

Kiberdrošība

Resursi RTU Zinātniskajā bibliotēkā



Kiberdrošība, kas pazīstama arī kā informācijas tehnoloģiju vai datordrošība, ietver tādu pasākumu ieviešanu, kas palīdz aizsargāt sistēmas un tīklus pret informācijas izpaušanu, aparatūras, programmatūras vai elektronisko datu zādzībām vai to bojājumiem, kā arī pret to nodrošināto pakalpojumu traucējumiem vai izmaiņām.

<https://publications.europa.eu/>

Cybersecurity is a set of processes, best practices, and technology solutions that help protect your critical systems and network from digital attacks. As data has proliferated and more people work and connect from anywhere, bad actors have responded by developing sophisticated methods for gaining access to your resources and stealing data, sabotaging your business, or extorting money.

<https://www.microsoft.com>

Resursi par kiberdrošību RTU Zinātniskajā bibliotēkā

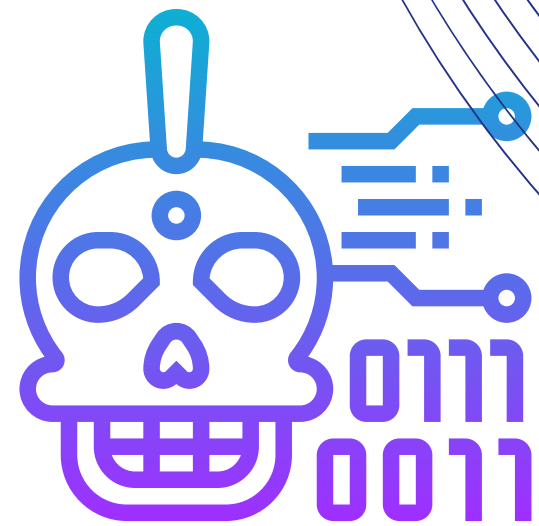
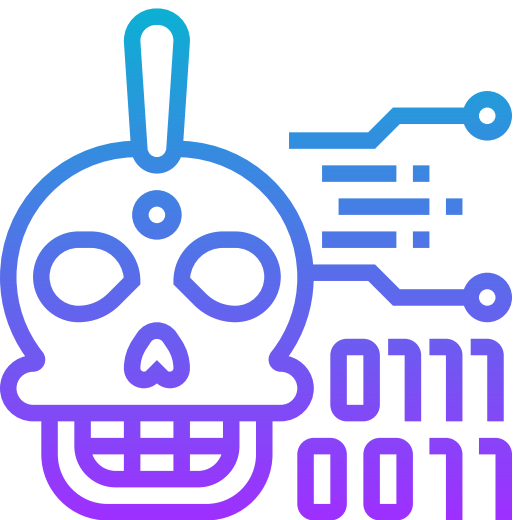
Grāmatas

E-grāmatas abonētajās datubāzēs

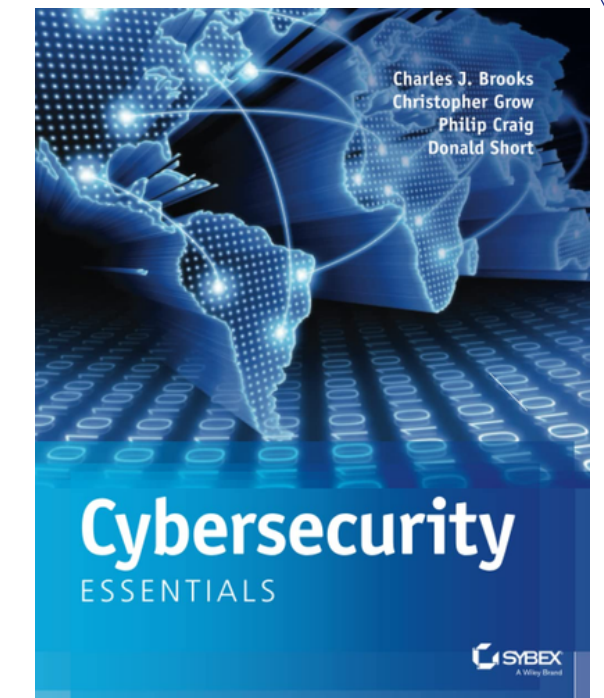
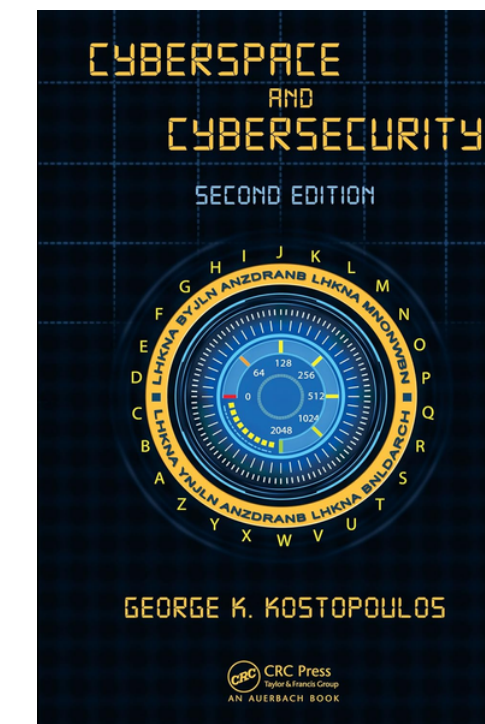
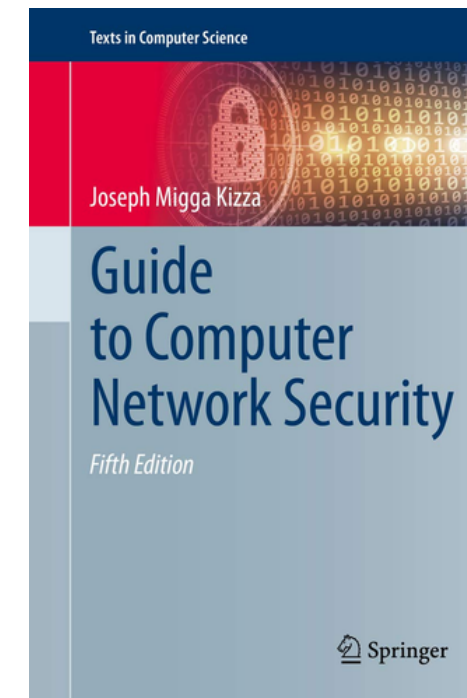
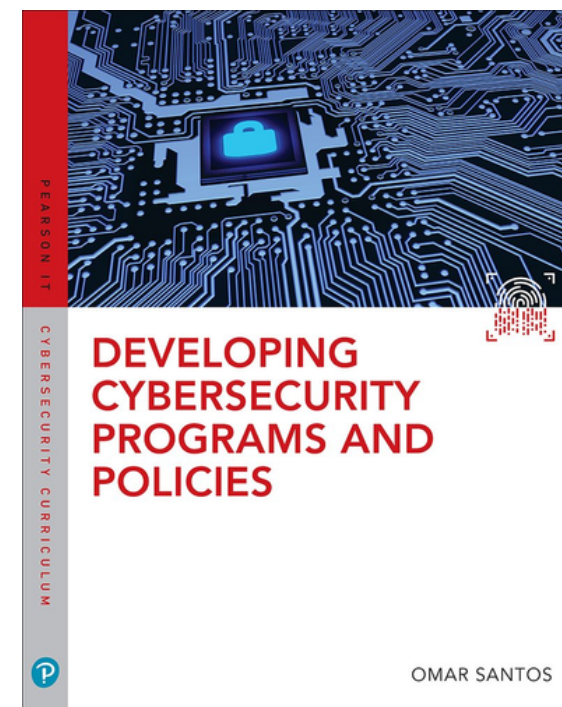
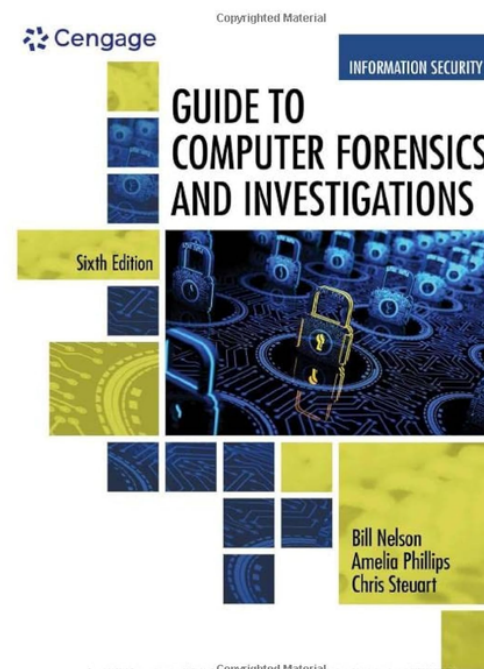
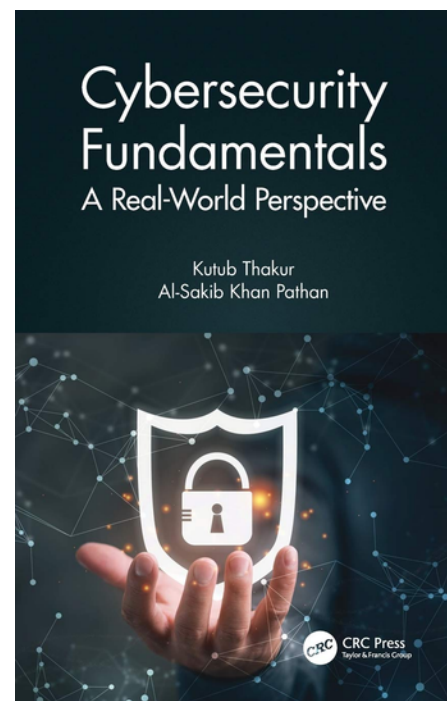
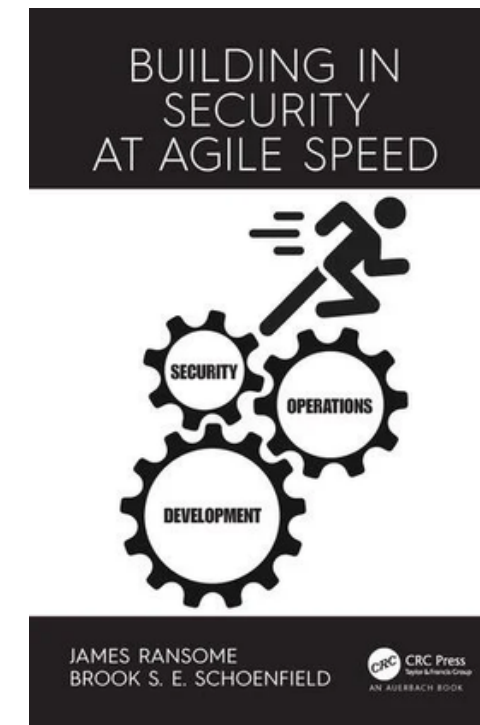
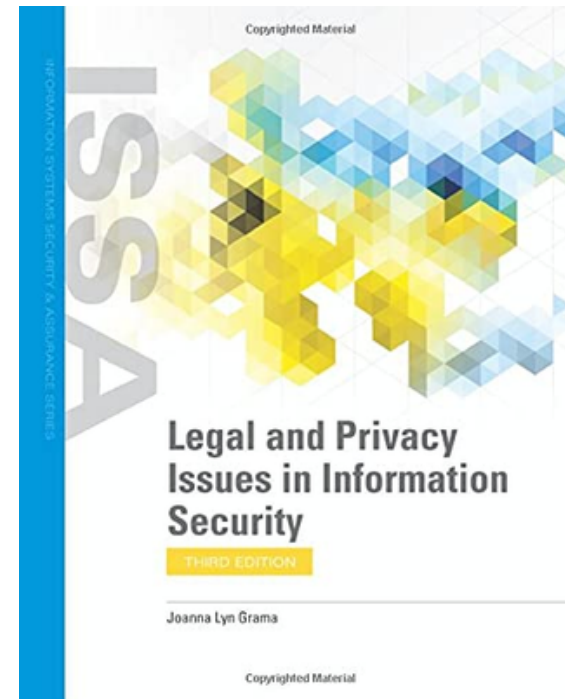
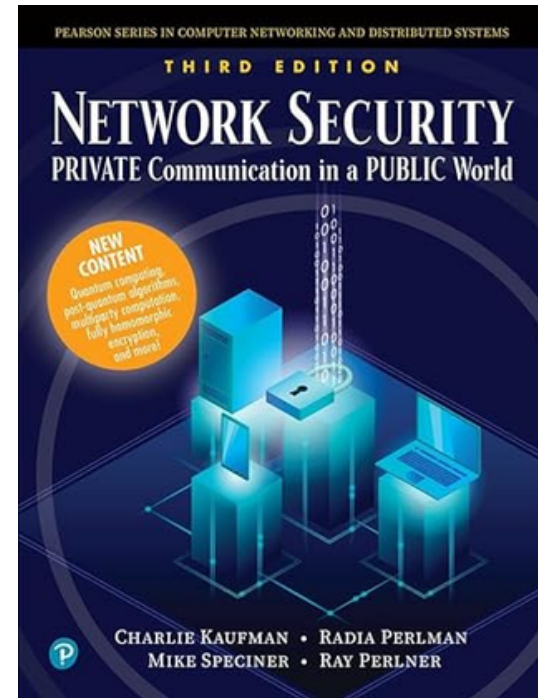
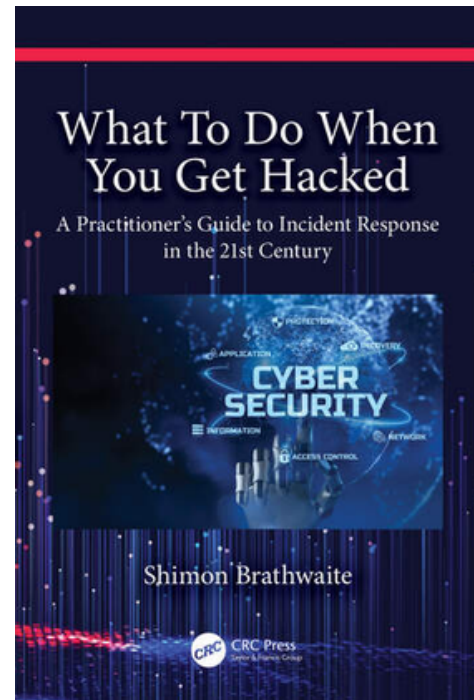
RTU zinātnieku
raksti

