# THE UNIVERSITY OF BRITISH COLUMBIA
*Curriculum Vitae*

**Date:** April 28, 2025          Initials: TP

**1.     SURNAME:** Pasquier          **FIRST NAME:** Thomas

## 2.     POST-SECONDARY EDUCATION

*(a)     Degrees*

| University or Institution | Degree | Subject Area | Dates |
|---|---|---|---|
| University of Cambridge | PhD | Computer Science | 09/12–06/16 |
| University of Cambridge | MPhil | Computer Science | 09/11–09/12 |
| Institut supérieur d'électronique de Paris | Dip. Ingé. | EEE | 09/08–09/11 |
| Conservatoire national des arts et métiers | DUT | EEE | 09/06–09/08 |

**Title of Dissertation:** Towards practical information flow control and audit.
**Name of Supervisor:** Jean Bacon

## 3.     EMPLOYMENT RECORD

*(a)     At UBC*

| Rank or Title | Dates |
|---|---|
| Assistant Professor | 07/2021 to present |

*(b)     Appointments outside of UBC*

| University, Company or Organization | Rank or Title | Dates |
|---|---|---|
| University of Bristol | Assistant Professor | 08/18–07/21 |
| University of Cambridge | Research Associate | 12/17–08/18 |
| Harvard University | Postdoctoral Fellow | 06/16–12/17 |
| University of Cambridge | Graduate Research Assistant | 01/13–06/16 |
| Public Health England | R&D Software Engineer | 06/12–09/12 |
| Gemalto | R&D Software Engineer | 09/08–09/11 |
| SRETT | R&D Electronic Engineer | 09/06–09/08 |

## 4.     TEACHING

*(a)     Courses Taught at the University of British Columbia*

| Session | Course Code | Class Size | Hours Taught / Week | | | | Student Evaluation |
|---|---|---|---|---|---|---|---|
| | | | Lectures | Tutorials | Labs | Other | |
| 2024-2025 W2 | CPSC 538P | 10 | 3 | 0 | 0 | 0 | |
| 2024-2025 W1 | CPSC 436A | 41 | 2 | 2 | 3 | 0 | 4.8* |

*(continued. . . )*

| Session | Course Code | Class Size | Hours Taught / Week | | | | Student Evaluation |
|---|---|---|---|---|---|---|---|
| | | | Lectures | Tutorials | Labs | Other | |
| 2023-2024 W2 | CPSC 538S | 18 | 3 | 0 | 0 | 0 | 4.3 |
| 2023-2024 W1 | CPSC 436A | 23 | 2 | 2 | 3 | 0 | 5.0* |
| 2022-2023 W2 | CPSC 538P | 9 | 3 | 0 | 0 | 0 | 4.8* |
| 2022-2023 W1 | CPSC 436A | 39 | 2 | 2 | 3 | 0 | 4.8* |

\* The course received a congratulation letter from the Dean for achieving some of the highest student evaluation results in the Faculty of Science.

*(b)    Courses Taught at University of Bristol*

| Session | Course Code | Class Size | Hours Taught / Week | | | |
|---|---|---|---|---|---|---|
| | | | Lectures | Tutorials | Labs | Other |
| 2020-2021 TB2 | COMS20012 | 182 | 3 | 1 | 2 | 0 |
| 2020-2021 TB1 | COMSM0050 | 32 | 3 | 1 | 2 | 0 |
| 2019-2020 TB1 | COMSM1500 | 46 | 3 | 0 | 2 | 0 |
| 2018-2019 TB1 | COMSM1500 | 44 | 3 | 0 | 2 | 0 |

