang Long and Huynh Thi Thanh Binh*  *Title : Parameter adaptation in multifactorial evolutionary algorithm for many-task optimization*  *Any other information : https://link.springer.com/article/10.1007/s12293-021-00347-4*  *Publisher : Springer Berlin Heidelberg*  *Year of publication : 2021*  *Journal Memetic Computing, volume 13, page 433-446*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Tran Thi Huong and Nguyen Ngoc Bao and Ngo Minh Hai and Huynh Thi Thanh Binh*  *Title : Effective partial charging scheme for minimizing the energy depletion and charging cost in wireless rechargeable sensor networks*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9504948/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 184*  *Author(s) : Tien Thanh Le and Phi Le Nguyen and Huynh Thi Thanh Binh and Yusheng Ji*  *Title : Multi-time-step Segment Routing based Traffic Engineering Leveraging Traffic Prediction*  *Any other information : 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| Activities in specialist bodies over the last 5 years | *Organisation* | *Role* | | | *Period* | | |
| *Membership without a specific role need not be mentioned* | | | | | | |