Publikācijas abonētajās
datubāzēs

Interneta resursi

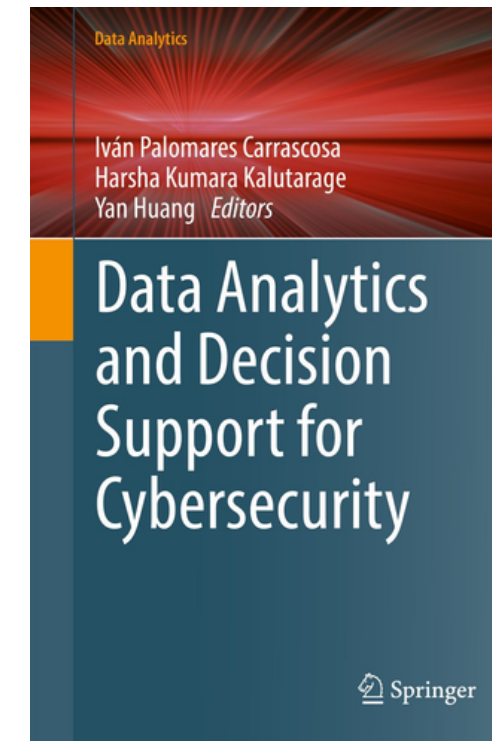
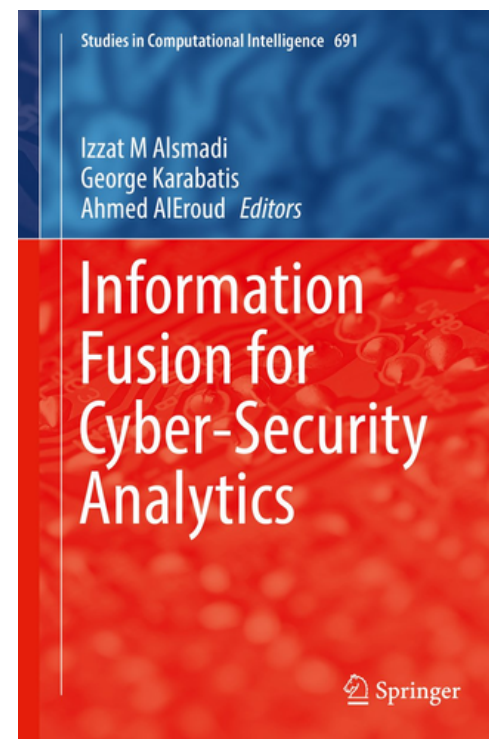
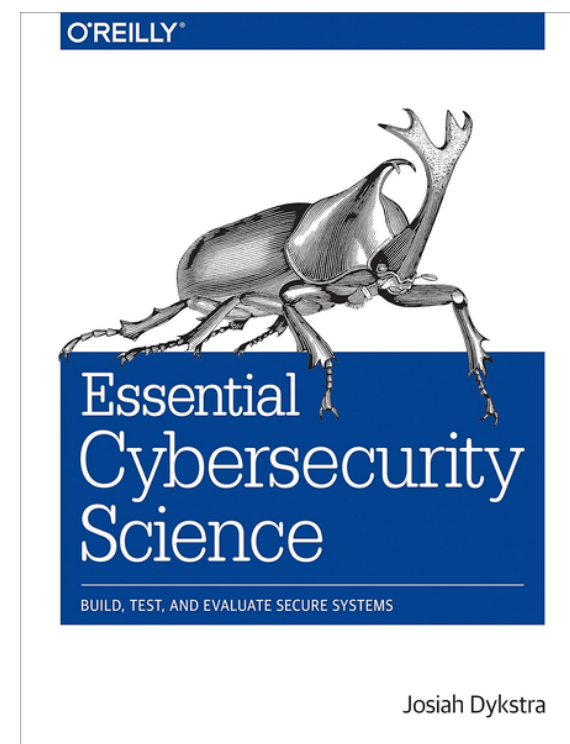
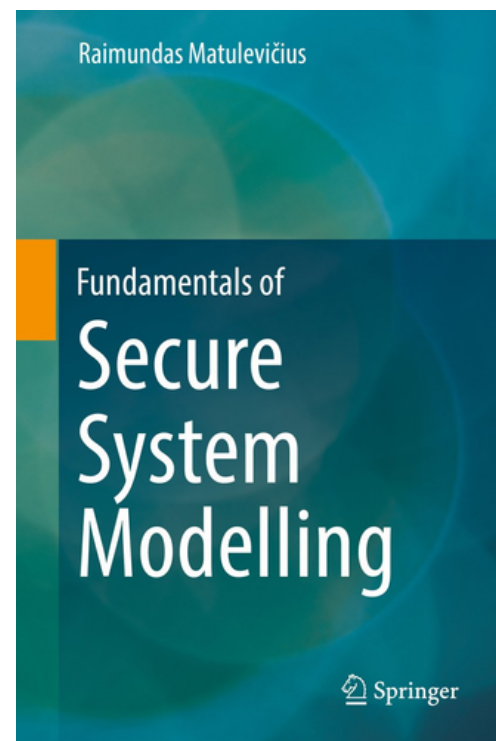
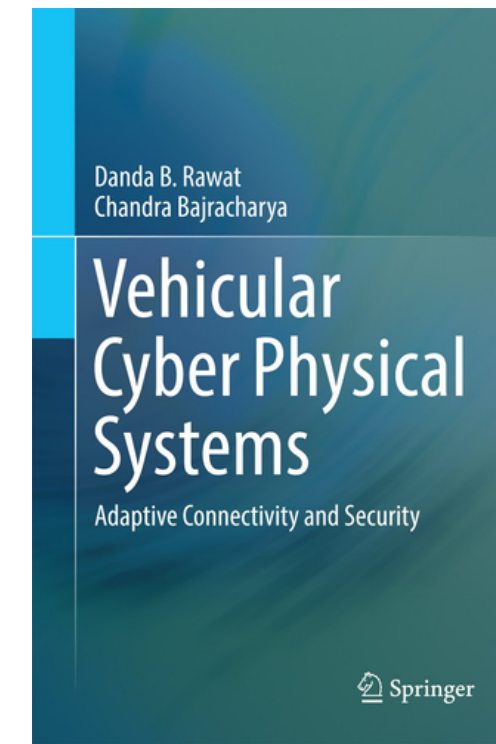
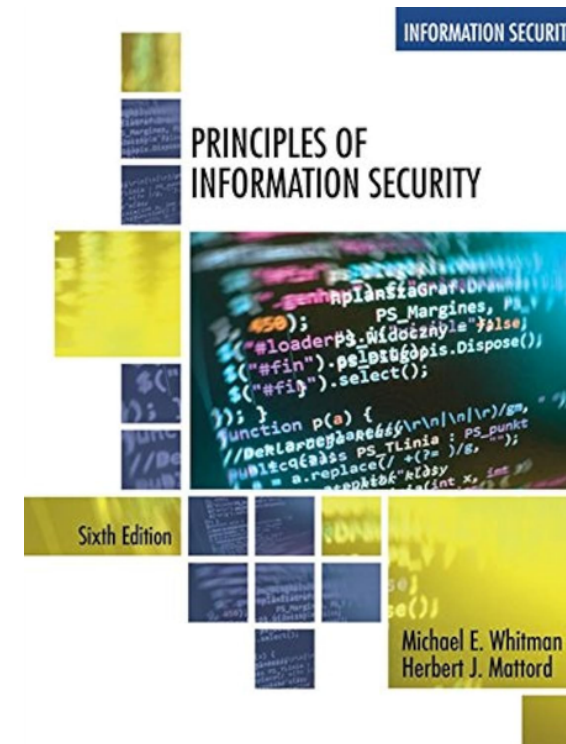
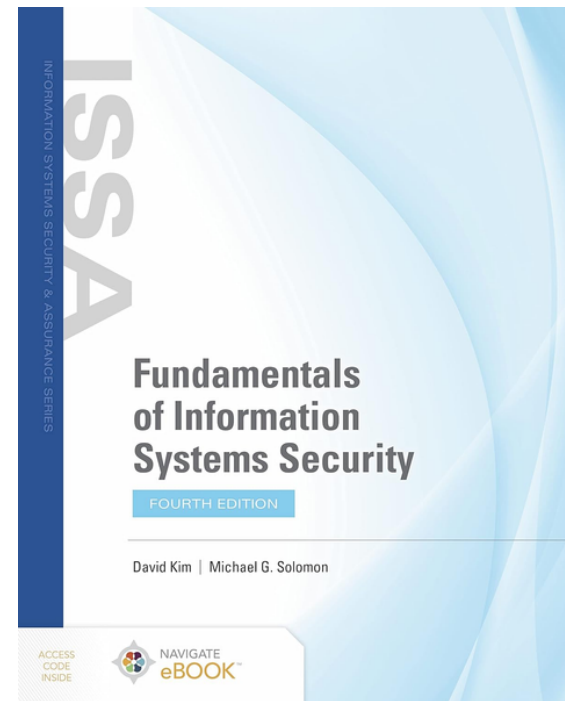
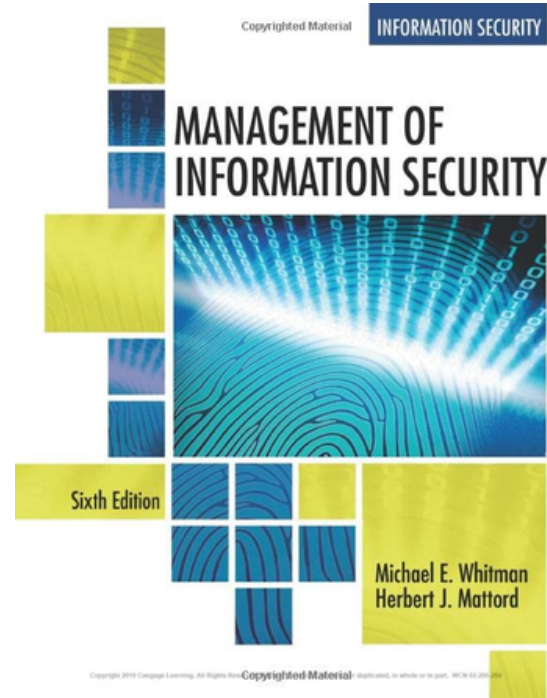


Grāmatas RTU ZB katalogā



Pasūtiet grāmatas RTU ZB katalogā, ielogojieties PRIMO ar ORTUS paroli!

Grāmatas RTU ZB katalogā



Pasūtiet grāmatas RTU ZB katalogā, ielogojieties PRIMO ar ORTUS paroli!

RTU zinātnieku raksti

- **Towards a Massive Open Online Course for Cybersecurity in Smart Grids - A Roadmap Strategy** / B.Eltahawy, M.Valliou, J.Kamsamrong, A.Romanovs, T.Vartiainen, M.Mekkanen // 2022 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe 2022) : Novi Sad, Serbia, 10-12 October 2022. - Piscataway, NJ : IEEE, 2022. - P.54-59.
- **Multi-Dimensional Cybersecurity Education Design:a Case Study** / R.Pirta-Dreimane, A.Brilingaitė, E.Roponena, K.Parish // 2022 IEEE International Conference on Dependable, Autonomic and Secure Computing, International Conference on Pervasive Intelligence and Computing, International Conference on Cloud and Big Data Computing, International Conference on Cyber Science and Technology Congress (DASC/PICom/CBDCom/CyberSciTech 2022) : Falerna, Italy, 12-15 September 2022. - Piscataway, NJ : IEEE, 2022. - P.619-626.
- **Application of Intervention Mapping in Cybersecurity Education Design** / R.Pirta-Dreimane, A.Brilingaitė, G.Majore ... [et al.] // Frontiers in Education. - Vol.74 (2022), Article number 998335.
- **Use Cases and Design of an Intelligent Intrusion Detection System** / E.Roponena, J.Kampars, J.Grabis, G.Mosāns, A.Gailītis // Baltic Journal of Modern Computing. - Vol.10, No.4 (2022), p.689-709.
- **Towards a Human-in-the-Loop Intelligent Intrusion Detection System** / E.Roponena, J.Kampars, J.Grabis, A.Gailītis // Baltic-DB&IS-DC-Forum 2022 [online] : Baltic DB&IS Doctoral Consortium and Forum 2022 : Joint Proceedings of Baltic DB&IS 2022 Doctoral Consortium and Forum co-located with 15th International Baltic Conference on Digital Business and Intelligent Systems (Baltic DB&IS 2022) : Riga, Latvia, July 3-6, 2022. Aachen : RWTH, 2022. - P.71-81.
- **State of the Art in Cybersecurity and Smart Grid Education** / A.Romanovs, J.Bikovska, J.Peksa, J.Strebko ... [et al.] // IEEE EUROCON 2021 : 19th International Conference on Smart Technologies : Lviv, Ukraine, 6-8 July 2021 : Conference Proceedings. - Piscataway, NJ : IEEE, 2021. - P.571-576.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

