

Thang Bui

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EDUCATION

- Stony Brook University.** Ph.D., Computer Science. February 2021.
Stony Brook University. M.S., Computer Science. August 2019.
Stony Brook University. B.S., Computer Science, *Magna Cum Laude*. May 2016.

AWARDS AND HONORS

- Best Paper Award, 30th Annual IFIP WG 11.3 Working Conference on Data and Applications Security and Privacy (DBSec 2016), with Professor Scott Stoller.
- Undergraduate Recognition Award for Academic Excellence, Office of the President, Stony Brook University, 2016.

PUBLICATIONS

Journal Publications

1. Thang Bui, Scott D. Stoller, and Jiajie Li. Greedy and Evolutionary Algorithms for Mining Relationship-Based Access Control Policies. *Computers & Security*, 80:317-333, January 2019.
2. Scott D. Stoller and Thang Bui. Mining Hierarchical Temporal Roles with Multiple Metrics. *Journal of Computer Security* 26(1):121-142, 2018.

Refereed Conference Publications

1. Thang Bui and Scott D. Stoller. Learning Attribute-Based and Relationship-Based Access Control Policies with Unknown Values. In *Proceedings of the 16th International Conference on Information Systems Security*, volume 12553 of *Lecture Notes in Computer Science*. Springer-Verlag, 2020.
2. Thang Bui and Scott D. Stoller. A Decision Tree Learning Approach for Mining Relationship-Based Access Control Policies. In *Proceedings of the 25th ACM Symposium on Access Control Models and Technologies (SACMAT 2020)*. ACM Press, 2020.
3. Thang Bui, Scott D. Stoller, and Hieu Le. Efficient and Extensible Policy Mining for Relationship-Based Access Control. In *Proceedings of the 24th ACM Symposium on Access Control Models and Technologies (SACMAT 2019)*. ACM Press, 2019.
4. Thang Bui, Scott D. Stoller, and Jiajie Li. Mining Relationship-Based Access Control Policies from Incomplete and Noisy Data. In *Proceedings of the 11th International Symposium on Foundations & Practice of Security (FPS 2018)*, volume 11358 of *Lecture Notes in Computer Science*. Springer-Verlag, 2018.
5. Thang Bui, Scott D. Stoller, and Shikhar Sharma. Fast Distributed Evaluation of Stateful Attribute-Based Access Control Policies. In *Proceedings of the 31st Annual IFIP WG 11.3 Working Conference on Data and Applications Security and Privacy (DBSec 2017)*, volume 9766 of *Lecture Notes in Computer Science*. Springer-Verlag, 2017.

6. Thang Bui, Scott D. Stoller, and Jiajie Li. Mining Relationship-Based Access Control Policies. In *Proceedings of the 22nd ACM Symposium on Access Control Models and Technologies (SACMAT 2017)*. ACM Press, 2017.
7. Scott D. Stoller and Thang Bui. Mining Hierarchical Temporal Roles with Multiple Metrics. In *Proceedings of the 30th Annual IFIP WG 11.3 Working Conference on Data and Applications Security and Privacy (DBSec 2016)*, volume 9766 of Lecture Notes in Computer Science, pages 79-95. Springer-Verlag, 2016. **Received the conference's Best Paper Award.**

Posters

1. Thang Bui, Scott D. Stoller, and Hieu Le. Policy Mining for Relationship-Based Access Control. 24th ACM Symposium on Access Control Models and Technologies (SACMAT 2019), Toronto, Canada, June 2019.
2. Thang Bui, Scott D. Stoller, and Jiajie Li. Mining Relationship-Based Access Control Policies. 13th International Conference on Emerging Technologies for a Smarter World, Stony Brook, NY, November 7, 2017.
3. Thang Bui, Scott D. Stoller, and Jiajie Li. Mining Relationship-Based Access Control Policies. Security and Privacy Day (Greater New York Area Edition), New York, NY, October 13, 2017.

ACADEMIC ACTIVITIES

Assistant Professor

Department of Computer Science and Information Systems,
West Virginia University, Institute of Technology.

Instructor

Computer Science and Informatics Summer Research Experience Program 2019.

- Taught a module on access control as a guest lecturer.
- Supervised 1 high school student on a security policy mining project.

Teaching Assistant

Analysis of Algorithms (Spring 2017)

System Fundamentals (Fall 2016)

Introduction to Procedural and Object-Oriented Programming (Spring 2015)

Publicity Chair

ACM Symposium on Access Control Models and Technologies (SACMAT), 2020

Graduate Research Symposium 2019, Stony Brook, New York, February 2019.

Reviewer for Journals

ACM Computing Surveys

Computers & Security

IEEE Transactions on Dependable and Secure Computing

International Journal of Information Security

Sub-reviewer for Conferences

ACM Symposium on Access Control Models and Technologies (SACMAT), 2019

IFIP WG 11.3 Working Conference on Data & Applications Security & Privacy (DBSec), 2018 and 2019

ACM Conference on Data and Application Security and Privacy (CODASPY), 2018.

EXTRACURRICULAR ACTIVITIES**Stony Brook University Table Tennis Team Captain (2018–2020)**

1st place in New York Uptown Divisional Collegiate Championship

3rd place in the Northeast Regional Collegiate Championship

13th place in the North American Collegiate Championship

Computer Science Graduate Student Organization (CSGSO) Vice President (2019–2020)

Organize and obtain funding for Stony Brook University Computer Science department events

Receive Outstanding Graduate Student Organization Award