Nguyen The Vinh

Curriculum Vitae

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"In the pursuit of learning one knows more every day; in the pursuit of the way one does less every day. One does less and less until one does nothing at all, and when one does nothing at all there is nothing that is undone." – Lao Tzu

Personal Data

Born	November 21, 1980 at Bac Ninh (Vietnam)	Citizenship:	Vietnam
Gender	Male	Marital status:	married

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Education

1998–2002   **Hanoi University of Science, Vietnam National University**, *Bachelor's Degree in Mathematics*, majoring in Functional Analysis.

2002–2004   **Hanoi University of Science, Vietnam National University**, *Master's Degree in Mathematics*, working on Nonlinear Analysis under the supervision of Professor Do Hong Tan.

2005-2010   **Institute of Mathematics, Vietnam Academy of Science and Technology**, *PhD in Mathematics. Title of PhD Thesis: KKM theory in topological semilattices and applications (Supervisor: Prof. Do Hong Tan).*

Teaching Experience

Aug 2005 – present   **Lecturer and Researcher**, *Department of Mathematics, University of Transport and Communications, Hanoi, Vietnam.*

Teaching interests

Calculus, Numerical Analysis, Fixed Point Theory

Areas of current Interest

○ Variational Inequality and Equilibrium Problems: Theory and Algorithms
○ Split Feasibility Problems and Applications

Research grants

June 2012 – June 2014 **Member of the Research Project 101.01-2011.52, financed by Vietnam National Foundation for Science and Technology Development (NAFOSTED)**.
Project title: Set-valued Analysis and Equilibrium Problems. **Project Leader: Prof. Pham Huu Sach**.

March 2015 – March 2017 **Member of the Research Project 101.01-2014.17, financed by NAFOSTED**.
Project title: Selected topics in the theory of multiobjective optimization problems and vector Ky Fan inequalities. **Project Leader: Prof. Pham Huu Sach**.

March 2017 – present **Member of the Research Project 101.01-2017.08, financed by NAFOSTED**.
Project title: Set-valued optimization with vector and set criteria and related topics. **Project Leader: Prof. Pham Huu Sach**.

Publications

Articles in ISI Journals

[1] **Nguyen The Vinh** and Aviv Gibali, *Gradient projection type algorithms for solving equilibrium problems and its applications*, Computational and Applied Mathematics, Accepted (29 December 2018, **SCIE**).

[2] Duong Viet Thong and **Nguyen The Vinh**, *Inertial methods for fixed point problems and zero point problems of the sum of two monotone mappings*, Optimization, Accepted (13-Jan-2019, **SCIE**).

[3] Duong Viet Thong, **Nguyen The Vinh** and Yeol Je Cho, *A strong convergence theorem for Tseng's extragradient method for solving variational inequality problems*, Optimization Letters, Accepted (08-Jan-2019, **SCIE**).

[4] Duong Viet Thong, **Nguyen The Vinh** and Dang Van Hieu, *Accelerated hybrid and shrinking projection methods for variational inequality problems*, Optimization, 20 Jan 2019, https://doi.org/10.1080/02331934.2019.1566825 (**SCIE**).

[5] Pham Ky Anh, **Nguyen The Vinh** and Vu Tien Dung, *A new self-adaptive CQ algorithm with an application to the LASSO problem*, Journal of Fixed Point Theory and Applications, November 2018, 20:142 (**SCIE**).