RTU zinātnieku raksti

- **A Literature Review of Machine Learning Techniques for Cybersecurity in Data Centers** / E.Roponena, J.Kampars, A.Gailitis, J.Strods // 2021 62nd International Scientific Conference on Information Technology and Management Science of Riga Technical University (ITMS 2021) : Riga, Latvia, 14-15 October 2021. - Piscataway, NJ : IEEE, 2021. - P.90-95.
- **Modern Trends and Skill Gaps of Cyber Security in Smart Grid** / B.Siemers, R.Pirta-Dreimane, J.Grabis, N.Kunicina ... [et al.] // IEEE EUROCON 2021 : 19th International Conference on Smart Technologies : Lviv, Ukraine, 6-8 July 2021 : Conference Proceedings. - Piscataway, NJ : IEEE, 2021. - P.565-570.
- Skrodelis, H.K., Romanovs, A. **Cyber-Physical Risk Security Framework Development in Digital Supply Chains** // 2021 62nd International Scientific Conference on Information Technology and Management Science of Riga Technical University (ITMS 2021) : Riga, Latvia, 14-15 October 2021. - Piscataway, NJ : IEEE, 2021. - P.209-213.
- **Cybersecurity Curricula Recommendations Development for Technical Background and Engineering Skills in International Dimension** / N.Kunicina, A.Zabasta, O.Krumins, A.Romanovs, A.Patlins // 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON 2020) : Riga, Latvia, 5-7 November 2020 : Conference Proceedings. - Piscataway, NJ : IEEE, 2020. - P.77-82.
- Mouratidis, H., Zdravkovic, J., Stirna, J. **Cyber Security Resilience in Business Informatics: An Exploratory Paper** // Perspectives in Business Informatics Research : 19th International Conference on Business Informatics Research, BIR 2020 : Vienna, Austria, September 21-23, 2020 : Proceedings. - Cham : Springer Nature Switzerland AG, 2020. - P.53-66.

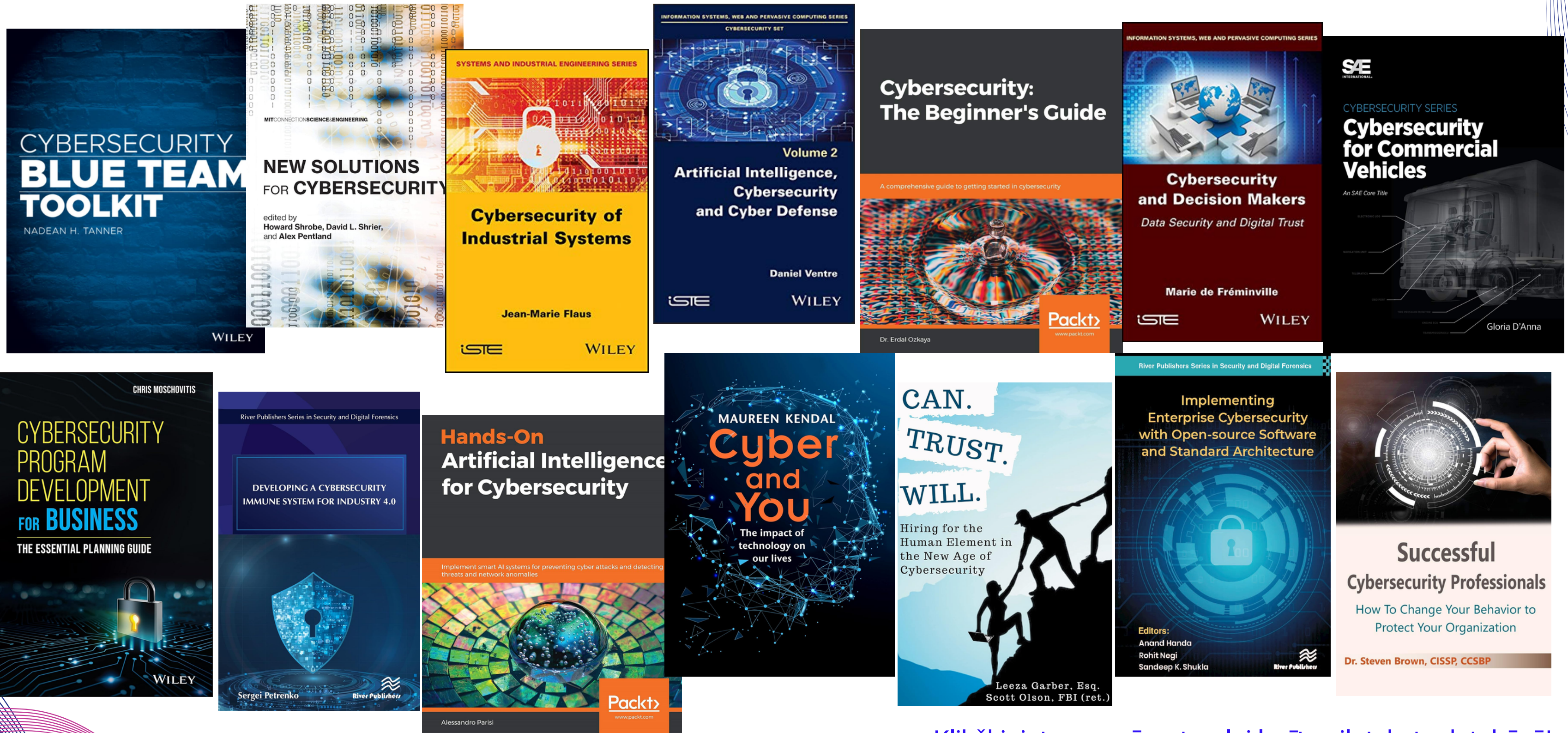
Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

