

Jukka Ruohonen

Curriculum Vitae

Department of Computing
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Online Records

(Hyperlinks) [ORCID](#), [Google Scholar](#), [dblp](#), [arXiv.org](#), [keybase.io](#) .

Research Interests

2015 – 2022 Security, privacy, software engineering, data mining, Internet governance, EU.

Education

- 2022 Doctor of Science, *Software Engineering*, University of Turku, Finland.
Dissertation accepted with honors
- 2014 Master of Science, *Computer Science*, University of Turku, Finland.
M.Sc. thesis accepted with first class honors (*laudatur*)
- 2014 Bachelor of Science, *Computer Science*, University of Turku, Finland.
- 2008 Abitur of Social Sciences, *Political Science*, University of Helsinki, Finland.

Work Experience

- 2020 – Project researcher, University of Turku & Academy of Finland (IDA).
- 2017 – 2019 Doctoral researcher, University of Turku.
- 2015 – 2016 Project researcher, University of Turku, DIMECC Oy & Tekes (CyberTrust).
- 2008 – 2014 Market researcher, entrepreneur, Tutkimuskeskus Origo Ky.
– 2008 Miscellaneous full-time work.

Professional Service

- Program committees • *The 4th Multidisciplinary International Symposium on Disinformation in Open Online Media* (MISDOOM 2022) • *International Conference on eDemocracy & eGovernment (ICEDEG 2018, 2019, 2020)* • *The 5th International Conference on E-Society, E-Education and E-Technology (ICSET 2021)* .

Additional peer reviews • *Computers & Security* (2022) • *Data in Brief* (2022) • *Applied Soft Computing* (2022) • *Computer Science Review* (2021) • *Journal of Network and Computer Applications* (2021) • *IEEE Transactions on Engineering Management* (2019) • *New Media & Society* (2019, 2020, 2022) • *Electronic Markets* (2019, 2022) • *Computer Standards & Interfaces* (2019) • *Journal of the Association for Information Science and Technology* (2018) • *Reliability Engineering and System Safety* (2018) • *International Journal of Modelling and Simulation* (2017) • *Journal of the Association for Information Systems* (2017) • *22nd Nordic Conference on Secure IT Systems* (NordSec 2017).

Administrative Service

2016 – 2019 Student board member of the Turku Centre for Computer Science (TUCS).

Teaching

2019 – 2022 Privacy and Security for Software Systems (DTEK8102) *University of Turku*

Student Supervision

Ph.D. Kalle Hjerppe (pending) *University of Turku*

M.Sc. Kalle Hjerppe, Joonas Salovaara, Markku Ylitalo *University of Turku*

B.Sc. Jaakko Oksanen *University of Turku*

Grants

2018 Nokia Foundation 5,000 EUR

Awards

2018 Best paper award at the 7th Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2018).

Miscellaneous

Natural Languages

Mother tongue FINNISH *Fluent spoken and written*

Fluent ENGLISH *Fluent spoken and written*

Decent SWEDISH *Basic spoken and intermediate written*

Programming Languages

Mother tongue C, PYTHON, JAVA, R, SHELL *Daily*

Fluent C++, SQL, NOSQL, JAVASCRIPT, LUA, *inter alia* *Monthly*

Software

Open source NetBSD developer since 2009 & various contributions to other open source projects

Refereed Journal Articles (18)

