List of Publications

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Books and edited proceedings

1. Lorenzo Pupillo, Swann Ashworth, Afonso Ferreira, Carolina Polito. Strengthening the EU transition to a quantum-safe world: Technology, market, governance and policy challenges. Centre for European Policy Studies (CEPS), 125 p., December 2025. ISBN 978-94-6138-799-8. Lien : https://cdn.ceps.eu/2025/12/2025-12-Quantum-TF-report-formatted.pdf
2. Lorenzo Pupillo, Afonso Ferreira, Valtteri Lipiainen, Carolina Polito. Quantum Technologies and Cybersecurity: Technology, Governance and Policy Challenges, Centre for European Policy Studies (CEPS), ISBN 978-94-6138-793-6 ,107 pages. 2023 (https://cdn.ceps.eu/wp-content/uploads/2023/12/CEPS-TFR-Quantum-Technologies-and-Cybersecurity.pdf)
3. Lorenzo Pupillo, Stefano Fantin, Afonso Ferreira, Carolina Polito. Artificial Intelligence and Cybersecurity: Technology, Governance and Policy Challenges, Centre for European Policy Studies (CEPS), 122 p., April 2022, ISBN 978-94-6138-785-1. (https://www.ceps.eu/download/publication/?id=33262&pdf=CEPS-TFR-Artificial-Intelligence-and-Cybersecurity.pdf)
4. Lorenzo Pupillo, Afonso Ferreira, Gianluca Varisco. Software Vulnerability Disclosure in Europe: Technology, Policies and Legal Challenges. Brussels: CEPS, ISBN 978−94−6138−687−8, 112 pages. 2018. (https://www.ceps.eu/download/publication/?id=10636&pdf=CEPS%20TFRonSVD%20with%20cover_0.pdf)
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Theses

1. A. Ferreira. Structures de données et modélisation discrète pour l'algorithmique des systèmes massivement parallèles. Habilitation à diriger des recherches, Ecole Normale Supérieure de Lyon et Université Claude Bernard Lyon, France, February 1994.
2. A. Ferreira. Contributions à la Recherche dans des Ensembles Ordonnés : du Séquentiel au Parallèle. PhD thesis, Institut National Polytechnique de Grenoble, France, January 1990.
3. A. Ferreira. O Problema do Dobramento Optimal de PLA's. Master's thesis, Instituto de Matemática e Estatìstica da Universidade de São Paulo, Brazil, 1986.

Journal papers and book chapters

1. Canavese, A. Ferreira, L. Kamm, and A. Quesada Rodríguez. Uncovering Challenges of Cybersecurity Cross-Regulation in EU Legislation. Information and Software Technology – Special Issue on Regulatory Compliance in Software Engineering. Volume 193, 2026, 108033, ISSN 0950-5849. (DOI: https://doi.org/10.1016/j.infsof.2026.108033)
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3. A. Ferreira, A. Goldman, and N. Patel. ComplOps Research: Navigating the Digital Regulation Revolution. IEEE Computer (the flagship publication of the IEEE Computer Society). January 2026, pp. 124-127, vol. 59. (DOI Bookmark: 10.1109/MC.2025.3591937. https://hal.science/hal-04930047v1)
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5. A. Ferreira and J.R. Peres, Metaverses, *Ch. 10* in *The Blue Book – A Future Horizon Roadmap in Cyber Security*, Cybersec4Europe, Dec 2022, https://cybersec4europe.eu/wp-content/uploads/2023/02/The-Blue-Book.pdf

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Conference papers

1. K. Laouchedi, R. Laborde, A. Ferreira, A. Benzekri. Towards Homomorphic Encryption-based Authorization Decisions: A Study of the Expressiveness Capability and Performance. To appear in the Proceedings of the 28th International Symposium on Stabilization, Safety, and Security of Distributed Systems 2026. October 2026, Gothenburg, Sweden
2. R. Batista, A. Ferreira, and A. Goldman. 2026. ComplOps: A Framework for Continuous Compliance Management in Software Development. In *Proceedings of the 3rd Workshop on Multi-disciplinary, Open, and IntegRatEd Requirements Engineering* (MO2RE '26). Association for Computing Machinery, New York, NY, USA, 13–17. https://doi.org/10.1145/3786182.3788310 (Preliminary version: https://hal.science/hal-05160944)
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