DEEPFAKE AS POLITICAL WEAPON. LOCAL REPRESENTATIVES BECOMING TARGETS AS WELL

Oana Olariu

"Alexandru Ioan Cuza" University, Iași, Romania,

Raul Felix Hodos

University "1 Decembrie 1918" of Alba Iulia, Romania University of Economic Studies, Bucharest, Romania,

Raluca Onufreiciuc

"Stefan cel Mare" University of Suceava, Romania
University of Bucharest and University of A Coruna,
Romania/Spain

Summary: Although political deepfakes are generally considered extremely deceptive bits of disinformation, the research on their social and political effects is scarce and there are virtually no studies on how they are used to hack local politics. The present study contributes to cover this gap.

Key words: Political deepfakes, local politics, deepfakes effects, political communication, disinformation war; Ukraine, Russia;

1. Introduction

There is a strong, historical consensus about the vital role of viable public information in supporting working democracies¹. The famous Lippmann-Dewey debate, which marked the

¹ Marwan Albahar, Jameel Almalki, "Deepfakes: Threats and countermeasures systematic review", in *Journal of Theoretical and Applied Information Technology*, vol. 97 (22), 2019, p. 3242. See also Tom Dobber, Nadia Metoui, Damian Trilling, Natali Helberger, Claes de Vreese, "Do (microtargeted) deepfakes have real effects on political attitudes?", in *The International Journal of Press/Politics*, vol. 26 (1), 69-91, 2021, p. 69.

propaganda version of the age of swords and shields which raises the question how citizens can defend themselves against deepfakes. In the form of an experiment, the MIT Media Lab's artificial intelligence tool, Deep Angel, is step by step learning and testing deepfake-spotting skills. But will it be enough? Or in order to protect themselves from deepfakes, people have to use their own common sense and intellect and as a last resort truly embrace who they are as individuals, encouraging us to become more human and caring.

Bibliography

- 1. Ajder Henry, "Deepfake Threat Intelligence: a statistics snapshot from June 2020", in *Sensity*, July 3, 2020: https://sensity.ai/deepfake-threat-intelligence-astatistics-snapshot-from-june-2020/.
- 2. Albahar Marwan, Jameel Almalki, "Deepfakes: Threats and countermeasures systematic review", in *Journal of Theoretical and Applied Information Technology*, vol. 97 (22), 3242-3250, 2019.
- 3. Bansal Geet, Manju Lata Joshi, "Deepfake: A Systematic Review", in *Kalyan Bharati: Journal of Indian History and Culture*, vol. 36 (VIII), 71-79, 2021.
- 4. Barari Soubhik, Christopher Lucas, Kevin Munger, "Political Deepfake Videos Misinform the Public, But No More than Other Fake Media", in "OSF Preprints", 2021.
- 5. Chesney Robert, Citron Danielle, "Deepfakes and the New Disinformation War. The Coming Age of Post-Truth Geopolitics", in *Foreign Affairs*, January-February 2019.
- 6. Dobber, Tom, Nadia Metoui, Damian Trilling, Natali Helberger, Claes de Vreese, "Do (microtargeted) deepfakes have real effects on political attitudes?", in *The International Journal of Press/Politics*, vol. 26 (1), 69-91, 2021.
- 7. Farid, Hany, "The Deepfake detector", in "Should this Exist", available at https://shouldthisexist.com/deepfake-detective/.
- 8. Giansiracusa Noah, "How Algorithms Create and Prevent Fake News: Exploring the Impacts of Social Media", Deepfakes, GPT-3, and More, Apress, 2021.
- 9. Grube Norbert, "Mass Democracy and Political Governance: The Walter Lippmann-John Dewey Debate", in *Pragmatism and Modernities*, edited by Daniel Tröhler, Thomas Schlag, and Fritz Osterwalder, Brill, 2010.
- 10. Hall Holly Kathleen, "Deepfake videos: When seeing isn't believing", in Catholic University Journal of Law and Technology, vol. 27 (1), 51-76, 2018.
- 11. Harding Luke, "European politicians duped into deepfake video calls with mayor of Kyiv", in *The Guardian*, 25th of June 2022, available at https://www.theguardian.com/world/2022/jun/25/european-leaders-deepfake-video-calls-mayor-of-kyiv-vitali-klitschko

