**Staff Curriculum Vitae**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | *Nguyễn Khanh Văn* | | | | | | |
| Position | *Phó Giáo sư, Bộ môn Công nghệ Phần mềm*  *Trưởng phòng, Phòng thí nghiệm Công nghệ phần mềm và Tính toán phân tán* | | | | | | |
| Academic career | *Tiến sỹ , Khoa học Máy tính*  *Thạc sỹ , Khoa học Máy tính*  *Kỹ sư , Tin học* | | | *trường Đại học California-Davis*  *trường đại học Wollongong*  *trường Đại học Bách khoa Hà Nội* | | | *2006*  *2000*  *1992* |
| 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. : 47*  *Author(s) : Meijuan Zhang and K Nguyen and Javier Segurado and Francisco J Montans*  *Title : A multiplicative finite strain crystal plasticity formulation based on additive elastic corrector rates: Theory and numerical implementation*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0749641920307440*  *Publisher : Pergamon*  *Year of publication : 2021*  *Journal International Journal of Plasticity, volume 137, page 102899*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Van Khang Nguyen and Éric Renault and Viet Hai Ha*  *Title : Road anomaly detection using smartphone: A brief analysis*  *Any other information : https://link.springer.com/chapter/10.1007/978-3-030-03101-5\_8*  *Publisher : Springer, Cham*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Khanh Nguyen and Meijuan Zhang and Víctor Jesús Amores and Miguel A Sanz and Francisco J Montáns*  *Title : Computational modeling of dislocation slip mechanisms in crystal plasticity: a short review*  *Any other information : https://www.mdpi.com/948952*  *Publisher : MDPI*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Khanh-Van Nguyen and Chi-Hieu Nguyen and Phi Le Nguyen and Tien Van Do and Imrich Chlamtac*  *Title : Energy-efficient routing in the proximity of a complicated hole in wireless sensor networks*  *Any other information : https://link.springer.com/article/10.1007/s11276-021-02569-3*  *Publisher : Springer US*  *Year of publication : 2021*  *Journal Wireless Networks, volume 27, page 3073-3089*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Víctor Jesús Amores and Khanh Nguyen and Francisco Javier Montáns*  *Title : On the network orientational affinity assumption in polymers and the micro–macro connection through the chain stretch*  *Any other information : https://www.sciencedirect.com/science/article/pii/S0022509620304713*  *Publisher : Pergamon*  *Year of publication : 2021*  *Journal Journal of the Mechanics and Physics of Solids, volume 148, page 104279*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Van Khang Nguyen and Éric Renault and Ruben Milocco*  *Title : Environment monitoring for anomaly detection system using smartphones*  *Any other information : https://www.mdpi.com/528766*  *Publisher : MDPI*  *Year of publication : 2019*  *Journal Sensors, volume 19, page 3834*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Hai Pham and Khanh Nguyen and Ngon Nguyen and Hung Tran and W Genthe*  *Title : A novel bistatic LIDAR device with 1570 nm centre wavelength diode for detection of plant disease*  *Any other information : https://link.springer.com/chapter/10.1007/978-981-16-1510-8\_17*  *Publisher : Springer, Singapore*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 47*  *Author(s) : K Nguyen and M Zhang and VJ Amores and MA Sanz and FJ Montáns*  *Title : Computational Modeling of Dislocation Slip Mechanisms in Crystal Plasticity: A Short Review. Crystals 2021, 11, 42*  *Any other information : https://www.mdpi.com/2073-4352/11/1/42/pdf?version=1610092939*  *Publisher : s Note: MDPI stays neu-tral with regard to jurisdictional clai-ms in published maps and institutio-nal affiliations.*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Khanh Nguyen and CEVC Jakob and Laura Schilliger and Julian Stylianou*  *Title : Device for simulating shadows and/or noises of a person*  *Any other information : https://patents.google.com/patent/US20200394885A1/en*  *Publisher :*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Thang M Tran and Khanh-Van Nguyen*  *Title : Fast Detection and Mitigation to DDoS Web Attack Based on Access Frequency*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8713762/*  *Publisher : IEEE*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Nhan QD Thai and Khanh-Van Nguyen*  *Title : Stable low-stretch routing scheme for wireless sensor networks with a large hole of complicated shape*  *Any other information : https://ieeexplore.ieee.org/abstract/document/8606882/*  *Publisher : IEEE*  *Year of publication : 2018*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Hai Pham and Khanh Nguyen and Tran Kim Tinh and W Genthe and Petros Lappas and Alessandro Gardi*  *Title : Design of a bistatic LIDAR system and simulating the performance for early detection of rice leaf blast from unmanned aircraft*  *Any other information : https://link.springer.com/article/10.1007/s41348-022-00609-4*  *Publisher : Springer Berlin Heidelberg*  *Year of publication : 2022*  *Journal Journal of Plant Diseases and Protection, volume 129, page 675-685*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Chi-Hieu Nguyen and Khanh-Van Nguyen*  *Title : Multi-UAV Assisted Data Gathering in WSN: A MILP Approach For Optimizing Network Lifetime*  *Any other information : https://ieeexplore.ieee.org/abstract/document/9642131/*  *Publisher : IEEE*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Khanh-Van Nguyen and Chi-Hieu Nguyen and Phi Le Nguyen and Tien Van Do and Imrich Chlamtac*  *Title : Energy-efficient routing in the proximity of a complicated hole in wireless sensor networks (Mar, 10.1007/s11276-021-02569-3, 2021)*  *Any other information : https://scholar.google.com/scholar?cluster=4655993225505948319&hl=en&oi=scholarr*  *Publisher : SPRINGER*  *Year of publication : 2021*  *Journal WIRELESS NETWORKS, volume 27, page 3091-3091*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Tien Thanh Nguyen and Cuong Van Bui and Khanh-Van Nguyen*  *Title : A Reduction Model for Simulating Large-Scale Interconnection Network*  *Any other information : https://link.springer.com/chapter/10.1007/978-981-15-9354-3\_18*  *Publisher : Springer, Singapore*  *Year of publication : 2021*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Khanh Nguyen and Victor J Amores and Francisco J Montans*  *Title : Thermodynamically consistent nonlinear viscoplastic formulation with well-conditioned recovery of the inviscid solution: Theory and implicit integration algorithm with exact solution for the linear case*  *Any other information : https://arxiv.org/abs/2009.12169*  *Publisher :*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Chung Thanh Kieu and Son Quang Vu and Hai Pham Dang and Khanh-Van Nguyen*  *Title : Bus-RSN: Giải pháp tô-pô mạng liên kết dạng lai cho các trung tâm dữ liệu cỡ vừa, tiết kiệm chi phí và đáp ứng không gian mở*  *Any other information : https://ictmag.vn/cntt-tt/article/view/922*  *Publisher :*  *Year of publication : 2020*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Chi-Hieu Nguyen and Chung T Kieu and Khanh-Van Nguyen*  *Title : Improved Compact Routing Schemes for Random Interconnects*  *Any other information : https://www.igi-global.com/article/improved-compact-routing-schemes-for-random-interconnects/256208*  *Publisher : IGI Global*  *Year of publication : 2020*  *Journal International Journal of Distributed Systems and Technologies (IJDST), volume 11, page 89-109*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Van Khang Nguyen*  *Title : Détection et agrégation d'anomalies dans les données issues des capteurs placés dans des smartphones*  *Any other information : https://www.theses.fr/2019SACLL021*  *Publisher :*  *Year of publication : 2019*  *Selected recent publications from a total of approx. : 47*  *Author(s) : Chi-Hieu Nguyen and Khanh-Van Nguyen*  *Title : Balanced landmark-based graph partitioning with application in navigating with limited resources*  *Any other information : https://dl.acm.org/doi/abs/10.1145/3368926.3369722*  *Publisher :*  *Year of publication : 2019* | | | | | | |
| Activities in specialist bodies over the last 5 years | *Organisation* | *Role* | | | *Period* | | |
| *Membership without a specific role need not be mentioned* | | | | | | |