- 2022 Hjerppe, K. & Ruohonen, J. & Leppänen, V. "Extracting LPL Privacy Policy Purposes from Annotated Web Service Source Code". *Software and Systems Modeling*. DOI: [10.1007/s10270-022-00998-y](https://doi.org/10.1007/s10270-022-00998-y).
Ruohonen, J. "A Review of Product Safety Regulations in the European Union". *International Cybersecurity Law Review* 3, pp. 345–366. DOI: [10.1365/s43439-022-00057-8](https://doi.org/10.1365/s43439-022-00057-8).
- 2021 Rindell, K. & Ruohonen, J. & Holvitie, J. & Hyrynsalmi, S. & Leppänen, V. "Security in Agile Software Development: A Practitioner Survey". *Information and Software Technology* 131, p. 106488. DOI: [10.1016/j.infsof.2020.106488](https://doi.org/10.1016/j.infsof.2020.106488).
Ruohonen, J. "The Treachery of Images in the Digital Sovereignty Debate". *Minds and Machines* 31, pp. 439–456. DOI: [10.1007/s11023-021-09566-7](https://doi.org/10.1007/s11023-021-09566-7).
Ruohonen, J. & Hjerppe, K. "The GDPR Enforcement Fines at Glance". *Information Systems* 106, p. 101876. DOI: [10.1016/j.is.2021.101876](https://doi.org/10.1016/j.is.2021.101876).
- 2020 Ruohonen, J. "An Acid Test for Europeanization: Public Cyber Security Procurement in the European Union". *European Journal for Security Research* 5 (2), pp. 349–377. DOI: [10.1007/s41125-019-00053-w](https://doi.org/10.1007/s41125-019-00053-w).
Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "A Mixed Methods Probe into the Direct Disclosure of Software Vulnerabilities". *Computers in Human Behavior* 103, pp. 161–173. DOI: [10.1016/j.chb.2019.09.028](https://doi.org/10.1016/j.chb.2019.09.028).
- 2019 Ruohonen, J. "A Look at the Time Delays in CVSS Vulnerability Scoring". *Applied Computing and Informatics* 15 (2), pp. 129–135. DOI: [10.1016/j.aci.2017.12.002](https://doi.org/10.1016/j.aci.2017.12.002).
Ruohonen, J. "An Empirical Survey on the Early Adoption of DNS Certification Authority Authorization". *Journal of Cyber Security Technology* 3 (4), pp. 205–218. DOI: [10.1080/23742917.2019.1632249](https://doi.org/10.1080/23742917.2019.1632249).
Ruohonen, J. & Kimppa, K. K. "Updating the Wassenaar Debate Once Again: Surveillance, Intrusion Software, and Ambiguity". *Journal of Information Technology & Politics* 16 (2), pp. 169–186. DOI: [10.1080/19331681.2019.1616646](https://doi.org/10.1080/19331681.2019.1616646).
- 2018 Ruohonen, J. & Rauti, S. & Hyrynsalmi, S. & Leppänen, V. "A Case Study on Software Vulnerability Coordination". *Information and Software Technology* 103, pp. 239–257. DOI: [10.1016/j.infsof.2018.06.005](https://doi.org/10.1016/j.infsof.2018.06.005).
- 2017 Hamari, L. & Kullberg, T. & Ruohonen, J. & Heinonen, O. J. & Díaz-Rodríguez, N. & Lilius, J. & Pakarinen, A. & Myllynmäki, A. & Leppänen, V. & Salanterä, S. "Physical Activity Among Children: Objective Measurements Using Fitbit One® and ActiGraph". *BMC Research Notes* 10 (1), pp. 161–165. DOI: [10.1186/s13104-017-2476-1](https://doi.org/10.1186/s13104-017-2476-1).
Kaukola, J. & Ruohonen, J. & Tuomisto, A. & Hyrynsalmi, S. & Leppänen, V. "Tightroping Between APT and BCI in Small Enterprises". *Information and Computer Security* 25 (3), pp. 226–239. DOI: [10.1108/ICS-07-2016-0047](https://doi.org/10.1108/ICS-07-2016-0047).
Ruohonen, J. & Hyrynsalmi, S. "Evaluating the Use of Internet Search Volumes for Time Series Modeling of Sales in the Video Game Industry". *Electronic Markets* 27 (4), pp. 351–370. DOI: [10.1007/s12525-016-0244-z](https://doi.org/10.1007/s12525-016-0244-z).
Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "Modeling the Delivery of Security Advisories and CVEs". *Computer Science and Information Systems* 14 (2), pp. 537–555. DOI: [10.2298/csis161010010r](https://doi.org/10.2298/csis161010010r).
- 2016 Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "An Outlook on the Institutional Evolution of the European Union Cyber Security Apparatus". *Government Information Quarterly* 33 (4), pp. 746–756. DOI: [10.1016/j.giq.2016.10.003](https://doi.org/10.1016/j.giq.2016.10.003).
- 2015 Rahikkala, J. & Leppänen, V. & Ruohonen, J. & Holvitie, J. "Top Management Support in Software Cost Estimation". *International Journal of Managing Projects in Business* 8 (3), pp. 513–532. DOI: [10.1108/IJMPB-11-2014-0076](https://doi.org/10.1108/IJMPB-11-2014-0076).

Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "The Sigmoidal Growth of Operating System Security Vulnerabilities: An Empirical Revisit". *Computers & Security* 55, pp. 1–20. DOI: [10.1016/j.cose.2015.07.001](https://doi.org/10.1016/j.cose.2015.07.001).

Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "Time Series Trends in Software Evolution". *Journal of Software: Evolution and Process* 27 (2), pp. 990–1015. DOI: [10.1002/smr.1755](https://doi.org/10.1002/smr.1755).

Refereed Publications in Conference Proceedings (38)

- 2021 Ruohonen, J. "Assessing the Readability of Policy Documents on the Digital Single Market of the European Union". *Proceedings of the Eighth International Conference on eDemocracy & eGovernment (ICEDEG 2021)*. Quito (online): IEEE, pp. 205–209. DOI: [10.1109/ICEDEG52154.2021.9530996](https://doi.org/10.1109/ICEDEG52154.2021.9530996).
- Ruohonen, J. "The Similarities of Software Vulnerabilities for Interpreted Programming Languages". *Proceedings of the 2021 International Conference on Progress in Informatics and Computing (PIC 2021)*. Shanghai (online): IEEE, pp. 304–307. DOI: [10.1109/PIC53636.2021.9687053](https://doi.org/10.1109/PIC53636.2021.9687053).
- Ruohonen, J. & Hjerppe, K. & Rindell, K. "A Large-Scale Security-Oriented Static Analysis of Python Packages in PyPI". *Proceedings of the 18th Annual International Conference on Privacy, Security and Trust (PST 2021)*. Auckland (online): IEEE, pp. 1–10. DOI: [10.1109/PST52912.2021.9647791](https://doi.org/10.1109/PST52912.2021.9647791).
- Ruohonen, J. & Tuikka, A.-M. "Digital Divides and Online Media". *Proceedings of the 5th International Conference on E-Society, E-Education and E-Technology (ICSET 2021)*. Taipei (online): ACM, pp. 157–163. DOI: [10.1145/3485768.3485815](https://doi.org/10.1145/3485768.3485815).
- 2020 Hjerppe, K. & Ruohonen, J. & Leppänen, V. "Extracting Layered Privacy Policy Purposes from Web Services". *Proceedings of the IEEE European Symposium on Security and Privacy Workshops (EuroS&PW 2020)*. Genova (online): IEEE, pp. 318–325. DOI: [10.1109/EuroSPW51379.2020.00050](https://doi.org/10.1109/EuroSPW51379.2020.00050).
- Ruohonen, J. "A Dip Into a Deep Well: Online Political Advertisements, Valence, and European Electoral Campaigning". *Proceedings of the 2nd Multidisciplinary International Symposium on Disinformation in Open Online Media (MISDOOM 2020), Lecture Notes in Computer Science (Volume 12259)*. Ed. by M. van Duijn & M. Preuss & V. Spaiser & F. Takes & S. Verberne. Leiden (online): Springer, pp. 37–51. DOI: https://doi.org/10.1007/978-3-030-61841-4_3.
