THE UNIVERSITY OF BRITISH COLUMBIA

Curriculum Vitae for Faculty Members

Date: June 12, 2024 Initials: TP

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

2. DEPARTMENT/SCHOOL: Computer Science

3. FACULTY: Science

4. PRESENT RANK: Assistant Professor **SINCE:** 07/2021

5. 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.	ECE	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

6. EMPLOYMENT RECORD

University, Company or Organization	Rank or Title	Dates
University of British Columbia	Assistant Professor	07/21–present
University of Bristol	Honorary Senior Lecturer	07/21–present
University of Bristol	Lecturer (Assistant Professor)	08/18–07/21
University of Cambridge	Visiting Scholar	08/18–08/19
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

7. SUPERVISION

(a) Undergraduate Students Supervised

Student Name	Program	Year		Role
		Start	Finish	
Sophie Ren	BSc Computer Science	2023	2023	USRA Intern
Japraj Sandhu	BSc Computer Science	2023	2024	Directed Study
		2022	2023	Directed Study

(b) MSc Students Supervised

Student Name	Program	Year		Principal Supervisor	CoSupervisor
		Start	Finish		
Tanya Prasad	MSc	2023		Thomas Pasquier	
Jonas Tai	MSc	2023		Thomas Pasquier	Mathias Lécuyer
Xuechun Cao	MSc	2022		Thomas Pasquier	
Haley Li	MSc	2023		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

(c) PhD Students Supervised

Student Name	Program	Year		Principal Supervisor	CoSupervisor
		Start	Finish		
Soo Yee Lim	PhD	2021		Thomas Pasquier	

8. SCHOLARLY AND PROFESSIONAL ACTIVITIES

(a) Areas of special interest and accomplishments

I have broad research interests that usually touch on systems and security. My current projects span OS security, intrusion detection, self-optimizing systems, and scientific computation reproducibility. My research tends to be empirical and relies on the design and evaluation of software artifacts.

(b) Invited Presentations

- *"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.

(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.

9. SERVICE TO THE UNIVERSITY

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

Departmental Committees:

- Open-search Hiring Committee, 2023–2024.
- Head Search Committee, 2023.
- Teach 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.

10. 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) Steering Committees

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

(c) Program Committees

- ACM 30th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS), 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 (CCGRID), 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.

(d) Review Committees

- ACM 25th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS), 2021.
- ACM 27th Conference on Computer and Communications Security (CCS), 2020. (external)

(e) Reviewer (journal, agency, etc., including dates)

Funding agencies

- Luxembourg National Research Fund, external reviewer, 2018–2020, 2023.
- NSERC, external reviewer, 2022.
- UKRI, external reviewer, 2022.
- UK Royal Society, external reviewer, 2020.
- Cyprus Research Promotion Foundation, external reviewer, 2019, 2020.

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

(f) Consultant (indicate organization and dates)

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

11. AWARDS AND DISTINCTIONS

(a) Awards for Scholarship (indicate name of award, awarding organizations and date)

- Killam Connection, University of British Columbia 2023–2024 ($25,000).
- 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.

THE UNIVERSITY OF BRITISH COLUMBIA
Publication Record

Date: June 12, 2024 Initials: TP
SURNAME: Pasquier **FIRST NAME:** Thomas

1. REFEREED PUBLICATIONS

Citations. Based on Google Scholar data, as of June 12, 2024, my work has been cited 2195 times and my h-index is 22 (22 of my papers have 22 or more citations).
`https://scholar.google.ca/citations?user=TplQGj4AAAAJ`

Publication Culture. The rigour of the peer-reviewing process, the acceptance rates, and the overall quality of published papers make top-tier Computer Science conferences comparable to high-quality journals in other disciplines. Publications in top venues are **highlighted**.
Author ordering. In my subfield author names on publications are generally ordered with the primary student contributor being first, followed by other students, then faculty co-authors. When there are multiple faculty co-authors, the last faculty is generally the supervisor of the first author. Below, **supervised students** co-authors are clearly highlighted. The notations **over 100 citations** and **over 50 citations** are based on Google Scholar as of June 12, 2024.

(a) Refereed Conference Publications

[C1] **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)

[C2] 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).

[C3] **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

[C4] **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)

[C5] Raimondo, F., Erol, U., Gunner, S., Pope, J., Zakrzewski, R., Faulks, M., McConville, R., **Pasquier**, T., Piechocki, R., and Oikonomou, G. Iot key exchange performance analysis. In *International Conference on Embedded Wireless Systems and Netwroks* (2022), ACM, pp. 238–243. 30.4%(14/46)

[C6] 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)

[C7] **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)

[C8] 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**

[C9] 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)

[C10] 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)

[C11] **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.

[C12] 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

[C13] 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)

[C14] 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)

[C15] **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**

[C16] **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**

[C17] **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)

[C18] 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)

[C19] **Pasquier**, T., Bacon, J., Singh, J., and Eyers, D. Data-centric access control for cloud computing. In *Symposium on Access Control Models and Technologies (SACMAT'16)* (2016), ACM. 32.7%(18/55)

[C20] **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)

[C21] **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

[C22] 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

[C23] 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)

[C24] **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)

[C25] **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 50 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 50 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 Short Publications

[S1] 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

[S2] **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

[S3] 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

(d) Refereed Workshop Publications

[W1] **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

[W2] 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

[W3] **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

[W4] 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**

[W5] 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**

[W6] **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

[W7] **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

[W8] **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

(e) 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**

2. NON-REFEREED PUBLICATIONS

[N1] Fekry, A., Carata, L., **Pasquier**, T., Rice, A., and Hopper, A. Tuneful: An online significance-aware configuration tuner for big data analytics. *arXiv preprint arXiv:2001.08002* (2020)

[N2] **Pasquier**, T. Towards practical information flow control and audit. Tech. Rep. UCAM-CL-TR-893, University of Cambridge, Computer Laboratory, July 2016

[N3] Singh, J., Bacon, J., Crowcroft, J., Madhavapeddy, A., **Pasquier**, T., Hon, W. K., and Millard, C. Regional Clouds: Technical Considerations. Tech. Rep. UCAM-CL-TR-863, University of Cambridge, Computer Laboratory, 2014

[N4] Smadja, P., and **Pasquier**, T. eID - STS, Reading eID Smartcard Attributes to Generate Proven Identity. Tech. rep., Gemalto, FC2 Consortium, 2010

[N5] Smadja, P., and **Pasquier**, T. GTK Selector, Enables Generic Smartcard Authentication. Tech. rep., Gemalto, FC2 Consortium, 2010