E-grāmatas



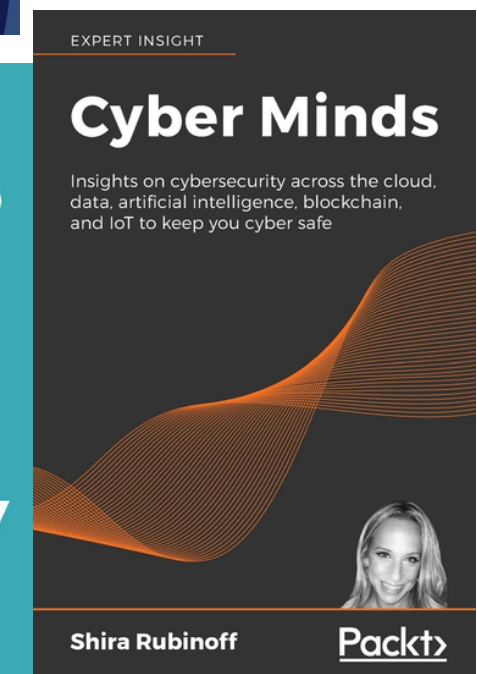
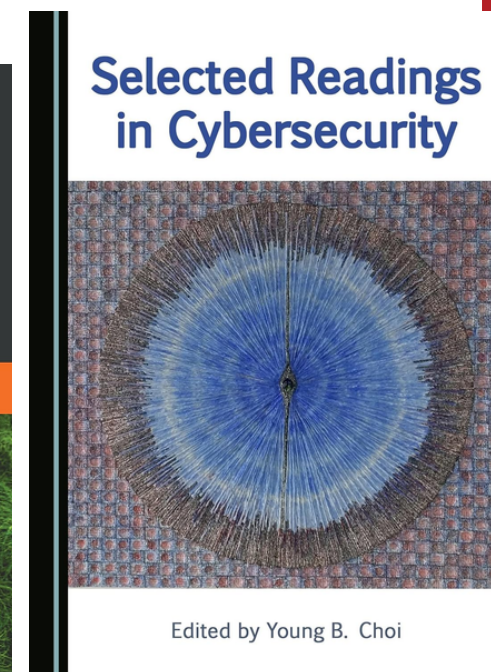
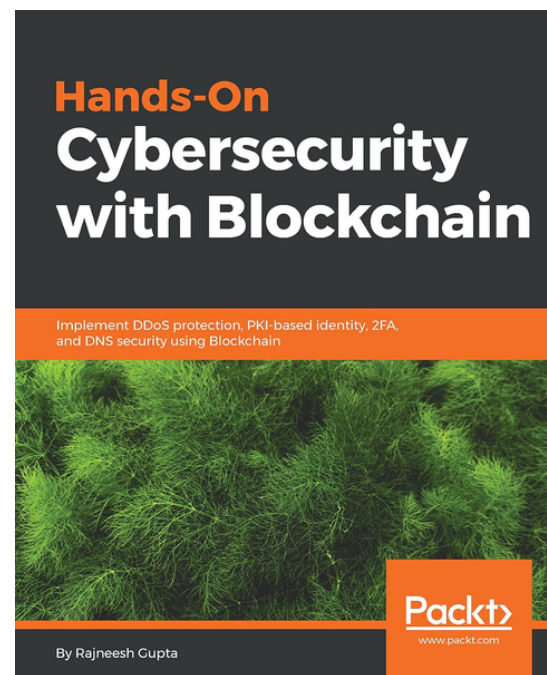
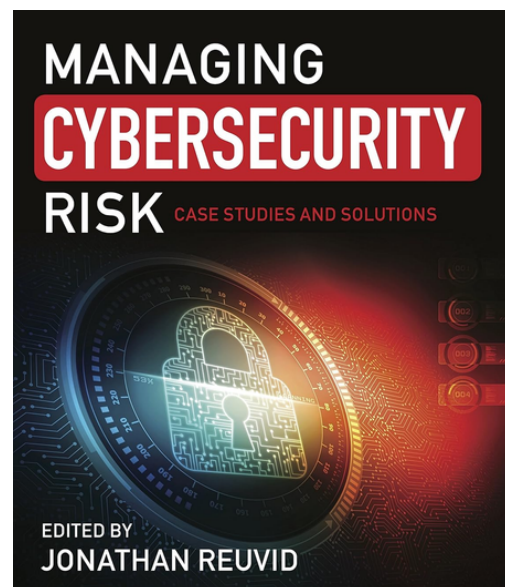
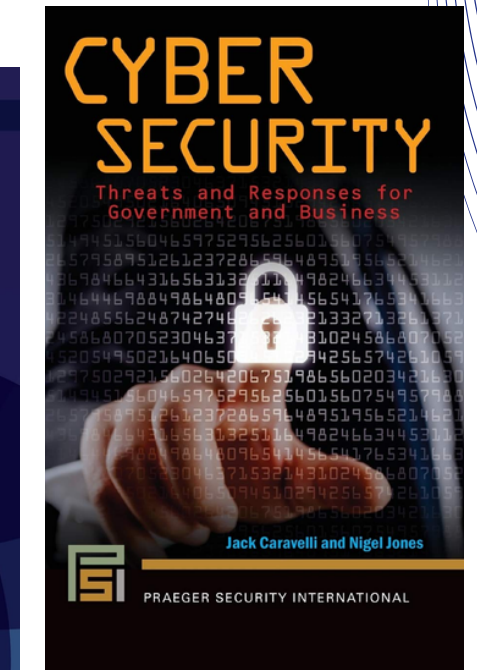
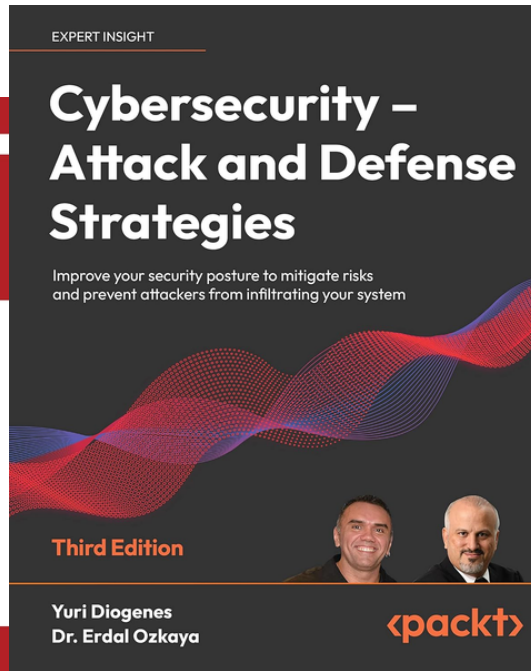
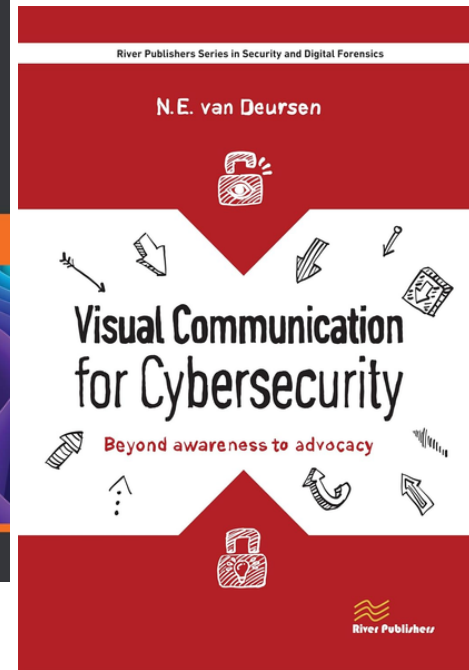
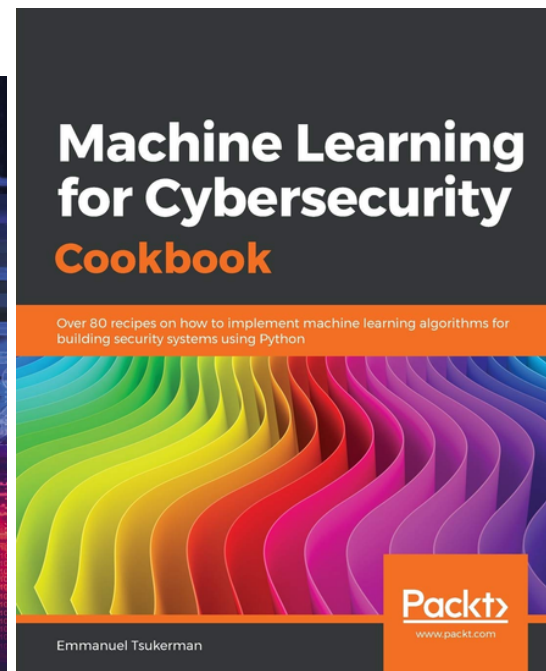
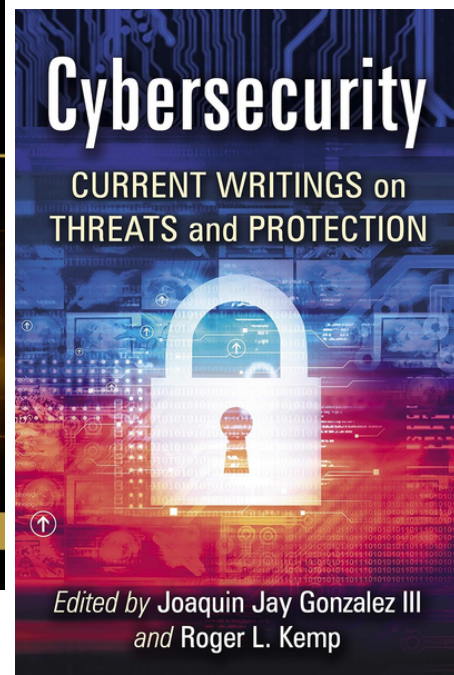
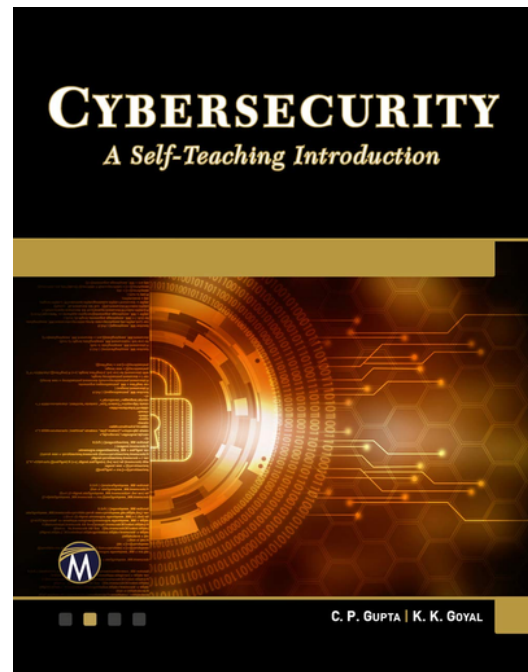
Klikšķiniet uz e-grāmatas, lai lasītu pilntekstu datubāzē!