- 12. Hsu Jeremy, "Experts Bet on First Deepfakes Political Scandal", in "IEEE SPECTRUM", June 22, 2018, available at https://spectrum.ieee.org/experts-bet-on-first-deepfakes-political-scandal#toggle-gdpr
- 13. Ice Jessica, "Defamatory political deepfakes and the first amendment", in "Case Western Reserve Law Review", vol. 70 (2), 417-455, 2019.
- 14. Kugler B. Matthew, Carly Pace, "Deepfake privacy: Attitudes and regulation," in *Northwestern University Law Review*, vol. 116 (3), 611-680, 2021.
- 15. Metz Rachel, "Facebook and YouTube say they removed Zelensky deepfake". CNN, March 16, 2022, available at https://edition.cnn.com/2022/03/16/tech/deepfake-zelensky-facebook-meta/index.html
- 16. Natea Mihaela Daciana, "Politica de diplomație publică între comunicare și manipulare", in *Elite politice și securitatea națională a României*, Natea Mihaela Daciana, Lucian Săcălean, Roxana Mihaly (coord.), Bucuresti, Ed ProUniversitaria, 2018, pp. 31-41
- 17. Natea Mihaela Daciana, "Do we like the bad guy? Branding trough negative image", în *Elite politice și securitatea națională a României*, Natea Mihaela Daciana, Lucian Săcălean, Roxana Mihaly (coord.), Bucuresti, Ed ProUniversitaria, 2018, pp. 112-117
- 18. Pennycook Gordon, David G. Rand, "Who falls for fake news? The roles of analytic thinking, motivated reasoning, political ideology, and bullshit receptivity", in *SSRN Electronic Journal*, vol. 88 (2), 1-63, 2017.
- 19. Rana Md. Shohel, Mohammad Nur Nobi, Beddhu Murali, Andrew H. Sung, "Deepfake detection: a systematic literature review", in *IEEE Access*, vol. 10, 254-294, 2022.
- 20. Reid Shannon, "The deepfake dilemma: Reconciling privacy and first amendment protections", in *Journal of Constitutional Law*, vol. 23 (1), 209-237, 2021.
- 21. Rogers, Everett M., Arvind Singhal, Margaret M. Quinlan, "Diffusion of innovations", in *An integrated approach to communication theory and research*, edited by Don. W. Stacks and Michael B. Salwen, Routledge, 2014.
- 22. Sherstoboeva Elena, "Defamation Law in Russia in the Context of the Council of Europe (COE) Standards on Media Freedom", in *Journal of International Media & Entertainment Law*, vol. 9(1), December, 69-107, 2020.
- 23. Singh Simranjeet, Rajneesh Sharma, Alan F. Smeaton, "Using GANs to synthesise minimum training data for deepfake generation", in "arXiv preprint arXiv:2011.05421", 1-13, November, 2020.
- 24. Spivak Russell, "Deepfakes: The newest way to commit one of the oldest crimes", in The Georgetown Law Technology Review, vol. 3(2), 339–400, March, 2019.
- 25. Sütterlin Stefan, Torvald F. Ask, Sophia Mägerle, Sandra Glöckler, Leandra Wolf, Julian Schray, Alaya Chandi et al., "Individual Deep Fake Recognition Skills Are Affected by Viewers' Political Orientation, Agreement with Content and Device Used", in "PsyArXiv", December, 2021, doi:10.31234/osf.io/hwujb, 1-17.

- 26. Temir Erkam, "Deepfake: new era in the age of disinformation & end of reliable journalism", in "Selçuk İletişim", vol. 13 (2), 1009-1024, 2020.
- 27. Ternovski John, Joshua Kalla, Peter Michael Aronow, "Deepfake warnings for political videos increase disbelief but do not improve discernment: Evidence from two experiments", in "OSF Preprints", January, 2021, doi:10.31219/osf.io/dta97.
- 28. Tidler R. Zachary, *Individual Differences in Deepfake Detection: Mindblindness and Political Orientation*, PhD diss., Georgia Institute of Technology, 2021.
- 29. Uddin Mahmud Bahar, Afsana Sharmin, "Deep Insights of Deepfake Technology: A Review", in Dhaka University Journal of Applied Science and Engineering, vol. 5 (1&2), 13-23, January & July, 2020.
- 31. Vaccari Cristian, Andrew Chadwick, "Deepfakes and disinformation: Exploring the impact of synthetic political video on deception, uncertainty, and trust in news", in *Social Media+ Society*, vol. 6 (1), 1-13, February, 2020.
- 31. William E. Lee, Daxton R. Stewart, Jonathan Peters, *The Law of Public Communication*, Routledge, 2021.
- 32. Zyl van Albie, Marita Turpin, Machdel Matthee, "How can critical thinking be used to assess the credibility of online information?", in "Conference on e-Business, e-Services and e-Society", Springer, Cham, 199-210, 2020.

Acknowledgement - The present article is published with the support of the European Union and represents a deliverable within the EU project Jean Monnet Center of Excellence is European Security and Disinformation in Multicultural Societies – no. 101047907 – ESDMS, Erasmus+. The sole responsibility of this publication lies with the author.

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them..