- Ruohonen, J. "Measuring Basic Load-Balancing and Fail-Over Setups for Email Delivery via DNS MX Records". *Proceedings of the IFIP Networking Conference (Networking 2020)*. URL: <https://ieeexplore.ieee.org/document/9142814>. Paris (online): IEEE, pp. 815–820.
- Ruohonen, J. & Hjerppe, K. "Predicting the Amount of GDPR Fines". *Proceedings of the First International Workshop "CAiSE for Legal Documents" (COUrT 2020)*. Grenoble (online): CEUR-WS, pp. 3–14. URL: <http://ceur-ws.org/Vol-2690/COUrT-paper1.pdf>.
- 2019 Hjerppe, K. & Ruohonen, J. & Leppänen, V. "Annotation-Based Static Analysis for Personal Data Protection". *Privacy and Identity Management. Data for Better Living: AI and Privacy. Proceedings of the 14th IFIP WG 9.2, 9.6/11.7, 11.6/SIG 9.2.2 International Summer School*. Ed. by M. Friedewald & M. Önen & E. Lievens & S. Krenn & S. Fricker. Windisch: Springer, pp. 343–358. DOI: [10.1007/978-3-030-42504-3_22](https://doi.org/10.1007/978-3-030-42504-3_22).
- Hjerppe, K. & Ruohonen, J. & Leppänen, V. "The General Data Protection Regulation: Requirements, Architectures, and Constraints". *Proceedings of the 27th IEEE International Requirements Engineering Conference (RE 2019)*. Jeju Island: IEEE, pp. 265–275. DOI: [10.1109/RE.2019.00036](https://doi.org/10.1109/RE.2019.00036).
- Ruohonen, J. "A Demand-Side Viewpoint to Software Vulnerabilities in WordPress Plugins". *Proceedings of the 23rd Conference on the Evaluation and Assessment in Software Engineering (EASE 2019)*. Copenhagen: ACM, pp. 222–228. DOI: [10.1145/3319008.3319029](https://doi.org/10.1145/3319008.3319029).
- Ruohonen, J. & Rindell, K. "Empirical Notes on the Interaction Between Continuous Kernel Fuzzing and Development". *Proceedings of the IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW 2019)*. Berlin: IEEE, pp. 276–281. DOI: [10.1109/ISSREW.2019.00084](https://doi.org/10.1109/ISSREW.2019.00084).
- 2018 Hyrynsalmi, S. & Ruohonen, J. & Seppänen, M. "Healthy Until Otherwise Proven: Some Proposals for Renewing Research of Software Ecosystem Health". *Proceedings of the 1st International Workshop on Software Health (SoHeal 2018)*. Gothenburg: ACM, pp. 18–24. DOI: [10.1145/3194124.3194128](https://doi.org/10.1145/3194124.3194128).
- Rindell, K. & Ruohonen, J. & Hyrynsalmi, S. "Surveying Secure Software Development Practices in Finland". *Proceedings of the 4th International Workshop on Secure Software Engineering (SSE 2018)*. Hamburg: ACM, 6:1–6:7. DOI: [10.1145/3230833.3233274](https://doi.org/10.1145/3230833.3233274).