## 5.    SUPERVISION

*(a)    Undergraduate Students Supervised*

| Student Name | Program | Start | Finish | Role |
|---|---|---|---|---|
| Vanessa Ip | BSc Computer Science | 2025 | 2025 | Directed Study |
| Anrui Liu | BA Computer Science | 2025 | 2025 | Directed Study |
| Jiayin Kralik | BA Computer Science | 2024 | 2025 | Directed Study |
| Shibo Ai | BSc Computer Science | 2024 | 2024 | USRA Intern |
| Sophie Ren | BSc Computer Science | 2023 | 2023 | USRA Intern |
| Japraj Sandhu | BSc Computer Science | 2023 | 2024 | Directed Study |
| Japraj Sandhu | BSc Computer Science | 2022 | 2023 | Directed Study |

*(b)    non-UBC Undergraduate Students Supervised*

| Student Name | Home Institution | Start | Finish | Role |
|---|---|---|---|---|
| Anastasiia Beheni | Ukrainian Catholic University, UA | 2025 | 2025 | Visiting Student (thesis) |
| Dmytro Buialo | Kyiv Polytechnic Institute, UA | 2024 | 2024 | Intern |
| Anastasiia Beheni | Ukrainian Catholic University, UA | 2024 | 2024 | Intern |
| Shreya Gangopadhyay | IIT, IN | 2024 | 2024 | Intern |
| Olivia Caulfield | Wake Forest University, US | 2023 | 2023 | Intern |
| Priyansh Rathi | IIT, IN | 2023 | 2023 | Intern |
| Chirag Jaju | BITS, IN | 2023 | 2023 | Intern |
| Abdul Monum | LUMS, PK | 2022 | 2023 | Intern |
| Muhammad Shahpar Nafees Khan | LUMS, PK | 2022 | 2023 | Intern |
| Syeda Mashal Abbas Zaidi | LUMS, PK | 2022 | 2023 | Intern |
| Ziying Shao | University of Bristol, UK | 2018 | 2019 | Honor Thesis |

*(c)    Master Students Supervised*

| Student Name | Program | Start | Finish | Supervisor | CoSupervisor |
|---|---|---|---|---|---|
| Tanya Prasad | MSc | 2023 | | Thomas Pasquier | |
| Haley Li | MSc | 2023 | 2024 | Mathias Lécuyer | Thomas Pasquier |
| Nichole Boufford | MSc | 2021 | 2024 | Thomas Pasquier | |
| Jinyuan Liang | MSc | 2021 | 2024 | Thomas Pasquier | |
| Mayank Tiwary | MSc | 2021 | 2023 | Ivan Beschastnikh | Thomas Pasquier |

*(d)      non-UBC Master Students Supervised*

| Student Name | Program | Start | Finish | Supervisor | CoSupervisor |
|---|---|---|---|---|---|
| Bogdan Stelea | MEng (UoB) | 2020 | 2021 | Thomas Pasquier | |
| Josh Turner | MEng (UoB) | 2020 | 2021 | Thomas Pasquier | |
| Chetankumar Mistry | MEng (UoB) | 2019 | 2020 | Thomas Pasquier | |
| Xiaoxiao Wu | MSc (UoB) | 2019 | 2020 | Thomas Pasquier | |
| Yangyang Teng | MEng (UoB) | 2018 | 2019 | Thomas Pasquier | |

*(e)      PhD Students Supervised*

| Student Name | Program | Start | Finish | Supervisor | CoSupervisor |
|---|---|---|---|---|---|
| Xuechun Cao | PhD | 2022 | | Thomas Pasquier | |
| Soo Yee Lim | PhD | 2021 | | Thomas Pasquier | |

*(f)      Visiting PhD Students Supervised*

| Student Name | Home Institution | Start | Finish |
|---|---|---|---|
| Baoxiang Jiang | Jiaotong University, CN | 2024 | 2025 |
| Tristan Bilot | Université Paris-Saclay, FR | 2024 | 2024 |
| Wellison Raul Mariz Santos | Universidade Federal de Pernambuco, BR | 2023 | 2024 |

*(g)      Graduate Supervisory Committees*

The start dates reflect my own involvement with their work, not when the student began their program.

