

## CV Associate Professor Mariana Todorova

### Personal data

Name: Mariana Georgieva Todorova

Date of birth: 18.01.1979

Bulgarian citizenship

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### Education

**Doctor:** PhD in Futurology (cipher-philosophy of history). 28.02.2013 BAS, Institute for the Study of Societies and Knowledge, Section "Social Theories, Strategies and Forecasts", topic: "Counterfactual Analysis and Forecasting"

### Specializations:

- 1). 15 June 20, 10 July 2013. **China, Chinese Academy of Management.** Beijing and Shanghai: "Organization and Governance of China for Young Leaders from Central and Eastern Europe".
- 2). September 15, October 7, 2012. **USA. State Department, Senate, Congress-**Washington, Tampa, Iowa, Denver, Portland: **International Visitors Leadership Program** "Current political, economic and social issues for young European leaders". (Leaders Program: "Contemporary US Political, Economic and Social Issues for Young European Leaders".;
- 3). 2010 **Harvard Kennedy School of Government**, Program: "Leading, innovating and negotiating for young leaders in South-East Europe"; (Harvard Kennedy School), specialization in: "Leadership, innovation and negotiation for young leaders in South-Eastern Europe"
- 4). 2009 London, Outsights Think Tank, "Artificial Intelligence, Cyborgs, Future of Humanity;
- 5). 2009. Vienna, International Association of Policy Consultants

"Political Consciousness. How to run a winning campaign", specialization

**Bachelor's degree: 2002 Sofia University "St. Kliment Ohridski", Department of "Theory and History of Culture", Cultural Studies**

Scientific awards and honors: **Political Innovation Award, Institute for Political Innovation, Wien, Austria, 2017**

**Field of scientific interests:** Scientific forecasting, futurology, future of technology, ethical and humanistic aspects of artificial intelligence, AGI, counterfactuality, foresight, strategizing, scenario building, trend tracking, political philosophy, cultural theory;

### **Practical experience**

**Scientific positions:** May 2020, Associate Professor, IFS, BAS

**Scientific positions:** May 2014 to May 2020, Principal Assistant, IFS, BAS

**Teaching experience:** Lecture courses: bachelors "Creative industries and business", "Digital technologies and business", UNWE, 2020-2021

and Masters: "Creative Industries and Innovations", "Intellectual Property and Technologies", UNSS, 2020-2021

### **Expert and consulting activity:**

**Statement** on the European Agency of Cybersecurity (ENISA)

**Statement** - The Influence of Narrow Artificial Intelligence on the Achievement of Social Development Goals. Positive and Negative Perspectives, United Nations

**Statement** - Developing an Ethical Framework for Artificial Intelligence, UNESCO

**Statement** - Position on the document "The Recommendation on the Ethics of AI, UNESCO"

- 1) November 2014-January 2017, **Member of Parliament** and member of the commissions on science and education and labor and social policy in the 43rd National Assembly
- 2). September 2013 to 2014, author and publisher of the newsletter: "Deepomatic review", a monthly publication containing an analysis of the social, political and economic situation and forecasts for the future development of the country, intended for foreign embassies and diplomatic missions in Bulgaria:
- 3). January 2010-December 2011, drafting opinions in support of BAS and against the closure of institutes in the Academy, as well as against the proposed new law for BAS, within the Presidential Administration.
- 4). February 2012. Preparation of: "Matrix Bulgaria 2020", for the future development of the country, for use by the Administration of the President.
- 5). May 2010, co-author in drafting the reasons for vetoing elements of the Law on the Development of the Academic Staff within the Presidential Administration.
- 6). May, 2009, co-author of the Report for the President of the Republic of Bulgaria: "Anti-crisis measures".