Ielogojieties ar ORTUS paroli!

E-grāmatas



Klikšķiniet uz e-grāmatas, lai lasītu pilntekstu datubāzē!
Ielogojieties ar ORTUS paroli!

E-grāmatas



Klikšķiniet uz e-grāmatas, lai lasītu pilntekstu datubāzē!
Ielogojieties ar ORTUS paroli!

E-grāmatas

O'REILLY®

Pirms atvērt resursu, ielogojieties O'Reilly platformā ar RTU e-pasta adresi!



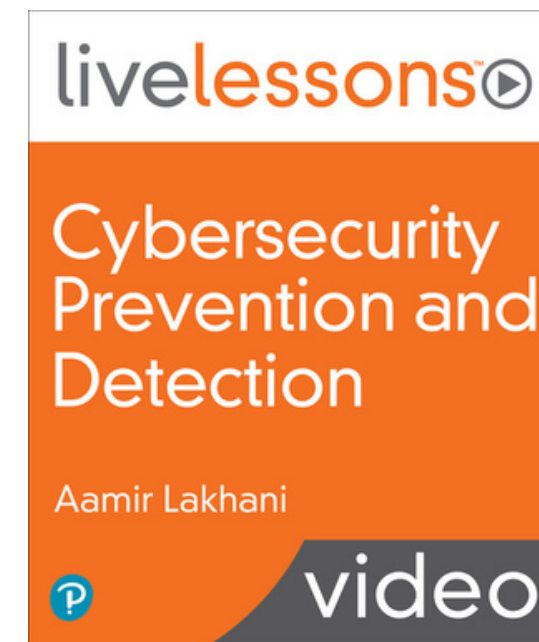
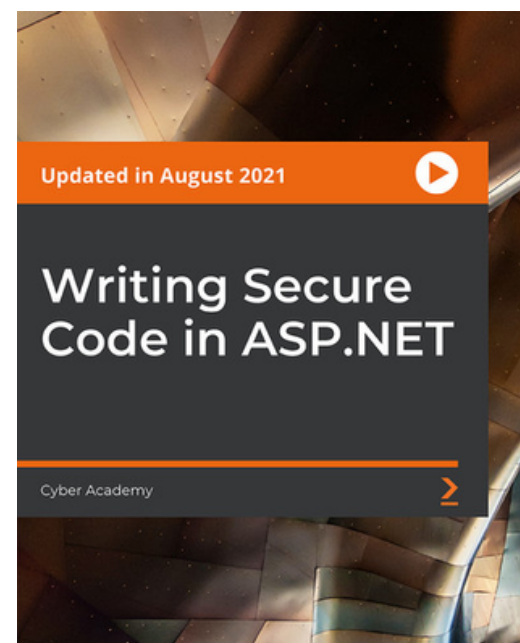
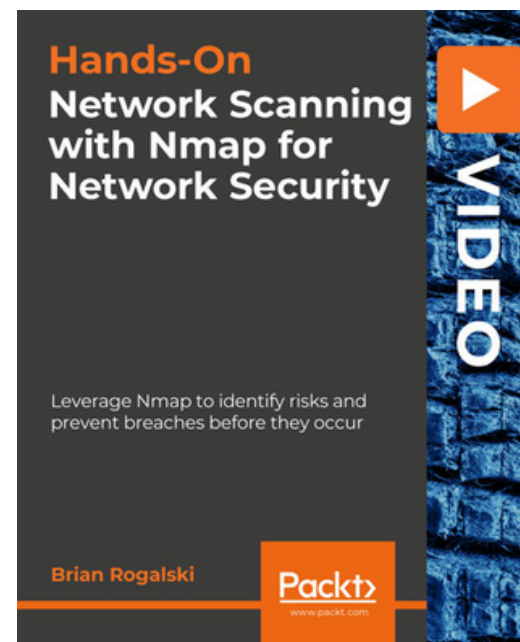
Lai ielogotos O'Reilly mācību platformā:

1. Atvēriiet platformu <https://www.oreilly.com/library-access/>
2. Izvēlieties "Institution not listed?"
3. Ievadiet savu RTU e-pasta adresi

E-kursi

O'REILLY®

Pirms atvērt resursu, ielogojieties O'Reilly platformā ar RTU e-pasta adresi!

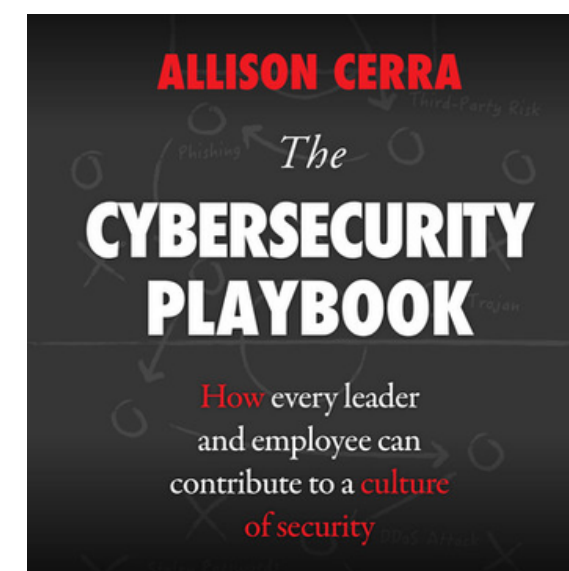
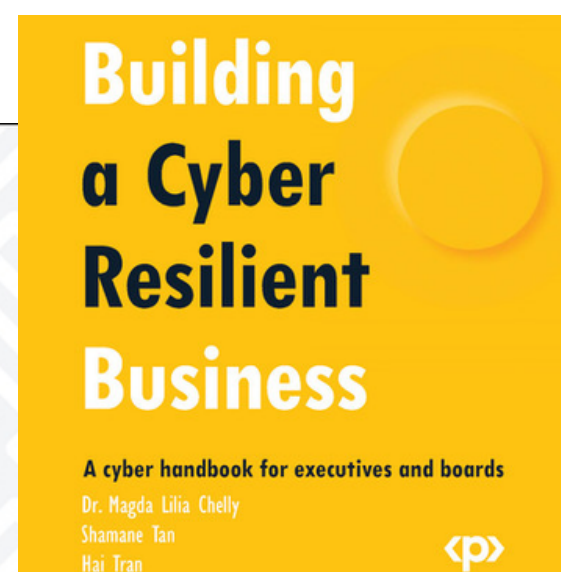
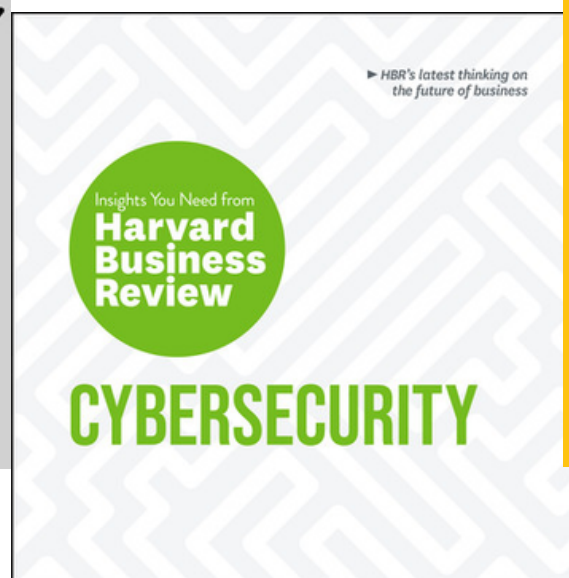
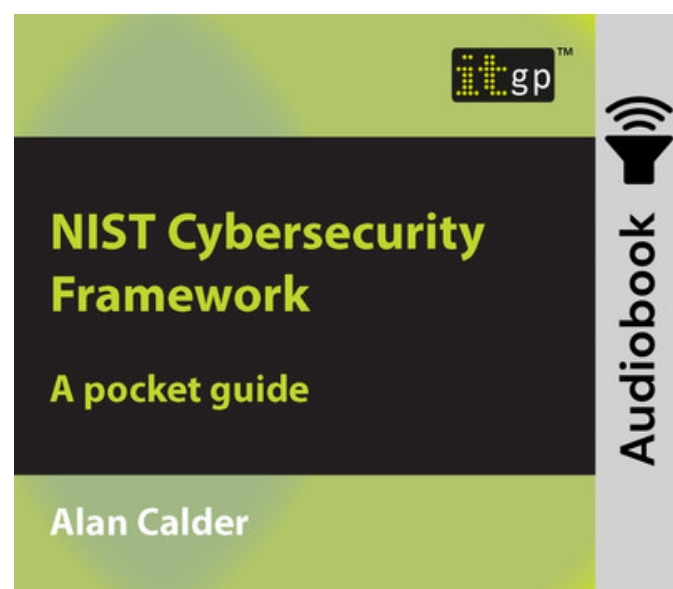
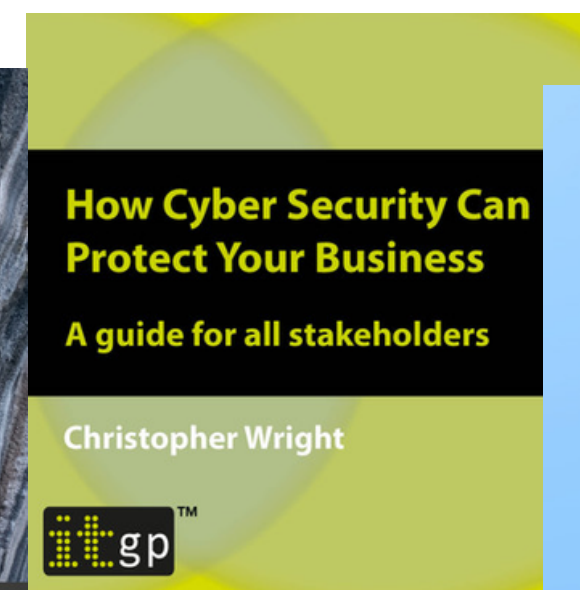
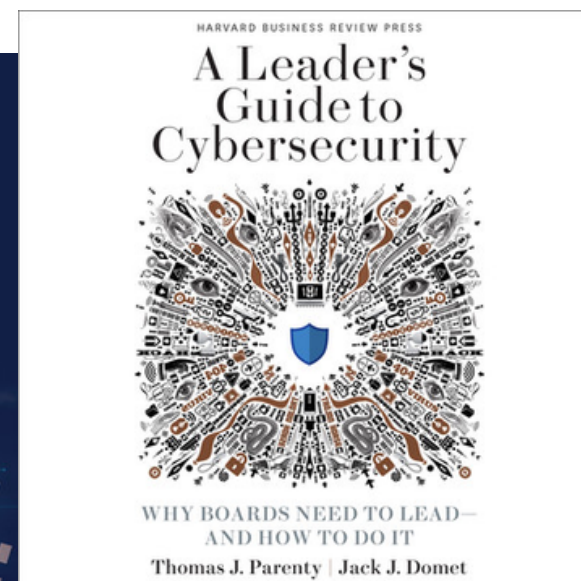
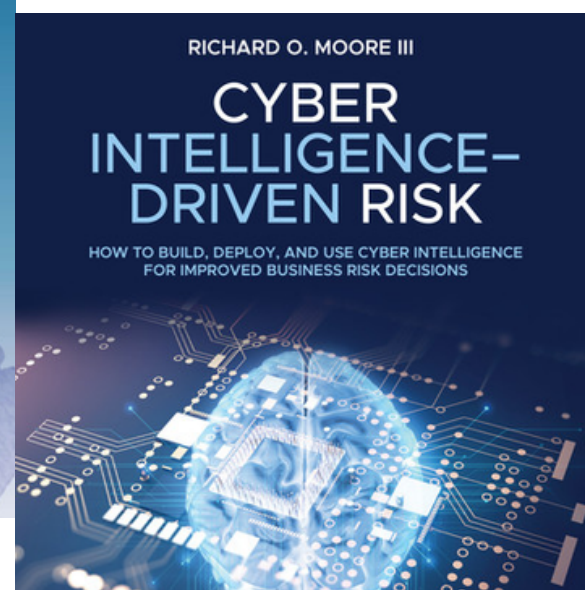
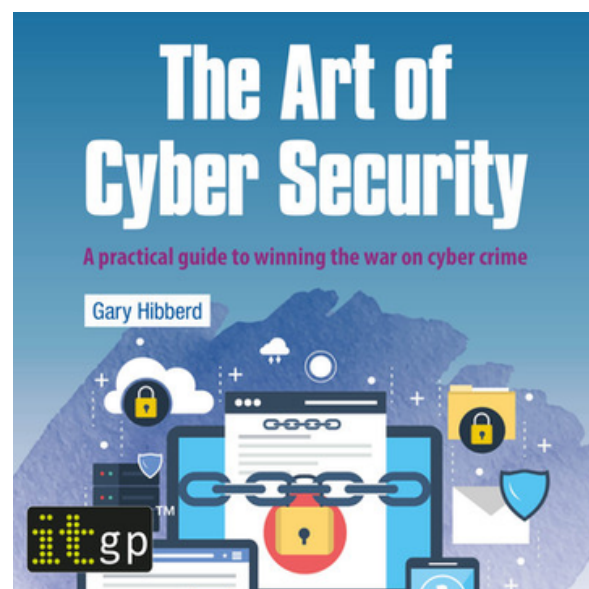