- Ruohonen, J. "An Empirical Analysis of Vulnerabilities in Python Packages for Web Applications". *Proceedings of the 9th International Workshop on Empirical Software Engineering in Practice (IWESEP 2018)*. Nara: IEEE, pp. 25–30. DOI: [10.1109/IWESEP.2018.00013](https://doi.org/10.1109/IWESEP.2018.00013).
- Ruohonen, J. & Allodi, L. "A Bug Bounty Perspective on the Disclosure of Web Vulnerabilities". *Proceedings of the 17th Annual Workshop on the Economics of Information Security (WEIS 2018)*. URL: https://weis2018.econinfosec.org/wp-content/uploads/sites/5/2018/05/WEIS_2018_paper_33.pdf. Innsbruck, pp. 1–14.
- Ruohonen, J. & Leppänen, V. "A Case-Control Study on the Server-Side Bandages Against XSS". *Proceedings of the 7th Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications (SQAMIA 2018)*. URL: <http://ceur-ws.org/Vol-2217/paper-ruo.pdf>. Novi Sad: CEUR-WS, pp. 1–8.
- Ruohonen, J. & Leppänen, V. "Invisible Pixels Are Dead, Long Live Invisible Pixels!" *Proceedings of the 17th Workshop on Privacy in the Electronic Society (WPES 2018)*. Toronto: ACM, pp. 28–32. DOI: [10.1145/3267323.3268950](https://doi.org/10.1145/3267323.3268950).
- Ruohonen, J. & Leppänen, V. "Toward Validation of Textual Information Retrieval Techniques for Software Weaknesses". *Proceedings of the 29th International Conference on Database and Expert Systems Applications (DEXA 2018), Communications in Computer and Information Science (Volume 903)*. Ed. by M. Elloumi & M. Granitzer & A. Hameurlain & C. Seifert & B. Stein & A. M. Tjoa & R. Wagner. Regensburg: Springer, pp. 265–277. DOI: [10.1007/978-3-319-99133-7_22](https://doi.org/10.1007/978-3-319-99133-7_22).
- Ruohonen, J. & Salovaara, J. & Leppänen, V. "Crossing Cross-Domain Paths in the Current Web". *Proceedings of the 16th Annual Conference on Privacy, Security and Trust (PST 2018)*. Belfast: IEEE, pp. 1–5. DOI: [10.1109/PST.2018.8514163](https://doi.org/10.1109/PST.2018.8514163).
- Ruohonen, J. & Salovaara, J. & Leppänen, V. "On the Integrity of Cross-Origin JavaScripts". *Proceedings of the 33rd International Conference on Information Security and Privacy Protection (IFIP SEC 2018)*. Poznań: Springer, pp. 385–398. DOI: [10.1007/978-3-319-99828-2_27](https://doi.org/10.1007/978-3-319-99828-2_27).
- 2017 Hyrynsalmi, S. & Suominen, A. & Ruohonen, J. & Seppänen, M. & Järvi, A. "Knitting Company Performance and Board Interlocks: An Exploration with the Finnish Software Industry". *Proceedings of the 8th International Conference on Software Business (ICSOB 2017)*. Essen: Springer. DOI: [10.1007/978-3-319-69191-6_5](https://doi.org/10.1007/978-3-319-69191-6_5).
- Ruohonen, J. "Classifying Web Exploits with Topic Modeling". *Proceedings of the 28th International Workshop on Database and Expert Systems Applications (DEXA 2017)*. Lyon: IEEE, pp. 93–97. DOI: [10.1109/DEXA.2017.35](https://doi.org/10.1109/DEXA.2017.35).
- Ruohonen, J. & Leppänen, V. "How PHP Releases Are Adopted in the Wild?" *Proceedings of the 24th Asia-Pacific Software Engineering Conference (APSEC 2017)*. Nanjing: IEEE, pp. 71–80. DOI: [10.1109/APSEC.2017.13](https://doi.org/10.1109/APSEC.2017.13).
- Ruohonen, J. & Leppänen, V. "Investigating the Agility Bias in DNS Graph Mining". *Proceedings of the 17th IEEE International Conference on Computer and Information Technology (CIT 2017)*. Helsinki: IEEE, pp. 253–260. DOI: [10.1109/CIT.2017.55](https://doi.org/10.1109/CIT.2017.55).
- Ruohonen, J. & Leppänen, V. "Whose Hands Are in the Finnish Cookie Jar?" *Proceedings of the European Intelligence and Security Informatics Conference (EISIC 2017)*. Athens: IEEE, pp. 127–130. DOI: [10.1109/EISIC.2017.25](https://doi.org/10.1109/EISIC.2017.25).
- Ruohonen, J. & Rauti, S. & Hyrynsalmi, S. & Leppänen, V. "Mining Social Networks of Open Source CVE Coordination". *Proceedings of the 27th International Workshop on Software Measurement and 12th International Conference on Software Process and Product Measurement (IWSM Mensura 2017)*. Gothenburg: ACM, pp. 176–188. DOI: [10.1145/3143434.3143458](https://doi.org/10.1145/3143434.3143458).
- 2016 Rauti, S. & Laurén, S. & Uitto, J. & Hosseinzadeh, S. & Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "A Survey on Internal Interfaces Used by Exploits and Implications on Interface Diversification". *Secure IT Systems, Proceedings of the 21st Nordic Conference on Secure IT Systems (NordSec 2016), Lecture Notes in Computer Science (Volume 10014)*. Ed. by B. B. Brumley & J. Röning. Oulu: Springer, pp. 152–168. DOI: [10.1007/978-3-319-47560-8_10](https://doi.org/10.1007/978-3-319-47560-8_10).
- Ruohonen, J. & Holvitie, J. & Hyrynsalmi, S. & Leppänen, V. "Exploring the Clustering of Software Vulnerability Disclosure Notifications Across Software Vendors". *Proceedings of the 13th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA 2016)*. Agadir: IEEE, pp. 1–8. DOI: [10.1109/AICCSA.2016.7945696](https://doi.org/10.1109/AICCSA.2016.7945696).

Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "Exploring the Use of Deprecated PHP Releases in the Wild Internet: Still a LAMP Issue?" *Proceedings of the 6th International Conference on Web Intelligence, Mining and Semantics (WIMS 2016)*. Nîmes: ACM, 26:1–26:12. DOI: [10.1145/2912845.2912851](https://doi.org/10.1145/2912845.2912851).

Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "Software Vulnerability Life Cycles and the Age of Software Products: An Empirical Assertion with Operating System Products". *Proceedings of the CAiSE 2016 International Workshops, Lecture Notes in Business Information Processing (Volume 249)*. Ed. by J. Krogstie & H. Mouratidis & J. Su. Ljubljana: Springer, pp. 207–218. DOI: [10.1007/978-3-319-39564-7_20](https://doi.org/10.1007/978-3-319-39564-7_20).

Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "Trading Exploits Online: A Preliminary Case Study". *Proceedings of the IEEE Tenth International Conference on Research Challenges in Information Science (RCIS 2016)*. Grenoble: IEEE, pp. 1–12. DOI: [10.1109/RCIS.2016.7549301](https://doi.org/10.1109/RCIS.2016.7549301).

Ruohonen, J. & Leppänen, V. "On the Design of a Simple Network Resolver for DNS Mining". *Proceedings of the 17th International Conference on Computer Systems and Technologies (CompSysTech 2016)*. Palermo: ACM, pp. 105–112. DOI: [10.1145/2983468.2983513](https://doi.org/10.1145/2983468.2983513).

Ruohonen, J. & Šćepanović, S. & Hyrynsalmi, S. & Mishkovski, I. & Aura, T. & Leppänen, V. "A Post-Mortem Empirical Investigation of the Popularity and Distribution of Malware Files in the Contemporary Web-Facing Internet". *Proceedings of the European Intelligence and Security Informatics Conference (EISIC 2016)*. Uppsala: IEEE, pp. 144–147. DOI: [10.1109/EISIC.2016.037](https://doi.org/10.1109/EISIC.2016.037).

Ruohonen, J. & Šćepanović, S. & Hyrynsalmi, S. & Mishkovski, I. & Aura, T. & Leppänen, V. "Correlating File-Based Malware Graphs Against the Empirical Ground Truth of DNS Graphs". *Proceedings of the 10th European Conference on Software Architecture Workshops (ECSAW 2016)*. Copenhagen: ACM, 30:1–30:6. DOI: [10.1145/2993412.2993414](https://doi.org/10.1145/2993412.2993414).

Ruohonen, J. & Šćepanović, S. & Hyrynsalmi, S. & Mishkovski, I. & Aura, T. & Leppänen, V. "The Black Mark Beside My Name Server: Exploring the Importance of Name Server IP Addresses in Malware DNS Graphs". *Proceedings of the IEEE 4th International Conference on Future Internet of Things and Cloud Workshops (FiCloudW 2016)*. Vienna: IEEE, pp. 264–269. DOI: [10.1109/W-FiCloud.2016.61](https://doi.org/10.1109/W-FiCloud.2016.61).

2015 Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "Exploring the Stability of Software with Time-Series Cross-Sectional Data". *Proceedings of the IEEE/ACM 2nd International Workshop on Software Architecture and Metrics (SAM 2015)*. Florence: IEEE, pp. 41–47. DOI: [10.1109/SAM.2015.13](https://doi.org/10.1109/SAM.2015.13).

Ruohonen, J. & Hyrynsalmi, S. & Leppänen, V. "Software Evolution and Time Series Volatility: An Empirical Exploration". *Proceedings of the 14th International Workshop on Principles of Software Evolution (IWPSE 2015)*. Bergamo: ACM, pp. 56–65. DOI: [10.1145/2804360.2804367](https://doi.org/10.1145/2804360.2804367).

Archived Manuscripts, Working Papers, and Technical Reports (8)

2021 Ruohonen, J. "A Comparative Study of Online Disinformation and Offline Protests". Archived manuscript, available online: <http://arxiv.org/abs/2106.11000>.

Ruohonen, J. "A Critical Correspondence on Humpty Dumpty's Funding for European Journalism". Archived manuscript, available online: [arXiv:2011.00751](https://arxiv.org/abs/2011.00751).

Ruohonen, J. "A Few Observations About State-Centric Online Propaganda". Archived manuscript, available online: [arXiv:2104.04389](https://arxiv.org/abs/2104.04389).

Ruohonen, J. "Reassessing Measures for Press Freedom". Archived manuscript, available online: <http://arxiv.org/abs/2106.10427>.

2020 Ruohonen, J. "Do Cyber Capabilities and Cyber Power Incentivize International Cooperation?" Archived manuscript, available online: [arXiv:2011.07212](https://arxiv.org/abs/2011.07212).

2019 Ruohonen, J. "David and Goliath: Privacy Lobbying in the European Union". Archived manuscript, available online: [arXiv:1906.01883](https://arxiv.org/abs/1906.01883).

2017 Šćepanović, S. & Mishkovski, I. & Ruohonen, J. & Ayala-Gómez, F. & Aura, T. & Hyrynsalmi, S. "Malware Distributions and Graph Structure of the Web". Archived manuscript, available online: [arXiv:1707.06071](https://arxiv.org/abs/1707.06071).