[6] Pham Ky Anh and **Nguyen The Vinh**, *Self-adaptive gradient projection algorithms for variational inequalities involving non Lipschitz-continuous operators*, accepted for publication in Numerical Algorithms, 2018, First Online: 06 August 2018, https://doi.org/10.1007/s11075-018-0578-z

[7] Aviv Gibali, Dang Thi Mai and **Nguyen The Vinh**, *A new relaxed CQ algorithm for solving split feasibility problems in Hilbert spaces and its applications*, Journal of Industrial & Management Optimization, First Online: 21 May 2018, http://aimsciences.org/article/doi/10.3934/jimo.2018080

[8] **Nguyen The Vinh**, Prasit Cholamjiak and Suthep Suantai, *A new CQ algorithm for solving split feasibility problems in Hilbert spaces*, Bulletin of the Malaysian Mathematical Sciences Society, First Online: 03 March 2018, https://doi.org/10.1007/s40840-018-0614-0

[9] Gábor Kassay, Trinh Ngoc Hai and **Nguyen The Vinh**, Coupling Popov's algorithm with subgradient extragradient method for solving equilibrium problems, Journal of Nonlinear and Convex Analysis **19** (2018), 959-986 (**SCIE**).

[10] **Nguyen The Vinh** and Pham Thi Hoai, Vector equilibrium problems for multifunctions in topological semilattice spaces, Fixed Point Theory **18** (2017), 741-754 (**SCIE**).

[11] Trinh Ngoc Hai and **Nguyen The Vinh**, Two new splitting algorithms for equilibrium

problems, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas (RACSAM) **111** (2017), 1051-1069 (**SCIE**).

[12] **Nguyen The Vinh** and Pham Thi Hoai, Some subgradient extragradient type algorithms for solving split feasibility and fixed point problems, Mathematical Methods in the Applied Sciences **39** (2016), 3808-3823 (**SCIE**).

[13] **Nguyen The Vinh** and Pham Thi Hoai, New results on system of generalized quasi-Ky Fan inequalities with set-valued mappings in topological semilattice spaces, Journal of Systems Science and Complexity **29** (2016), 1585-1595 (**SCIE**).

[14] Gábor Kassay, Mihaela Miholca and **Nguyen The Vinh**, Vector quasi-equilibrium problems for the sum of two multivalued mappings, Journal of Optimization Theory and Applications **169** (2016), 424-442 (**SCI**).

[15] **Nguyen The Vinh** and Pham Thi Hoai, Ky Fan's inequalities for vector-valued multifunctions in topological ordered spaces, Fixed Point Theory **15** (2014), 253-264 (**SCIE**).

[16] **Nguyen The Vinh**, Some further applications of KKM theorem in topological semilattices, The Journal of Nonlinear Science and Applications **5** (2012), 161-173 (**SCIE**).

Articles in other journals

[1] **Nguyen The Vinh** and Pham Thi Hoai, New results on set-valued vector equilibrium problems, PanAmerican Mathematical Journal **25** (2015), 35 - 51 (**SCOPUS**).

[2] **Nguyen The Vinh**, On essential components of the solution set of a generalized Ky Fan inequality, Communications on Applied Nonlinear Analysis **17** (2010), 89-100 (**SCOPUS**).

[3] **Nguyen The Vinh**, Systems of generalized quasi-Ky Fan inequalities and Nash equilibrium points with set-valued maps in topological semilattices, PanAmerican Mathematical Journal **19** (2009), 79-92 (**SCOPUS**).

[4] **Nguyen The Vinh**, Some generalized quasi-Ky Fan inequalities in topological ordered spaces, Vietnam Journal of Mathematics **36** (2008), 437-449 (**SCOPUS**).

[5] **Nguyen The Vinh**, Matching theorems, fixed point theorems and minimax inequalities in topological ordered spaces, Acta Mathematica Vietnamica **30** (2005), 211-224 (**SCOPUS**).

Participation in conferences

August 25-28, 2014   **Mini-Workshop on Equilibrium and Fixed Point Problems: Theory and Algorithms**, *VIASM, Hanoi, Vietnam.*

February 4-7, 2015   **International Workshop on Some Selected Problems in Optimization and Control Theory**, *VIASM, Hanoi, Vietnam.*

March 16-20, 2015   **6th International Conference on High Performance Scientific Computing**, *VIASM, Hanoi, Vietnam.*

Languages

Vietnamese   **Mother Tongue**

English   **Good**