| Student Name | Program | Start | Finish | Role |
|---|---|---|---|---|
| Tristan Bilot | Ph.D. (Université Paris-Saclay) | 2024 | | External Committee Member |
| Baoxiang Tang | Ph.D. (Jiaotong University) | 2024 | | External Committee Member |
| Zeliang Kan | Ph.D. (King's College London) | 2024 | 2024 | External Examiner |
| Joseph Wonsil | Ph.D. (UBC CS) | 2024 | | Ph.D. Committee |
| Puneet Mehrotra | Ph.D. (UBC CS) | 2024 | | Ph.D. Committee |
| Sid Agrawal | Ph.D. (UBC CS) | 2024 | | Ph.D. Committee |
| Surbhi Palande | Ph.D. (UBC CS) | 2023 | | Ph.D. Committee |
| Shaurya Patel | Ph.D. (UBC ECE) | 2023 | | Ph.D. Committee |
| Sid Agrawal | Ph.D. (UBC CS) | 2022 | 2023 | RPE Committee |
| Puneet Mehrotra | Ph.D. (UBC CS) | 2021 | 2021 | RPE Committee |

# 6.      SCHOLARLY AND PROFESSIONAL ACTIVITIES

*(a)      Invited Presentations*

- *"Lessons Learned Building Provenance-based Intrusion Detection Systems."*
  Invited talk at Amazon Vancouver. Vancouver. March 6, 2025.

- *"Towards Kernel Observability and Policy Customization for Containerized Applications."*
  Invited talk at Huawei Toronto. Online. November 10, 2022.
- *"Tracking and Analyzing Provenance."*
  Invited talk at IBM Research Almaden. Online. December 1, 2021.
- *"Efficient Large-Scale Data Provenance Tracking and Analyzing: Intrusion Detection."*
  Invited talk at Two Sigma. Online. January 28, 2021.
- *"Building a provenance-based intrusion detection system."*
  Invited talk at the Academy of Mathematics and Systems Science, Chinese Academy of Sciences. Online. December 8, 2020.
- *"Building a provenance-based intrusion detection system."*
  Invited talk at Toshiba UK. Online. November 26, 2020.
- *"Provenance-based intrusion detection."*
  Invited talk at the UK-Israel Network and Data Infrastructure Security Online Workshops. Online. November 12, 2020.
- *"To Tune or not To Tune."*
  Invited talk at the Azure Data ML Talk Series, Microsoft. November 5, 2020.
- *"Provenance-based Intrusion Detection."*
  Invited talk at the UK PhD Winter School on Cyber Security. Newcastle University. January 15, 2020.
- *"Building a provenance-based IDS."*
  Invited talk at Provenance, security & machine learning. The Alan Turing Institute, London. November 11, 2019.
- *"Towards provenance-based intrusion detection"*
  Invited talk at HP Labs. Bristol. June 6, 2019.
- *"Towards provenance-based intrusion detection"*
  Invited talk at the Workshop on Machine Learning for Cyber Security. Loughborough University. March 11, 2019.
- *"Building a provenance-based intrusion detection system"*
  Invited talk at Royal Holloway, University of London. January 22, 2019.
- *"Building a provenance capture mechanism"*
  Invited talk at Trusted system design group, University of Cambridge. June 6, 2018.
- *"Towards practical whole-system provenance"*
  Invited talk at the Institute for Computing Systems Architecture Colloquium, University of Edinburgh. January 8, 2018.

*(b)    Media*

- July 2024. CTV News, "B.C. flights and hospitals impacted by tech outage".
- May 2024. Radio Canada, "Entrevue avec Thomas Pasquier : les attaques informatiques se multiplient".
- May 2024. CTV News, "Millions of cyberattacks per hour as B.C. government investigates multiple breaches".
- May 2024. The Globe and Mail, "B.C. government says it is investigating cybersecurity incidents".
- April 2024. Canadian Affairs, "How booking bots may be making your life difficult".

*(c)   Conference Participation (Organizer, Keynote Speaker, etc.)*

- **Program co-chair**: USENIX Workshop on Theory and Practice of Provenance, 2021.
- **Workshop and Tutorial co-chair**: IEEE International Conference on Cloud Engineering, 2021.
- **Program chair**: USENIX Workshop on Theory and Practice of Provenance, 2020.
- **Program chair**: Provenance-based Security Workshop (collocated with USENIX TaPP), 2018.
- **Publicity chair**: IEEE International Conference on Cloud Engineering, 2017.

## 7.   SERVICE TO THE UNIVERSITY

*(a)   Memberships on committees, including offices held and dates*

**Departmental Committees:**

- Graduate Affairs Committee, 2024–2025.
- Open-search Hiring Committee, 2023–2024.
- Head Search Committee, 2023.
- Teaching Evaluation Committee, 2023.
- Graduate Admission Committee, 2021–2022.

**University of Bristol, Faculty of Engineering**:

- Workload Committee, 2020–2021.

*(b)   Other service, including dates*

**University of British Columbia**:

- NSERC Graduate Scholarships adjudication, 2022.

**University of Bristol, Department of Computer Science**:

- Study Abroad Academic Director, 2019–2021.

## 8.   SERVICE TO THE COMMUNITY

*(a)   Memberships in scholarly societies, including offices held and dates*

- USENIX, member, 2017 – present.
- Association of Computing Machinery (ACM) Member, 2013–present.
- Société des Ingénieurs et Scientifiques de France (IESF), member, 2011 – present

*(b)   General Chair*

- ACM Conference on Reproducibility and Replicability (REP) 2025.

*(c)   Steering Committees*

- USENIX Workshop on Theory and Practice of Provenance, 2020 – present

*(d)   Editorial Board*

- Nature Scientific Data, 2024–present.

*(e)      Program Committees*

- ACM 31st International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS), 2026.
- USENIX 18th Symposium on Operating Systems Design and Implementation (OSDI), 2025.
- ACM 20th European Conference on Computer Systems (EuroSys), 2025.
- ACM 30th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS), 2025.
- USENIX 34th Security Symposium (USENIX Sec), 2025.
- USENIX 33rd Security Symposium (USENIX Sec), 2024.
- ACM 2nd Conference on Reproducibility and Replicability (REP), 2024.
- IEEE 16th Workshop on Theory and Practices of Provenance (TaPP), 2024.
- ACM 27th Symposium on Operating Systems Principles (SOSP), 2023.
- ACM 30th Conference on Computer and Communications Security (CCS), 2023.
- ACM 18th European Conference on Computer Systems (EuroSys), 2023.
- IEEE 8th European Symposium on Security and Privacy (EuroS&P), 2023.
- ACM 1st Conference on Reproducibility and Replicability (REP), 2023.
- ACM/IFIP 24th International Middleware Conference, 2022.
- ACM/IFIP Middleware Doctoral Workshop, 2022.
- IEEE 10th International Conference on Cloud Engineering (IC2E), 2022.
- ACM 29th Conference on Computer and Communications Security (CCS), 2022.
- IEEE/ACM 22nd International Symposium on Cluster, Cloud and Internet Computing (CC-GRID), 2022.
- IEEE 5th Conference on Dependable and Secure Computing (DSC), 2022.
- ACM/IFIP Middleware Doctoral Workshop, 2021.
- IEEE 9th International Conference on Cloud Engineering (IC2E), 2021.
- ACM 7th Workshop on Middleware and Applications for the Internet of Things (M4IoT), 2021.
- ACM/IFIP Middleware Doctoral Workshop, 2020.
- ACM 15th European Conference on Computer Systems (EuroSys), 2020.
- ACM 6th Workshop on Middleware and Applications for the Internet of Things (M4IoT), 2020.
- ACM/IFIP Middleware Doctoral Workshop, 2019.
- IEEE 4th International Conference on Cyber Security and Protection of Digital Services, 2019.
- ACM 5th Workshop on Middleware and Applications for the Internet of Things (M4IoT), 2019.
- USENIX 10th Workshop on Theory and Practices of Provenance (TaPP), 2019.
- ACM 4th Workshop on Middleware and Applications for the Internet of Things (M4IoT), 2018.
- IEEE 3rd International Workshop on Legal and Technical Issues in Cloud Computing and the Internet of Things (CLAW), 2018.
- USENIX 9th Workshop on Theory and Practices of Provenance (TaPP), 2017.
- IEEE 2nd International Workshop on Legal and Technical Issues in Cloud Computing and the Internet of Things (CLAW), 2017.
- ACM 3rd Workshop on Middleware and Applications for the Internet of Things (M4IoT), 2016
- IEEE 1st International Workshop on Legal and Technical Issues in Cloud Computing and the Internet of Things (CLAW), 2016.
- ACM 1st International Workshop on Mashups of Things and APIs, 2016.

*(f)    Reviewer (journal, agency, etc., including dates)*

**Journals**

- IEEE Transactions on Information Forensics & Security
- IEEE Transactions on Dependable and Secure Computing
- Springer Personal and Ubiquitous Computing
- ACM Transactions on the Web
- IEEE Transactions on Cloud Computing
- IEEE Transactions on Parallel and Distributed Systems
- IEEE Access
- IEEE Computing in Science and Engineering
- Nature Springer Humanities & Social Sciences Communications

*(g)    Consultant (indicate organization and dates)*

- BC Prosecution Service – Vancouver Regional Crown Counsel, 2021–2022.

## 9.    AWARDS AND DISTINCTIONS

- Killam Connection Award, University of British Columbia 2023–2024.
- Amazon Research Award, Amazon 2024.
- Green College Leading Scholar, University of British Columbia 2022–2024.
- St Edmund's College Research Fellowship, University of Cambridge 2018.
- Hall of Fame Award, Publication of the Year, Cambridge Ring, University of Cambridge, 2017.
- CRCS Postdoctoral Fellowship, Harvard University, 2016–2017.
- Jesus College (University of Cambridge) Graduate Student Award, 2012.

## 10.    REFEREED PUBLICATIONS

*(a)    Refereed Conference Publications*

[C1] **Jiang**, B., **Bilot**, T., El Madhoun, N., Al Agha, K., Zouaoui, A., Iqbal, S., Han, X., and **Pasquier**, T. ORTHRUS: Achieving High Quality of Attribution in Provenance-based Intrusion Detection Systems. In *Security Symposium ( USENIX Sec'25 )* (2025), USENIX

[C2] **Cao**, X., **Patel**, S., **Lim**, S. Y., Han, X., and **Pasquier**, T. FetchBPF: Customizable Prefetching Policies in Linux with eBPF. In *Annual Technical Conference ( ATC'24 )* (2024), USENIX. 15.8%(77/488)

[C3] Cheng, Z., Lv, Q., **Liang**, J., Wang, Y., Sun, D., **Pasquier**, T., and Han, X. Kairos: Practical Intrusion Detection and Investigation using Whole-system Provenance. In *Symposium on Security and Privacy ( S&P'24 )* (2024), IEEE. 17.8% (261/1389) **over 50 citations**

[C4] **Boufford**, N., **Wonsil**, J., Pocock, A., Sullivan, J., Seltzer, M., and **Pasquier**, T. Computational Experiment Comprehension using Provenance Summarization. In *Conference on Reproducibility and Replicability (REP'24)* (2024), ACM. **Best Junior Presentation**

