

M.Sc. Viet-Man Le

University Assistant and PhD Student
Technische Universität Graz
Institut für Softwaretechnologie (7160)
Inffeldgasse 16b/II, Ground Floor, C.0.10
8010 Graz, Austria
Email: vietman.le@ist.tugraz.at



Forschungsgebiete

Configuration Systems, Model-based Diagnosis, Recommender Systems, and Machine Learning

Selected Publications

- Semantics-Preserving Merging of Feature Models**
Uta, M., Le, V.-M., Felfernig, A., Garber, D., Schenner, G. & Tran, T., 30 Okt. 2024, *Proceedings of the 26th International Workshop on Configuration (ConfWS 2024) co-located with the 30th International Conference on Principles and Practice of Constraint Programming (CP 2024)*. CEUR Workshop Proceedings, Band 3812. S. 74-80 7 S. (CEUR Workshop Proceedings).
- INFORMEDQX: Informed Conflict Detection for Over-Constrained Problems**
Le, V.-M., Felfernig, A., Tran, T. N. T. & Uta, M., 25 März 2024, *Proceedings of the 38th AAAI Conference on Artificial Intelligence: Technical Tracks 14*. Wooldridge, M., Dy, J. & Natarajan, S. (Hrsg.). AAAI Press, Band 38, 9. S. 10616-10623 8 S.
- Solving Multi-Configuration Problems: A Performance Analysis with Choco Solver**
Ritz, B., Felfernig, A., Le, V.-M. & Lubos, S., 4 Okt. 2023, *Proceedings of the 25th International Workshop on Configuration (ConfWS 2023)*. Band 3509. S. 45-50 6 S. (CEUR Workshop Proceedings).
- FMTESTING: A FEATUREIDE Plug-in for Automated Feature Model Analysis and Diagnosis**
Burgstaller, T., Le, V.-M., Tran, T. N. T. & Felfernig, A., 28 Sept. 2023, *ECAI 2023 - 26th European Conference on Artificial Intelligence, including 12th Conference on Prestigious Applications of Intelligent Systems, PAIS 2023 - Proceedings: 12th Conference on Prestigious Applications of Intelligent Systems (PAIS 2023)*. Gal, K., Gal, K., Nowe, A., Nalepa, G. J., Fairstein, R. & Radulescu, R. (Hrsg.). IOS Press, S. 3190 - 3195 6 S. (Frontiers in Artificial Intelligence and Applications; Band 372).
- Conjunctive Query Based Constraint Solving for Feature Model Configuration**
Felfernig, A., Le, V.-M. & Lubos, S., 26 Juli 2023, *The 12th Conference on Information Technology and Its Applications - Proceedings of the International Conference CITA 2023: Proceedings of the International Conference CITA 2023*. Nguyen, N. T., Le-Minh, H., Huynh, C.-P. & Nguyen, Q.-V. (Hrsg.). Cham: Springer, Band 734. S. 357-367 11 S. (Lecture Notes in Networks and Systems; Band 734 LNNS).
- FASTDIAGP: An Algorithm for Parallelized Direct Diagnosis**
Le, V.-M., Silva, C. V., Felfernig, A., Benavides, D., Galindo, J. & Tran, T. N. T., 27 Juni 2023, *AAAI-23 Technical Tracks 5*. Williams, B., Chen, Y. & Neville, J. (Hrsg.). Association for the Advancement of Artificial Intelligence (AAAI), Band 37, 5. S. 6442-6449 8 S. (Proceedings of the 37th AAAI Conference on Artificial Intelligence, AAAI 2023; Band 37).
- Table-based knowledge representations for industrial feature models.**
Felfernig, A., Ortner, B. & Le, V.-M., 12 Sept. 2022, *26th ACM International Systems and Software Product Line Conference, SPLC 2022 - Proceedings*. Felfernig, A., Fuentes, L., Cleland-Huang, J., Assuncao, W. K. G., Assuncao, W. K. G., Quinton, C., Guo, J., Schmid, K., Huchard, M., Ayala, I., Rojas, J. M., Le, V.-M. & Horcas, J. M. (Hrsg.). Band B. S. 245-248 4 S.
- Test case aggregation for efficient feature model testing.**
Le, V.-M., Felfernig, A. & Tran, T. N. T., 12 Sept. 2022, *26th ACM International Systems and Software Product Line Conference, SPLC 2022 - Proceedings*. Felfernig, A., Fuentes, L., Cleland-Huang, J., Assuncao, W. K. G., Assuncao, W. K. G., Quinton, C., Guo, J., Schmid, K., Huchard, M., Ayala, I., Rojas, J. M., Le, V.-M. & Horcas, J. M. (Hrsg.). Association of Computing Machinery, Band B. S. 174-177 4 S.
- WipeOutR: automated redundancy detection for feature models.**
Le, V.-M., Felfernig, A., Uta, M., Tran, T. N. T. & Silva, C. V., 12 Sept. 2022, *26th ACM International Systems and Software Product Line Conference, SPLC 2022 - Proceedings*. Felfernig, A., Fuentes, L., Cleland-Huang, J., Assuncao, W. K. G., Assuncao, W. K. G., Falkner, A., Azanza, M., Luaces, M. A. R., Bhushan, M., Semini, L., Devroey, X., Werner, C. M. L., Seidl, C., Le, V.-M. & Horcas, J. M. (Hrsg.). Association of Computing Machinery, Band A. S. 164-169 6 S.

10. **DirectDebug: Automated Testing and Debugging of Feature Models**
Le, V.-M., Felfernig, A., Uta, M., Benavides, D., Galindo, J. & Tran, T. N. T., 7 Mai 2021, *Proceedings - 2021 ACM/IEEE 43rd International Conference on Software Engineering: New Ideas and Emerging Results, ICSE-NIER 2021*. S. 81-85 5 S.
11. **A Conversion of Feature Models into an Executable Representation in Microsoft Excel**
Le, V.-M., Tran, T. & Felfernig, A., 4 Feb. 2021, *Intelligent Systems in Industrial Applications : International Symposium on Methodologies for Intelligent Systems (ISMIS 2020)*. Stettinger, M., Leitner, G., Felfernig, A. & Ras, Z. W. (Hrsg.). Springer, Cham, S. 153-168 16 S. (Studies in Computational Intelligence; Band 949).

Selected Activities

1. **Intelligent Techniques for Efficient Diagnostic Reasoning**
Le, V. M. (Redner/in)
14 Juni 2024
2. **Expert Systems with Applications (Fachzeitschrift)**
Le, V. M. (Peer reviewer)
Apr. 2024
3. **26th ACM International Systems and Software Product Line Conference**
Felfernig, A. (Vorsitzende/r), Stettinger, M. (Vorsitzende/r), Polat Erdeniz, S. (Vorsitzende/r), Tran, T. (Vorsitzende/r), Lubos, S. (Vorsitzende/r) & Le, V. M. (Vorsitzende/r)
12 Sept. 2022 → 16 Sept. 2022

Organisationszugehörigkeiten

2020 - 2024	University Assistant, Institute of Software Technology, Graz University of Technology, Graz, Austria
2004 - 2020	Lecturer, Department of Management Information Systems, University of Economics, Hue University, Hue, Vietnam

Qualifikationen

2009 - 2011	Master of Computer Science, Institute for Informatics in French-speaking areas (IFI), Hanoi, Vietnam
04.2011 - 10.2011	Master Internships, Catholic University of Louvain, Belgium
2000 - 2004	Bachelor of Computer Science, College of Sciences, Hue University, Hue, Vietnam

Grants & Awards

- Internships Grant of Wallonie-Bruxelles International, Avril 2011-November 2011
- Agence Universitaire de la Francophonie (AUF) Grant for Master degree, 2008-2011
- Outstanding Student Award in Computer Science from the Ministry of Science and Technology of Vietnam, 2004