

Thanh MA

Doctor in Artificial Intelligence

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Education

- 2019–2022: **PhD, Computer Science (CS)**, CRIL Laboratory, UMR 8188 & CNRS, Artois University, France,
Thesis title: Belief merging for improving ontologies and open-domain ontology exploitation.
Advisors: Sebastien Konieczny, Ivan Varzinczak, Zied Bouraoui.
- 2011–2013: **Master, CS & Information System**, Can Tho University, Vietnam (GPA: 3.53/4.0 (Rank: 1st in class)),
Thesis title: Controlling Robot Pioneer P3-DX to track object.
Advisors: Thanh-Nghi Do, Nguyen-Khang Pham - GPA of Thesis: 9.3/10 (Rank: 1st in class).
- 2007–2011: **Bachelor of Software Engineering**, An Giang Univeristy, Vietnam (GPA: 3.35/ 4.0 (1st in class)),
Thesis title: Building system to seek the best tourist places (ASP.NET, Mobile OS)).
Advisors: Thai-Du Nguyen - GPA of Thesis: 9.8/10 (Rank: 1st in class).

Publications

In Conference Proceedings

- 2022 Zied Bouraoui, Sebastien Konieczny, **Thanh Ma**, and Ivan Varzinczak. Tree Edit Distance Based Ontology Merging Evaluation Framework. In *In Proceedings of the 15th International Conference on Knowledge Science, Engineering and Management (KSEM' 2022)*, 2022.
- 2022 Zied Bouraoui, Sebastien Konieczny, **Thanh Ma**, Nicolas Schwind, and Ivan Varzinczak. Region-Based Merging of Open-Domain Terminological Knowledge. In *Proceedings of the 18th International Conference on Principles of Knowledge Representation and Reasoning (KR'22)*, 2022.
- 2022 Salem Benferhat, Zied Bouraoui, **Thanh Ma**, and Karim Tabia. Representing Vietnamese Traditional Dances and handling inconsistent information. In *Proceedings of the 19th the International conference on information processing and management of uncertainty in knowledge-based systems (IPMU'22)*, 2022.
- 2021 **Thanh Ma**, Ngan-Khanh Chau, Zied Bouraoui, and Thanh Nghi Do. A Vietnamese Festival Preservation Application. In *Proceedings of the 15th International Conference on Information Technology and Applications (ICITA'21)*, 2021.
- 2020 Ngan Khanh Chau and **Thanh Ma**. An Automatic Detection of Fundamental Postures in Vietnamese Traditional Dances. In *Proceedings of 9th International Conference on Information Technology Convergence and Services (ITCSE'2020)*, 2020.
- 2020 Zied Bouraoui, Sebastien Konieczny, **Thanh Ma**, and Ivan Varzinczak. Model-based Merging of Open-Domain Ontologies. In *Proceedings of the 2020 IEEE 32nd International Conference on Tools with Artificial Intelligence (ICTAI'20)*, 2020.
- 2020 Zied Bouraoui, Sebastien Konieczny, **Thanh Ma**, and Ivan Varzinczak. An application for merging open-domain ontologies. In *Proceedings of the Journees d'Intelligence Artificielle Fondamentale (JIAF'20)*, pages 79–88, 2020.

- 2019 **Thanh Ma**, Rym Mohamed, and Zied Bouraoui. On the Fusion of Prioritized EL Ontologies. In *Proceedings of the 15th International Conference on Signal-Image Technology & Internet-Based Systems (SITIS'19)*, pages 341–347, 2019.
- 2019 **Thanh Ma**, Salem Benferhat, Zied Bouraoui, Karim Tabia, Thanh Nghi Do, and Nguyen Khang Pham. An Automatic Extraction Tool for Ethnic Vietnamese Thai Dances Concepts. In *Proceedings of the 18th IEEE International Conference On Machine Learning And Applications (ICMLA'19)*, pages 1527–1530, 2019.
- 2019 Patcharaphon Sribunthankul, Pradorn Sureephong, Karim Tabia, and **Thanh Ma**. Developing the Evaluation System of the Thai Dance Training Tool. In *ECTI DAMT-NCON'19*, pages 163–167, 2019.
- 2019 Thanh Tung Pham, Salem Benferhat, Thi Chau Ma, **Thanh Ma**, Karim Tabia, and Thanh Ha Le. On the Detection of Video's Ethnic Vietnamese Thai Dance Movements. In *Proceedings of the 15th International Conference on Signal-Image Technology & Internet-Based Systems (SITIS'19)*, pages 355–362, 2019.
- 2018 **Thanh Ma**, Salem Benferhat, Zied Bouraoui, Karim Tabia, Thanh Nghi Do, and Huu Hoa Nguyen. An Ontology-based Modelling of Vietnamese Traditional Dances. In *Proceedings of the 30th Intl Conf. on Software Engineering & Knowledge Engineering (SEKE'18)*, 2018.
- 2018 **Thanh Ma**, Salem Benferhat, Zied Bouraoui, Thanh Nghi Do, and Huu Hoa Nguyen. Developing Application Based Upon An Ontology-Based Modelling of Vietnamese Traditional Dances. In *Proceedings of the International Congress & Expo. Digital Heritage (DH'18)*, pages 1–7, 2018.
- 2015 **Thanh Ma**, Thanh Nghi Do, Nguyen Khang Pham, and Ngan Khanh Chau. Controlling Robot P3-DX with MFCC and NBNN. In *Proceedings of the National Symposium Fundamental and Applied IT Research (FAIR'15)*, pages 197–206, 2015.
- 2014 **Thanh Ma**, Thanh Nghi Do, Nguyen Khang Pham, and Huu Hoa Nguyen. Machine learning in Robot Tracking. In *Proceedings of the Conference in Computer Science*, pages 342–348, 2014.

Awards

- 2015 – 2018 Prizes for Young Creative Competition of SocTrang Province include: 2018: 2nd (Individual), 3rd (Team); 2017: 1st (Team) 2016, 2nd (Individual); 2016: 3rd (Individual); 2015: 2nd (Team).
- 2011 Awarded 3rd prize of the Graduate Thesis Competition of IBM company.

Project

- 2020–present Member of ANR CHAIRE IA BE4musIA, (2020-2023).
- 2017–2019 Member of AniAge project (Horizon 2020, European commission - H2020-MSCA-RISE-2015).

Computer skills

- Languages Python, PyTorch, Keras, R, C, C++, C#, JAVA, Visual Basic, OpenMP.
- Web HTML5, CSS3, PHP, ASP, JSP, Javascript, NodeJS, Web Service, Bootstrap.
- Database SQL, MySQL, Apache, SPARQL, Ontology, DB2, XML.
- Graphics Photoshop, Corel, After Effect, OpenCV.

Teaching

- 2011-present: **Lecturer at STCC, Vietnam**, Operating Systems Knowledge (112 hours); C, C++ Programming languages (157h); .NET C# and SQL Server (225h); Web Development with PHP and MySQL (340h); Object Oriented Programming (64h); Data Mining: 90h; Image Processing & Computer vision (45h); Database (438h); Data structure (202 hours); Mathematic in Informatics (45h); Graph Theory (105h); Algorithm (95h); E-Commerce (135h); Advisor of Bachelors (29 students).