- Lai ielogotos O'Reilly mācību platformā:
1. Atvēriiet platformu <https://www.oreilly.com/library-access/>
 2. Izvēlieties "Institution not listed?"
 3. Ievadiet savu RTU e-pasta adresi

Audiogrāmatas

O'REILLY®

Pirms atvērt resursu, ielogojieties O'Reilly platformā ar RTU e-pasta adresi!

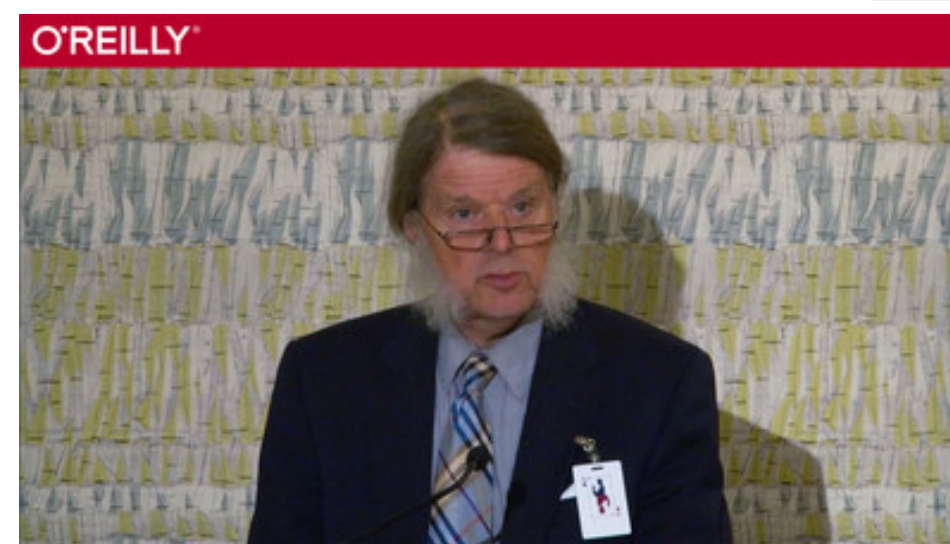
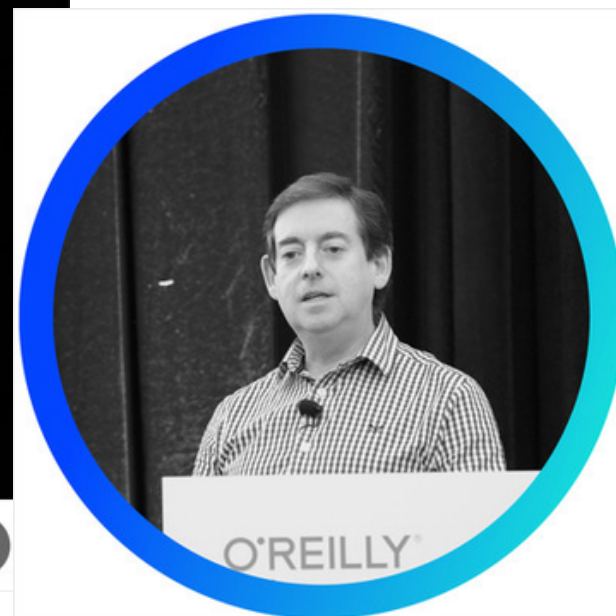


Lai ielogotos O'Reilly mācību platformā:

1. Atvēriet platformu <https://www.oreilly.com/library-access/>
2. Izvēlieties "Institution not listed?"
3. Ievadiet savu RTU e-pasta adresi

Videomateriāli

Pirms atvērt resursu, ielogojieties O'Reilly platformā ar RTU e-pasta adresi!



- Lai ielogotos O'Reilly mācību platformā:
1. Atvēriet platformu <https://www.oreilly.com/library-access/>
 2. Izvēlieties "Institution not listed?"
 3. Ievadiet savu RTU e-pasta adresi

Publikācijas abonētajās datubāzēs ScienceDirect

- Fisk, N., Kelly, N., & Liebrock, L. (2023). **Cybersecurity Communities of Practice: Strategies for Creating Gateways to Participation.** Computers & Security, 132, 103188.
- Botta, A., Rotbei, S., Zinno, S., & Ventre, G. (2023). **Cyber Security of Robots: A Comprehensive Survey.** Intelligent Systems with Applications, 18, 200237.
- Bozorgchenani, A., Zarakovitis, C., Chien, S., Ting, T., Ni, Q., & Mallouli, W. (2023). **Novel Modeling and Optimization for Joint Cybersecurity-vs-QoS Intrusion Detection Mechanisms in 5G Networks.** Computer Networks (Amsterdam, Netherlands : 1999), 237, 110051.
- Dupont, B., Shearing, C., Bernier, M., & Leukfeldt, R. (2023). **The Tensions of Cyber-Resilience: from Sensemaking to Practice.** Computers & Security, 132, 103372.
- Budde, C., Karinsalo, A., Vidor, S., Salonen, J., & Massacci, F. (2023). **Consolidating Cybersecurity in Europe: A Case Study on Job Profiles Assessment.** Computers & Security, 127, 103082.
- Kaur, R., Gabrijelčič, D., & Klobučar, T. (2023). **Artificial Intelligence for Cybersecurity: Literature Review and Future Research Directions.** Information Fusion, 97, 101804.
- AlDaajeh, S., Saleous, H., Alrabaee, S., Barka, E., Breiting, F., & Raymond Choo, K. (2022). **The Role of National Cybersecurity Strategies on the Improvement of Cybersecurity Education.** Computers & Security, 119, 102754.
- Kumar, R., Sharma, S., Vachhani, C., & Yadav, N. (2022). **What Changed in the Cyber-Security after COVID-19?** Computers & Security, 120, 102821.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Publikācijas abonētajās datubāzēs ScienceDirect

- Alanazi, M., Freeman, M., & Tootell, H. (2022). **Exploring the Factors that Influence the Cybersecurity Behaviors of Young Adults**. Computers in Human Behavior, 136, 107376.
- Taherdoost, H. (2022). **Cybersecurity vs. Information Security**. Procedia Computer Science, 215, 483-487.
- Leszczyna, R. (2021). **Review of Cybersecurity Assessment Methods: Applicability Perspective**. Computers & Security, 108, 102376.
- Dixit, P., & Silakari, S. (2021). **Deep Learning Algorithms for Cybersecurity Applications: A Technological and Status Review**. Computer Science Review, 39, 100317.
- Hannousse, A., & Yahiouche, S. (2021). **Handling Webshell Attacks: A Systematic Mapping and Survey**. Computers & Security, 108, 102366.
- Yamin, M., Katt, B., & Gkioulos, V. (2020). **Cyber Ranges and Security Testbeds: Scenarios, Functions, Tools and Architecture**. Computers & Security, 88, 101636.
- Gupta, R., Tanwar, S., Tyagi, S., & Kumar, N. (2020). **Machine Learning Models for Secure Data Analytics: A Taxonomy and Threat Model**. Computer Communications, 153, 406-440.
- Riahi Manesh, M., & Kaabouch, N. (2019). **Cyber-Attacks on Unmanned Aerial System Networks: Detection, Countermeasure, and Future Research Directions**. Computers & Security, 85, 386-401.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Publikācijas abonētajās datubāzēs

