

JAKUB TESARĚ

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Jakub Tesař (jakub.tesar@fsv.cuni.cz) is a researcher and lecturer at the Institute of Political Studies at Charles University, Prague. In his Ph.D. project, he connected two areas of his expertise when he examined possible applications of the quantum theory in the social sciences, namely quantum game theory and quantum models of reasoning and decision-making.

PROFESSIONAL EXPERIENCE

- 2020 – Researcher and lecturer, Charles University, Prague
- 2017 – 2020 Study Assistant, Charles University, Prague
- 2014 – 2020 Teaching Assistant, Charles University, Prague
- 2013 – 2018 Project manager, NGO Junák – český skaut
- 2011 – 2012 Volunteer manager, NGO NaZemi
- 2007 – 2011 External lecturer in global development education, NGO NaZemi

EDUCATION

- 2013 – 2018 Ph.D., International Relations, Charles University, Prague
- 2008 – 2010 Mgr., Plasma Physics, Masaryk University, Brno
- 2005 – 2012 Bc., International Relations/European Studies, Masaryk University, Brno
- 2005 – 2008 Bc., Physics, Masaryk University, Brno

RESEARCH STAYS

- 2015 – 2016 Visiting Researcher, Mershon Center for International Security Studies, Ohio State University, USA – supervised by prof. Alexander Wendt

AREAS OF INTEREST

- Theories of international relations,
- formal models of decision-making, game theory,
- quantum probability theory and social sciences – quantum cognition, quantum decision-making, quantum game theory, quantum social science.

RESEARCH PROJECTS

- 2021 – 2023: GLOWIN - Global flows of political information (Primus, Charles University), Researcher
- 2021 – 2021: Peace Research Center Prague (Center of excellence, Charles University), Researcher.
- 2020 – 2022: Institutional support of post-doc researcher (Charles University), Principal Investigator.
- 2018 – 2020: Human-Machine Nexus and Its Implications for International Order (Center of excellence, Charles University), Researcher.
- 2018 – 2020: Evolution of unmanned technologies and their societal perception: analysis of opportunities and minimization of risks (Technological Agency of the Czech Republic), Researcher.
- 2015 – 2016: Quantum model of strategic decision-making (Research Grant of the Mershon Center for International Security Studies, Ohio State University), Principal Investigator.
- 2014 – 2016: Quantum Theory of International Relations (Grant Agency of the Charles University), Principal Investigator.

PUBLICATIONS

- Komarová, Sarah, Jakub Tesař, and Petr Soukup. 2020. „Perception of Drone Related Risks in Czech Society". *Technology in Society* 61 (May 2020): 101252. <https://doi.org/10.1016/j.techsoc.2020.101252>
- Tesař, Jakub. 2020. „A quantum model of strategic decision-making explains the disjunction effect in the Prisoner's Dilemma game". *Decision* 7 (1): 43–54. <https://doi.org/10.1037/dec0000110>.
- Tesař, Jakub. 2020. „How Do Social Norms and Expectations About Others Influence Individual Behavior?" *Foundations of Science* 25 (1): 135–50. <https://doi.org/10.1007/s10699-019-09582-y>.
- Faltýnek, J., V. Kudrle, J. Tesař, M. Volfová, and A. Tálský. 2019. „Numerical Enhancements of the Microwave Resonant Cavity Method for Plasma Diagnostics". *Plasma Sources Science and Technology* 28 (10): 105007. <https://doi.org/10.1088/1361-6595/ab4300>.
- Tesař, Jakub. 2018. „Quantum Theory of International Relations: Modeling Strategic Interaction with Quantum Probability Theory". Dissertation thesis, Prague: Charles University.
- Tesař, Jakub. 2016. „Quantum Social Science: Too elegant not to be true? (book review)". *Journal of Political Criticism* 18 (6): 377–86.
- Tesař, