MANH-HAI HOANG

University of Alberta, Edmonton, Canada

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RESEARCH INTERESTS:

Application of Network Science in various fields, namely Social Science and Computer Science.

EDUCATIONS:

B.Sc. Specialization in Computing Science, University of Alberta, 2023.

AWARDS:

Dean's Honor Roll, 2019 - 2023.
International Student Scholarship, 2019 - 2022.
Undergraduate Scholarship, Sep. 2020.

EXPERIENCES:

Project Research Assistant, *Hanoi University of Science and Technology*, Nov. 2023 - present.

- Conduct literature reviews, collect process datasets, co-develop the simulation scripts to support the research methodology and objectives.
- Oversee program execution of multiple simulations, monitor outputs to ensure consistency and reproducibility across different scenarios.
- Collaborate on project deliverables including graphical visualizations, manuscript and presentations.

PUBLICATIONS:

[1] Thang Manh Hoang, <u>**Manh-Hai** Hoang</u>, and Quang-Anh Pham. "Dynamical Selective Image Encryption Using Chaos". In: *2024 9th International Conference on Integrated Circuits, Design, and Verification (ICDV)*. 2024, pp. 67–72. DOI: `10.1109/ICDV61346.2024.10617400`.

[2] Thang Manh Hoang, Quang-Anh Pham, <u>**Manh-Hai** Hoang</u>, Do Quang Tran, and Safwan El Assad. "Chaotic Multiple-image Encryption and Individual-image Decryption with FPGA Implementation". In: *2024 9th International Conference on Integrated Circuits, Design, and Verification (ICDV)*. 2024, pp. 61–66. DOI: `10.1109/ICDV61346.2024.10617030`.

[3] Thang Manh Hoang, Dinh-Duc Vu, and <u>**Manh-Hai** Hoang</u>. "Classification of Electroencephalography Signals with Auditory Stimuli using Complex Network". In: *2024 Tenth International Conference on Communications and Electronics (ICCE)*. 2024, pp. 567–572. DOI: `10.1109/ICCE62051.2024.10634689`.

[4] Do Tran Quang, Ta Thi Kim Hue, Nguyen Xuan Quyen, Nguyen Tung Anh, <u>**Manh-Hai** Hoang</u>, and Thang Manh Hoang. "Effective Consensus Computation for Public Blockchain in Small-World Network Environment". In: *2024 Tenth International Conference on Communications and Electronics (ICCE)*. 2024, pp. 451–456. DOI: `10.1109/ICCE62051.2024.10634707`.

REFERENCES:

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