#### **Membership in non-governmental organizations:**

**Chairman of the Bulgarian branch of the Millennium project**  
<http://107.22.164.43/millennium/Bulgaria.html>,  
**Member of: World Academy of Art and Sciences, Hera City, LifeBoat Foundation, former member of "World Future Society" and "Copenhagen Institute for Future Studies";**  
**-Associate member of the World Academy of Art and Sciences**

#### **Academic activities**

## **Publications:**

- 1. Пиева, Blagovesta, Todorova Mariana.** On Desired Remote Possibilities of the Future: Could Counterfactual Analysis Challenge Prognostic Reflexes? *Journal of Future Studies*, 2023, ISSN:1027-6084
- 2. Todorova, Mariana.** Current State and Future of Women's and LGBTIQ2+ Rights in Europe and Latin America. On the Right Track Initiative, 2022, ISBN:ISBN:978-619-7435-12-
- 3. Todorova, Mariana.** Digitalisation of Education, the Role of Digital Technologies and Artificial Intelligence in Building New Soft and Hard Skills. Risks and Prospects. Inclusive Futures for Europe: Addressing the Digitalisation Challenges, Проф. Марин Дринов, БАН, 2022, ISBN:978-619-245-254-4
- 4. Todorova, Mariana.** Global Trends in Education and Their Impact on Students and Learners. *Philosophy Nowadays: REFLECTIONS ON EDUCATION AND THE DIGITAL TRANSFORMATION OF KNOWLEDGE*, CESNA, Belgrade, 2022, ISBN:978-86-85985-49-2
- 5. Todorova, Mariana.** Blockchain Platform for the Organization of a Political Party, Social Movement, International Organizations, Public Companies, etc.. *Eruditio*, 2021, ISSN:2227-9679
- 6. Todorova, M.** NO CORONAVIRUS IS NOT A BLACK SWAN! BUT OUR REACTION TO IT MIGHT BE CONSIDERED AS ONE! pp.247-253. *Philosophy during the Time of Pandemic. Thematic Papers*, ed. by S. Nesković - B. Todorova, BAS-IPhS and Center for Strategic Research on National Security CESNA B Belgrade, 2021., 2021, ISBN:9788685985478
- 7. Todorova, Mariana.** Blockchain Platform for the Organization of a Political Party, Social Movement, International Organizations, Public Companies, etc.. *Eruditio*, 2021, ISSN:2227-9679
- 8. Todorova, Mariana.** The best way to predict our future is to create it together, pp.1-33. *World Academy of Art and Sciences*, World Academy of Art and Sciences, 2021, ISSN:13:978-613-349067-3
- 9. Тодорова, Мариана.** Корона вирусът и новите технологии като предпоставка за нов глобален ред, стр.185-194. *Новият световен ред между “дипломацията” на*

оръжието и оръжието на дипломацията, Еър груп 2000, 2021, ISBN:978-954-752-210-7

10. **Тодорова, Мариана.** Основни глобални трендове в образованието и тяхното влияние върху учащите. Част I. *Nota Bene*, 53, 2021, ISSN:1313-7859
11. **Тодорова, Мариана.** 2019. Изкуственият интелект. Кратка история на развитие и етични аспекти на темата. Страници 213. Изток-Запад. ISBN 978-619-01-0560-2
12. **Theodor Gordon, Todorova, Mariana.** 2019. Future studies and counterfactual analysis: Seeds of the future. Palgrave Macmillan. Springer 2019. Pages 178. ISBN 978-3-030-184-36-0, ISBN e-book 978-3-030-18437-7.
13. **Todorova, Mariana.** 2019. Philosophical, moral and ethical rationalization of artificial intelligence, in *The Transhumanism Handbook*. Editor Newton Lee. Springer, pp.263-272, ISBN 978-3-030-16919-0, ISBN 978-3-030-16920-6 (eBook), URL:<https://link.springer.com/book/10.1007%2F978-3-030-16920-6>
14. **Todorova, Mariana.** 2015. Counterfactual Construction of the Future (Building a New Methodology for Forecasting) in *World Future Review* 2015, Vol. 7(1) pp. 30–38, ISSN: 1946-7567, Online ISSN: 2169-2793, URL:<https://journals.sagepub.com/doi/10.1177/1946756715587004>
15. **Todorova, Mariana, Gordon, Theodor.** 2017. Report on a Study of Counterfactuals as a Future Research Technique for Forecasting Future Developments, in *World Futures Review* 2017, Vol. 9(2) pp. 93–105, ISSN:1946-7567, Online ISSN: 2169-2793, URL:<https://journals.sagepub.com/doi/abs/10.1177/1946756717702754>
16. **Beneva Meglena, Todorova Mariana.** 2019. Are we Ready for the Future of Homo Neuroticus and How will It Change Psychotherapy, in “*International Body Psychotherapy Journal. The Art and Science of Somatic Praxis. Journal of the European & United States Associations for Body Psychotherapy & Somatic Psychology*”, Vol. 18, Number 1, Spring 2019, Pp. 119-122, ISSN 2169-4745 Printing, ISSN 2168-1279 Online, <https://www.ibpj.org/issues/IBPJ-Volume-18-Number-1-2019.pdf>
17. **Todorova, Mariana.** 2019. “Artificial narrow intelligence” in context of robotization, automatization and the end of jobs, in *Business Management, Economics and Social Sciences. Collection of Scientific articles*, Agenda Publishing House Coventry, United Kingdom 2019, pp. 68-76, ISBN 978-2-5494-0318-2, URL:<http://conferencii.com/files/archive/2019-10.pdf>

**18. Todorova, Mariana.** 2015. Some New Trends in Futurology, in Papers of BAS. Humanities and Social Sciences. Vol. 2, No 1-2, pp.73-80, ISSN 2367-6248 ISSN (online) 2603-4832.

URL: [https://www.papersofbas.eu/images/papers/Papers-2-1-2015/Mariana%20Todorova\\_article.pdf](https://www.papersofbas.eu/images/papers/Papers-2-1-2015/Mariana%20Todorova_article.pdf)

**19. Тодорова, Мариана.** 2017. Дебатът за бъдещето на Европа. Рецензия за сборника: „Ще се разпадне ли Европейският съюз“, съставен от Борислав Градинаров, в списание Геополитика, брой 6, 2016, стр.172-174. ISSN 1312-4579, URL: <https://geopolitica.eu/spisanie-geopolitika/160-2016/broi-6-2016/2562-debatat-za-badeshteto-na-evropa>

**20. Todorova, Mariana, Gordon Theodor.** 2018. Counterfactual construction of scenarios for the future, in 6th International Conference on Future-Oriented Technology Analysis (FTA) – Future in the Making Brussels, 4-5 June 2018 , JRC European Commission, URL:<https://ec.europa.eu/jrc/sites/jrcsh/files/fta2018-paper-a5-todorova.pdf>

**21.Тодорова, Мариана.** 2018. Влияние на хибридните воени и фалшивите новини като част от тях, в сборника „Европейският съюз, България и конфликтите на 21 век“, съставител Борислав Градинаров. Bisfirm, стр.45-52, ISBN 978-619-90757-2-2, URL: [http://24may.bg/wp-content/uploads/2018/06/EU\\_BG\\_i\\_konfliktite\\_na\\_21\\_vek\\_small.pdf](http://24may.bg/wp-content/uploads/2018/06/EU_BG_i_konfliktite_na_21_vek_small.pdf)

**22.Тодорова, Мариана.** 2019. Брекзит - един неочакван контрафактичен сценарий, в „Европа и Брекзит (Какво е бъдещето на Европейския съюз)“, съставен от Борислав Градинаров. Bisfirm, стр. 92-98, ISBN 9786199075739

**23. Тодорова, Мариана.** 2019. Видове изкуствен интелект. Тесен, общ и супер изкуствен интелект, в Етически изследвания, съставен от Емилия В. Маринова, Брой 4, Книжка 2/2019. стр.129-139, ISSN 2534-84-34, URL: <https://jesbg.com/mtodorova-vidove-izkustven-intelekt-tesen-obsht-i-super-izkustven-intelekt-riskove-i-eticheski-problemi/>

**24.Тодорова, Мариана.** 2019. Какво ще „взриви“ правото? Няколко глобални тенденции, В Lex.bg, ISSN 2682-9606, URL: <https://news.lex.bg/какво-ще-взриви-правото-няколко-глоб/>

**25.Тодорова, Мариана.** 2019. Очертаваща се промяна на световния ред по въздействието на (тесния) изкуствен интелект, в списание Геополитика, ISSN 1312-4579, URL: <https://geopolitica.eu/aktualno/3092-ochertavashtata-se-promyana-na-svetovniya-red-pod-vazdeystvie-na-tesniya-izkustven-intelekt>