[C5] **Abbas**, M., **Khan**, S., **Monum**, A., Zaffar, F., Tahir, R., Eyers, D., Irshad, H., Gehani, A., Yegneswaran, V., and **Pasquier**, T. Paced: Provenance-based automated container escape detection. In *International Conference on Cloud Engineering (IC2E)* (2022), IEEE. 39.1%(9/23)

[C6] RAIMONDO, F., EROL, U., GUNNER, S., POPE, J., ZAKRZEWSKI, R., FAULKS, M., MC-CONVILLE, R., **Pasquier**, T., PIECHOCKI, R., AND OIKONOMOU, G. Iot key exchange performance analysis. In *International Conference on Embedded Wireless Systems and Networks* (2022), ACM, pp. 238–243. 30.4%(14/46)

[C7] HAN, X., YU, X., **Pasquier**, T., LI, D., RHEE, J., MICKENS, J., SELTZER, M., AND CHEN, H. SIGL: Securing Software Installations Through Deep Graph Learning. In *Security Symposium ( USENIX Sec'21 )* (2021), USENIX. 18.7%(246/1316) **over 50 citations**

[C8] **Lim**, S. Y., **Stelea**, B., HAN, X., AND **Pasquier**, T. Secure Namespaced Kernel Audit for Containers. In *Symposium on Cloud Computing (SoCC'21)* (2021), ACM. 24.5%(35/143)

[C9] HAN, X., **Pasquier**, T., BATES, A., MICKENS, J., AND SELTZER, M. UNICORN: Runtime Provenance-Based Detector for Advanced Persistent Threats. In *Network and Distributed System Security Symposium ( NDSS'20 )* (2020), Internet Society. 17.4%(88/506) **over 100 citations**

[C10] FEKRY, A., CARATA, L., **Pasquier**, T., RICE, A., AND HOPPER, A. To Tune or Not to Tune? In Search of Optimal Configurations for Data Analytics. In *Conference on Knowledge Discovery and Data Mining ( KDD'20 )* (2020), ACM. 16.6%(338/2,035) **over 50 citations**

[C11] FEKRY, A., CARATA, L., **Pasquier**, T., AND RICE, A. Accelerating the Configuration Tuning of Big Data Analytics with Similarity-aware Multitask Bayesian Optimization. In *International Conference on Big Data (BidData'20)* (2020), IEEE. 15.7%(84/535)

[C12] **Mistry**, C., **Stelea**, B., KUMAR, V., AND **Pasquier**, T. Demonstrating the practicality of unikernels to build a serverless platform at the edge. In *International Conference on Cloud Computing Technology and Science (CloudCom'20)* (2020), IEEE, pp. 25–32. not available.

[C13] O'KEEFFE, D., ASMA, V., **Pasquier**, T., AND EYERS, D. Facilitating plausible deniability for cloud providers regarding tenants' activities using trusted execution. In *International Conference on Cloud Engineering (IC2E'20)* (2020), IEEE

[C14] CHAN, S. C., CHENEY, J., BHATOTIA, P., GEHANI, A., IRSHAD, H., **Pasquier**, T., CARATA, L., AND SELTZER, M. ProvMark: A Provenance Expressiveness Benchmarking System. In *International Middleware Conference* (2019), ACM/IFIP. 24%(25/104)

[C15] FEKRY, A., CARATA, L., **Pasquier**, T., RICE, A., AND HOPPER, A. Towards Seamless Configuration Tuning of Big Data Analytics. In *International Conference on Distributed Computing Systems (ICDCS'19)* (2019), IEEE. 19.6%(131/668)

[C16] **Pasquier**, T., HAN, X., MOYER, T., BATES, A., HERMANT, O., EYERS, D., BACON, J., AND SELTZER, M. Runtime analysis of whole-system provenance. In *Conference on Computer and Communications Security ( CCS'18 )* (2018), ACM. 16.6%(134/809) **over 100 citations**