WILEY
Online Library

- Dwyer, A. (2023). **Cybersecurity's Grammars: A more-than-Human Geopolitics of Computation**. Area (London 1969), 55(1), 10-17.
- Suryavanshi, A., Alnajdi, A., Alhajeri, M., Abdullah, F., & Christofides, P. (2023). **Encrypted Model Predictive Control Design for Security to Cyberattacks**. AIChE Journal, 69(8), e18104.
- Yan, F., Wen, S., Nepal, S., Paris, C., & Xiang, Y. (2022). **Explainable Machine Learning in Cybersecurity: A Survey**. International Journal of Intelligent Systems, 37(12), 12305-12334.
- Cains, M., Flora, L., Taber, D., King, Z., & Henshel, D. (2022). **Defining Cyber Security and Cyber Security Risk within a Multidisciplinary Context Using Expert Elicitation**. Risk Analysis, 42(8), 1643-1669.
- Lewallen, J. (2021). **Emerging Technologies and Problem Definition Uncertainty: The Case of Cybersecurity**. Regulation & Governance, 15(4), 1035-1052.
- Schaaf, K., Tekinerdogan, B., & Catal, C. (2021). **A Feature-Based Approach for Guiding the Selection of Internet of Things Cybersecurity Standards Using Text Mining**. Concurrency and Computation, 33(21), e6385.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Publikācijas abonētajās datubāzēs

WILEY
Online Library

- Wanxing Sheng, Keyan Liu, & Ying Liang. (2021). **Comprehensive Fault Simulation Method in Active Distribution Network with the Consideration of Cyber Security**. IET Cyber-physical Systems, 6(1), 27-40.
- Rios Insua, D., Couce-Vieira, A., Rubio, J., Pieters, W., Labunets, K., & G. Rasines, D. (2021). **An Adversarial Risk Analysis Framework for Cybersecurity**. Risk Analysis, 41(1), 16-36.
- Krutilla, K., Alexeev, A., Jardine, E., & Good, D. (2021). **The Benefits and Costs of Cybersecurity Risk Reduction: A Dynamic Extension of the Gordon and Loeb Model**. Risk Analysis, 41(10), 1795-1808.
- He, Q., Meng, X., Qu, R., & Xi, R. (2020). **Machine Learning-Based Detection for Cyber Security Attacks on Connected and Autonomous Vehicles**. Mathematics (Basel), 8(8), 1311.
- Leszczyna, R. (2019). **Standards with Cybersecurity Controls for Smart Grid—A Systematic Analysis**. International Journal of Communication Systems, 32(6), e3910.
- Scala, N., Reilly, A., Goethals, P., & Cukier, M. (2019). **Risk and the Five Hard Problems of Cybersecurity**. Risk Analysis, 39(10), 2119-2126.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Publikācijas abonētajās datubāzēs



- Proulx, A., Chouinard, J., Fortier, P., & Miled, A. (2023). **A Survey on FPGA Cybersecurity Design Strategies**. ACM Transactions on Reconfigurable Technology and Systems, 16(2), Article 20.
- Shreeve, B., Gralha, C., Rashid, A., Araújo, J., & Goulão, M. (2023). **Making Sense of the Unknown: How Managers Make Cyber Security Decisions**. ACM Transactions on Software Engineering and Methodology, 32(4), Article 83.
- Asiri, M., Saxena, N., Gjomemo, R., & Burnap, P. (2023). **Understanding Indicators of Compromise against Cyber-attacks in Industrial Control Systems: A Security Perspective**. ACM Transactions on Cyber-physical Systems, 7(2), Article 15.
- Bendler, D., & Felderer, M. (2023). **Competency Models for Information Security and Cybersecurity Professionals: Analysis of Existing Work and a New Model**. ACM Transactions on Computing Education, 23(2), Article 25.
- Bernal, S., Celdrán, A., & Pérez, G. (2023). **Eight Reasons to Prioritize Brain-Computer Interface Cybersecurity**. Communications of the ACM, 66(4), 68-78.
- Kulik, T., Dongol, B., Larsen, P., Macedo, H., Schneider, S., Tran-Jørgensen, P., & Woodcock, J. (2022). **A Survey of Practical Formal Methods for Security**. Formal Aspects of Computing, 34(1), Article 5.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Publikācijas abonētajās datubāzēs



- Ham, J. (2021). **Toward a Better Understanding of "Cybersecurity"**. Digital Threats (Print), 2(3), Article 18.
- Hajny, J., Ricci, S., Piesarskas, E., & Sikora, M. (2021). **Cybersecurity Curricula Designer**. ACM International Conference Proceeding Series, ACM International Conference Proceeding Series, 2021, Article 3469183.
- Hu, Z., Zhu, M., & Liu, P. (2021). **Adaptive Cyber Defense against Multi-Stage Attacks Using Learning-Based POMDP**. ACM Transactions on Privacy and Security, 24(1), Article 6.
- Ricci, S., Janout, V., Parker, S., Jerabek, J., Hajny, J., Chatzopoulou, A., & Badonnel, R. (2021). **PESTLE Analysis of Cybersecurity Education**. ACM International Conference Proceeding Series, ACM International Conference Proceeding Series, 2021, Article 3469184.
- Gorka, S., McNett, A., Miller, J., & Webb, B. (2020). **A Cybersecurity Course for Everyone**. SIGITE 2020 - Proceedings of the 21st Annual Conference on Information Technology Education, 409-412.
- Odlyzko, A. (2019). **Cybersecurity is not Very Important**. Ubiquity - Association for Computing Machinery, 2019(June), Article 2.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Publikācijas abonētajās datubāzēs



- Djebbar, F., & Nordstrom, K. (2023). **A Comparative Analysis of Industrial Cybersecurity Standards.** IEEE Access, 11, 85315 - 85332.
- Shah, M., Iqbal, F., Rehman, U., & Hung, P. (2023). **A Comparative Assessment of Human Factors in Cybersecurity: Implications for Cyber Governance.** IEEE Access, 11, 87970 - 87984.
- Gupta, M., Akiri, C., Aryal, K., Parker, E., & Praharaj, L. (2023). **From ChatGPT to ThreatGPT: Impact of Generative AI in Cybersecurity and Privacy.** IEEE Access, 11, 80218 - 80245.
- Salinas, O., Soto, R., Crawford, B., & Olivares, R. (2023). **An Integral Cybersecurity Approach Using a Many-Objective Optimization Strategy.** IEEE Access, 11, 91913-91936.
- Pawlicka, A., Pawlicki, M., Kozik, R., & Choras, M. (2023). **What will the Future of Cybersecurity Bring Us, and will it be Ethical? The Hunt for the Black Swans of Cybersecurity Ethics.** IEEE Access, 11, 58796 - 58807.
- Mueck, M., On, A., & Du Boispean, S. (2023). **Upcoming European Regulations on Artificial Intelligence and Cybersecurity.** IEEE Communications Magazine, 61(7), 98-102.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Publikācijas abonētajās datubāzēs



- Ghimire, B., & Rawat, D. (2022). **Recent Advances on Federated Learning for Cybersecurity and Cybersecurity for Federated Learning for Internet of Things**. IEEE Internet of Things Journal, 9(11), 8229-8249.
- Hernandez-Ramos, J., Matheu, S., & Skarmeta, A. (2021). **The Challenges of Software Cybersecurity Certification [Building Security In]**. IEEE Security & Privacy, 19(1), 99-102.
- Djordjevic, I. (2021). **QKD-Enhanced Cybersecurity Protocols**. IEEE Photonics Journal, 13(2), Article 7600208.
- Kshetri, N. (2021). **Economics of Artificial Intelligence in Cybersecurity**. IT Professional, 23(5), 73-77.
- Puthal, D., & Mohanty, S. (2021). **Cybersecurity Issues in AI**. IEEE Consumer Electronics Magazine, 10(4), 33-35.
- Larriva-Novo, X., Vega-Barbas, M., Villagra, V., & Sanz Rodrigo, M. (2020). **Evaluation of Cybersecurity Data Set Characteristics for Their Applicability to Neural Networks Algorithms Detecting Cybersecurity Anomalies**. IEEE Access, 8, 9005-9014.
- Crouch, A., & Ley, A. (2020). **A Role for Embedded Instrumentation in Real-Time Hardware Assurance and Online Monitoring against Cybersecurity Threats**. IEEE Instrumentation & Measurement Magazine, 23(5), 27-32.

Klikšķiniet uz raksta, lai lasītu pilntekstu!
Ielogojieties ar ORTUS paroli!

Interneta resursi

- [Kiberdrošība](#)
- [Kiberdrošības pārvaldība](#)
- [Kiberdrošība: kā ES novērš kiberdraudus](#)
- [Kiberdrošība – kā šaha turnīrs. Kā uzvarēt un neiekrīst slazdos](#)
- [10 paņēmieni, ar kuriem ļaundari internetā var izkrāpt tavu naudu](#)
- [Kiberdrošība uzņēmumiem: noderīgi padomi un eksperta viedoklis](#)
- [Spēle pieaugušajiem – atrodi 10 atšķirības jeb kā atpazīt krāpnieciskus e-pastus](#)
- [Latvijā dibina starptautiskās kiberdrošības iniciatīvas Women4Cyber pārstāvniecību](#)
- [What is Cyber Security?](#)
- [Know the Types of Cyber Threats](#)
- [What is Cyber Security? Definition, Best Practices & Examples](#)
- [What is Cyber Security and How does it Work?](#)
- [Cybersecurity: Meaning, Types of Cyber Attacks, Common Targets](#)
- [What is Cybersecurity and Why It is Important?](#)



Ilustrācijas



- cottonbro studio:
<https://www.pexels.com/photo/hand-putting-a-usb-flash-drive-in-a-laptop-5474284/>
- <https://pixabay.com/photos/cyber-security-internet-network-4610993/>

Rīgas Tehniskās universitātes Zinātniskā bibliotēka, 2023.