**26. Todorova, Mariana.** 2019. Types of Artificial Intelligence-what we might expect to happen? In: CESNA & BAS, ISSK, In: Geopolitics in the Black Sea Region – Tendencies and challenges Beograd, pp.193-199, Vol. XXIX, ISBN 978-86-85985-40-9

**27. Бенева Меглена, Тодорова Мариана.** 2019. Готови ли сме за бъдещето на Хомо Невротикус и как то ще промени психотерапията. В “International Body Psychotherapy Journal. The Art and Science of Somatic Praxis. Journal of the European & United States Associations for Body Psychotherapy & Somatic Psychology”, том 18, брой 1, Пролет 2019, стр. 119-122, ISSN 2169-4745 Printing, ISSN 2168-1279 Online, <https://www.ibpj.org/issues/IBPJ-Volume-18-Number-1-2019.pdf>

**28.Тодорова, Мариана.** 2008. Развива ли се футурологията?, сп. Философски алтернативи, стр.185-193. София: ИФИ, БАН.ISSN 0861-7899

**29.Тодорова, Мариана.** 2008. Проблеми на рисковото общество. сп. Понеделник. Книжка9/10.Стр. 7-16, София: Експреспринт ООД. ISSN 0861 – 6620

**30.Тодорова, Мариана.** 2013. Същност на контрафактивния анализ и приложението му при Дейвид Люис. Nota bene, брой 27., <http://notabene-bg.org/read.php?id=311>, ISSN 1313-7859

**31.Тодорова, Мариана.** 2020. Трансформация на левицата във времето на прехода, в Ново време, ISBN 0323905520660

Студия

**32. Тодорова, Мариана.** 2020. Политическо влияние на изкуствения интелект, в Политически хоризонти, ISSN 2534-966X

**33. Mariana Todorova.** 2020. Liquid Democracy in Blockchain System, in Cadmus journal, ISBN:978-1-4391-4865-5

**34. Тодорова, Мариана.** 2020. Изкуственият интелект и промените в икономиката. Преглед през бъдещето на труда и професиите, сборник „Дигиталната икономика и предизвикателствата пред политическата икономия“, съставен от Христо Проданов, УНСС.

### **Participation in scientific forums:**

1. Digital Technologies and Future of Education, the Old School Trinity, Cambridge, London - 16.11.2022 - 18.11.2022

2. Fake news-war for people's consciousness, Sofia Science Forum, Sofia Tech Oark, 08.10.2022 - 09.10.2022
3. AI Risks and Cybersecurity, ENISA (European Agency for Cybersecurity), Athens-15.09.2022 - 16.09.2022
4. Mitigating Social Risks, Dubai Future Forum, Dubai, UAE - 10.10.2022 - 13.10.2022
5. Threats and future of the food industry, Sofia Tech Park, Sofia – 21.06.2022 - 21.06.2022
6. Future of Education through Digitalisation. Study of Some Successful Models-Finland, Varna School of Philosophy, Varna, 29.08.2022 - 02.09.2022,
7. What is exponential medicine, University of Medicine, Pleven, 04.06.2022 - 04.06.2022
8. Future of work and digital competences, KNSB, Sofia - 15.05.2022 - 15.05.2022
9. Artificial Narrow Intelligence-Tools and Aspects that Affect Crime Prevention, Prosecution and Punishment, EJTN, Brussels, 12.05.2022 - 12.05.2022
10. Future of women's rights, Bulgarian Women's Fund, Sofia - 08.03.2022 - 08.03.2022
11. AI and Digital technologies in Post Covid Era, Freedom-E, Rio De Janeiro, online, 02.2022
12. "Happy cities", Hera City, Portugal, Online Discussion - 26.10.2021 - 26.10.2021
13. Digital Transformation of Education, World Academy of Art and Sciences, Online Discussion - 06.12.2021 - 08.12.2021
14. Technological changes, information flows and libraries, Library Association, Online Discussion, Sofia - 25.11.2021
15. Digitalization of Education, the Role of Digital Technologies and Artificial Intelligence in Building of New Soft and Hard Skills, Varna Philosophical School, Varna - 30.09.2021 - 01.10.2021