[C17] **Pasquier**, T., HAN, X., GOLDSTEIN, M., MOYER, T., EYERS, D., SELTZER, M., AND BACON, J. Practical whole-system provenance capture. In *Symposium on Cloud Computing (SoCC'17)* (2017), ACM. 23.6%(48/203) **over 100 citations**

[C18] **Pasquier**, T., EYERS, D., AND BACON, J. PHP2Uni: Building Unikernels using Scripting Language Transpilation. In *International Conference on Cloud Engineering (IC2E'17)* (2017), IEEE. 20.7%(12/51)

[C19] SINGH, J., **Pasquier**, T., BACON, J., DIACONU, R., POWLES, J., AND EYERS, D. Big Ideas paper: Policy-driven middleware for a legally-compliant Internet of Things. In *ACM/IFIP/Usenix Middleware* (2016), ACM. 19.6%(21/107) **Cambridge's Hall Of Fame Publication of the Year**

[C20] **Pasquier**, T., BACON, J., SINGH, J., AND EYERS, D. Data-centric access control for cloud

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computing. In *Symposium on Access Control Models and Technologies (SACMAT'16)* (2016), ACM. 32.7%(18/55)

[C21] **Pasquier**, T., Singh, J., , Bacon, J., and Eyers, D. Information Flow Audit for PaaS clouds. In *International Conference on Cloud Computing Engineering (IC2E)* (2016), IEEE. 23%(17/73)

[C22] **Pasquier**, T., Singh, J., and Bacon, J. Clouds of Things need Information Flow Control with Hardware Roots of Trust. In *International Conference on Cloud Computing Technology and Science (CloudCom'15)* (2015), IEEE

[C23] Singh, J., **Pasquier**, T., and Bacon, J. Securing Tags to Control Information Flows within the Internet of Things. In *International Conference on Recent Advances in Internet of Things (RIoT'15)* (2015), IEEE

[C24] Singh, J., **Pasquier**, T., Bacon, J., and Eyers, D. Integrating Middleware with Information Flow Control. In *International Conference on Cloud Computing Engineering (IC2E)* (2015), IEEE. 27%(17/63)

[C25] **Pasquier**, T., Bacon, J., and Eyers, D. FlowK: Information Flow Control for the Cloud. In *International Conference on Cloud Computing Technology and Science (CloudCom'14)* (2014), IEEE. 17.8%(54/303)

[C26] **Pasquier**, T., Bacon, J., and Shand, B. FlowR: Aspect Oriented Programming for Information Flow Control in Ruby. In *International Conference on Aspect-Oriented Software Development (Modularity'14)* (2014), ACM. 35%(21/60)


*(b)      Refereed Journal Articles*

[J1] Trisovic, A., Lau, M. K., **Pasquier**, T., and Crosas, M. A large-scale study on research code quality and execution. *Nature Scientific Data* (2022). over 100 citations

[J2] Lerner, B., Boose, E., Brand, O., Ellison, A. M., Fong, E., Lau, M. K., Ngo, K., **Pasquier**, T., Perez, L., Seltzer, M., et al. Making provenance work for you. *R Journal 14*, 4 (2022)

[J3] Lau, M. K., **Pasquier**, T., and Seltzer, M. Rclean: A Tool for Writing Cleaner, More Transparent Code. In *The Journal of Open Source Software (JOSS)* (2020)

[J4] **Pasquier**, T., Singh, J., Powles, J., Eyers, D., Seltzer, M., and Bacon, J. Data provenance to audit compliance with privacy policy in the Internet of Things. *Springer Personal and Ubiquitous Computing* (2018). over 100 citations

[J5] **Pasquier**, T., Lau, M., Trisovic, A., Boose, E., Couturier, B., Ellison, A., Gibson, V., Jones, C., and Seltzer, M. If these data could talk. *Nature Scientific Data* (2017). over 50 citations

