

BIOMETRICS

ACADEMIA

- Curtis, S., Belli, D., Alanoca, S., Bora, A., Mialhe, N., Lannquist, Y. (2021). Bridging the trust gaps in biometrics. *Biometric Technology Today*, Volume 2021, Issue 3. DOI: [https://doi.org/10.1016/S0969-4765\(21\)00035-7](https://doi.org/10.1016/S0969-4765(21)00035-7)

Keywords: AI, Biometric systems, data rights, human features and behaviours, policymakers

- Gordon, J., Curran, M., Chuang, J., Cheshire, J. (2021). Covert Embodied Choice: Decision-Making and the Limits of Privacy Under Biometric Surveillance. *CHI Conference on Human Factors in Computing Systems (CHI '21)*, May 8–13, 2021, Yokohama, Japan. ACM, New York, NY, USA. DOI: <https://doi.org/10.1145/3411764.3445309>

Keywords: biometrics, prediction, privacy, virtual reality, surveillance

- Thomas, P.A., Preetha Mathew, K. (2021). A broad review on non-intrusive active user authentication in biometrics. *J Ambient Intell Human Comput.* DOI: <https://doi.org/10.1007/s12652-021-03301-x>

Keywords: Authentication framework, biometrics, confidential, digital applications, user's personal information

- Marcu, B.I. (2021). [Eurodac: Biometrics, Facial Recognition, and the Fundamental Rights of Minors](#). *European Law blog*.

Keywords: Eurodac, fingerprints, GDPR, minors, security

- Abomhara, M., Yayilgan, S.Y., Obiora Nweke, L., Székely, Z. (2021). A comparison of primary stakeholders' views on the deployment of biometric technologies in border management: Case study of SMart mobILity at the European land borders. *Technology in Society*, Volume 64. DOI: <https://doi.org/10.1016/j.techsoc.2020.101484>

Keywords: Biometric technologies, Border control, SMILE project, Biometrics

- Kaur, H., Khanna, P. (2020). Privacy preserving remote multi-server biometric authentication using cancelable biometrics and secret sharing. *Future Gener Comput Syst*, 102:30–41. DOI: <https://doi.org/10.1016/j.future.2019.07.023>

Keywords: Biometric authentication, database, identity, protection, secret sharing method

- Dobbie, S. (2020). Challenge of biometric security for banks. *Biometric Technol Today*, 2020(3):5–7. DOI: [https://doi.org/10.1016/S0969-4765\(20\)30037-0](https://doi.org/10.1016/S0969-4765(20)30037-0)

Keywords: Banking, biometric authentication, identity verification, payment authorisation, voice ID

- Patro K.K., Reddi, S.P.R., Khalelulla, S.K.E., Rajesh Kumar, P., Shankar, K. (2020). ECG data optimization for biometric human recognition using statistical distributed machine learning algorithm. *J Supercomput* 76(2):858–875. DOI: <https://doi.org/10.1007/s11227-019-03022-1>

Keywords: Artificial neural network (ANN), Biometric, Distributed learning algorithm, ECG-ID database, Machine learning, Statistical learning

- Tanwar, S., Tyagi, S., Kumar, N., Obaidat, M.S. (2019). Ethical, legal, and social implications of biometrics technologies. Obaidat, M.S., Traore, I., Woungang, I. (Eds.), *Biometric-Based Physical and Cybersecurity Systems*. Springer, Cham, pp. 535-569.

Keywords: Biometric technologies, ethical implications, legal implications, social implications, security

- Almalki, S., Chatterjee, P., Roy, K. (2019). Continuous authentication using mouse clickstream data analysis. In: *International conference on security, privacy and anonymity in computation, communication and storage*. Springer, Cham. https://doi.org/10.1007/978-3-030-24900-7_6

Keywords: Mouse dynamics, Biometric, Continuous authentication, Behavioral biometric, Machine learning

- Srinivas, N., Ricanek, K., Michalski, D., Bolme, D., & King, M. (2019). [Face Recognition Algorithm Bias: Performance Differences on Images of Children and Adults](#). *Osti gov*. United States.

Keywords: Adults, algorithm, datasets, children, face recognition

- Abomhara, M., Yayilgan, S.Y., Shalaginova, M., Székely, Z. (2019). Border control and use of biometrics: Reasons why the right to privacy can not be absolute. *IFIP International Summer School on Privacy and Identity Management*. Springer, pp. 259-271. DOI: [10.1007/978-3-030-42504-3_17](https://doi.org/10.1007/978-3-030-42504-3_17)

Keywords: Biometrics, biometric technology, border control, data privacy, right to privacy

- Goddart, M. (2017). The EU General Data Protection Regulation (GDPR): European Regulation that has a Global Impact. *International Journal of Market Research*, Vol.59, issue 6. DOI: <https://doi.org/10.2501/IJMR-2017-050>

Keywords: GDPR, human rights, impact, online identification, privacy

- Memon, N. (2017). How Biometric Authentication Poses New Challenges to Our Security and Privacy [In the Spotlight]. *IEEE Signal Processing Magazine*, Volume: 34, Issue: 4. DOI: [10.1109/MSP.2017.2697179](https://doi.org/10.1109/MSP.2017.2697179)

Keywords: Biometric authentication, data, device, network security, privacy

- Willoughby, A. (2017). Biometric Surveillance and the Right to Privacy [Commentary]. *IEEE Technology and Society Magazine*, vol. 36, no. 3, pp. 41-45. DOI:[10.1109/MTS.2017.2728736](https://doi.org/10.1109/MTS.2017.2728736)

Keywords: Biometric technology, biometric surveillance, human rights, physiological features, privacy