16. What does the digital transformation of education lead to? Workshop, Bulgarian Academy of Sciences, Sofia - 09.09.2021 - 12.09.2021

17. Transformation in Action: Cooperating Beyond Post-COVID, Horasis Online Discussion, - 08.06.2021 - 09.06.2021

18. Nurturing New Growth Prospects Post-COVID, Horasis Online Discussion, - 18.03.2021 - 19.03.2021

19. Blockchain Health Platforms - 10.09.2020 - 10.09.2020

20. Liquid democracy as a global transformative leadership, World Academy of 15.06.2020 - 19.06.2020

21. Artificial Intelligence Implementation in Crime Prevention, Investigation and Punishment, Brussels, Online Webinar for EJTN, 03.12.2020 - 03.12.2020

22. Planet "B", Sofia Science Festival, Sofia Tech Park - 24.09.2020 - 29.09.2020

23. The role of technology in social transformation - 29.10.2020 - 29.10.2020

24. Competing in a leaderless world. Blockchain and liquid democracy, Horasis, Online Conference, 01.10.2020

25. Artificial Intelligence and Security, at Strategic Leadership Forum. "Georgi Stoykov Rakovski" Military Academy, 10.12. 2019

26. Future of education and artificial intelligence, at the workshop "Future of education through the eyes of technology and artificial intelligence", December 3, 2019, BAS, room 207

27. Blockchain technology and future of democracy, on Transforming the Future of money conference, 18-20 November, Dubrovnik, World Academy of Art and Sciences, Croatia

28. Several scenarios in the development of weak, strong and super artificial intelligence. Opportunities, threats and ethical dimensions, November 11-13, 15 National Conference on Ethics, Ethics and Technological Risk, SU, Mirror Hall, Sofia

29. Looking into the future. AI in military and martial aspects, on European Defence-One Goal, Many Challenges, International Conference, Military club, 7.11.2019, Sofia

30. The future of professions and the labor market through the prism of artificial intelligence, at the Fourth National Conference on Political Economy, "Digital Challenges to the Political Economy, 20.11.2019 UNSS, Sofia

31. How to co-create solutions corporations and startups coming together, on Future Port, Prague, 12-14. 09. 2019, Check Republic

32. Transformations in the Left during the Transition, of the "Transition" to democracy-expectations and realities", Russian Cultural and Information Center, 22. 11.2019, Sofia

33. Types of artificial intelligence. Risks and opportunities for the countries of the Black Sea region, Varna Philosophical School, Varna, 02-06. 09. 2019

34. Brexit-an impossible counterfactual scenario, at "The European Union, Bulgaria and the conflicts of the 21st century", SU, Hall of Mirrors, April 17, 2019, Sofia

35. Counterfactuality, on Counterfactuals workshop, Lorenz Centre, Leiden, 11-15 February, Netherlands.

36. Democracy and global governance, on Future of Democracy, 18-20 November, Dubrovnik, World Academy of Art and Sciences, Croatia

37. Counterfactuals and new scenarios buildings, on Future in the making, 4-6 June, 2018, Brussels, Euro Commission, Belgium

38. Counterfactuals as cliché breakers and seeds of the future, Harvard University, Boston, April 29-30, 2018, USA

39. Are Hybrid Wars Overrated, on "The European Union and Security", Sofia University, December 21, 2017. Hall of Mirrors

40. Fake news as counterfactuals, in Forecast in Social Sciences for National Security, National Defense University, Pentagon, Washington, 23 July 2017, USA

41. Report on a study of counterfactual analysis, Real time Delphi study and Counterfactual, Construction of Future, World Future Society conference, Washington 21-23, July 2016, USA

42. Morality issues and AI, World Future Society conference, San Francisco, July 2015, USA

43. Counterfactual Construction of Future, World Future Society conference, Orlando, 11-14 July 2014, USA

### **Language proficiency with indication of degree**

English – excellent written and spoken

Russian, German - basic level

**Computer skills:** MS, Dos, Word, Power Point, Excel;