[J6] Singh, J., **Pasquier**, T., Bacon, J., Ko, H., and Eyers, D. Twenty Cloud Security Considerations for Supporting the Internet of Things. *IEEE Internet of Things Journal* (2016). over 100 citations

[J7] Bacon, J., Eyers, D., **Pasquier**, T., Singh, J., Papagiannis, I., and Pietzuch, P. Information Flow Control for Secure Cloud Computing. *IEEE Transactions on Network and System Management, SI Cloud Service Management 11*, 1 (2014), 76–89. over 100 citations

[J8] **Pasquier**, T., Singh, J., Eyers, D., and Bacon, J. CamFlow: Managed Data-Sharing for Cloud Services. *IEEE Transactions on Cloud Computing* (2015). over 100 citations

*(c)     Refereed Workshop Publications*

[W1] **Lim**, S. Y., **Prassad**, T., HAN, X., AND **Pasquier**, T. SafeBPF: Hardware-assisted Defense-in-depth for eBPF Kernel Extensions. In *Cloud Computing Security Workshop (CCSW'24))* (2024), ACM

[W2] **Lim**, S. Y., HAN, X., AND **Pasquier**, T. Unleashing Unprivileged eBPF Potential with Dynamic Sandboxing. In *SIGCOMM Workshop on eBPF and Kernel Extensions* (2023), ACM

[W3] HAN, X., MICKENS, J., GEHANI, A., SELTZER, M., AND **Pasquier**, T. Xanthus: Push-button Orchestration of Host Provenance Data Collection. In *International Workshop on Practical Reproducible Evaluation of Computer Systems (P-RECS'20)* (2020), ACM

[W4] **Pasquier**, T., EYERS, D., AND SELTZER, M. From Here to Provtopia. In *VLDB Workshop on Towards Polystores that manage multiple Databases, Privacy, Security and/or Policy Issues for Heterogenous Data (Poly'19)* (2019), Springer

[W5] HAN, X., **Pasquier**, T., AND SELTZER, M. Provenance-based intrusion detection: Opportunities and challenges. In *Workshop on the Theory and Practice of Provenance (TaPP'18)* (2018), USENIX. **over 50 citations**

[W6] HAN, X., **Pasquier**, T., RANJAN, T., GOLDSTEIN, M., AND SELTZER, M. FRAPpuccino: Fault-detection through Runtime Analysis of Provenance. In *Workshop on Hot Topics in Cloud Computing (HotCloud'17)* (2017), USENIX. **over 50 citations**

[W7] **Pasquier**, T., AND EYERS, D. Information flow audit for transparency and compliance in the handling of personal data. In *IC2E International Workshop on Legal and Technical Issues in Cloud Computing (CLaw'16)* (2016), IEEE

[W8] **Pasquier**, T., SINGH, J., AND BACON, J. Information Flow Control for Strong Protection with Flexible Sharing in PaaS. In *IC2E, International Workshop on Future of PaaS* (2015), IEEE

[W9] **Pasquier**, T., AND POWLES, J. Expressing and Enforcing Location Requirements in the Cloud using Information Flow Control. In *IC2E International Workshop on Legal and Technical Issues in Cloud Computing (CLaw'15)* (2015), IEEE


*(d)     Magazine Articles*

[M1] **Pasquier**, T., EYERS, D., AND BACON, J. Viewpoint — Personal Data and the Internet of Things: It is time to care about digital provenance. *Communications of the ACM* (2019)

[M2] **Pasquier**, T., LAU, M., HAN, X., FONG, E., LERNER, B., BOOSE, E., CROSAS, M., ELLISON, A., AND SELTZER, M. Sharing and Preserving Computational Analyses for Posterity with encapsulator. *IEEE Computing in Science and Engineering (CiSE)* (2018)

[M3] SINGH, J., POWLES, J., **Pasquier**, T., AND BACON, J. Data Flow Management and Compliance in Cloud Computing. *IEEE Cloud Computing Magazine* (2015). **over 50 citations**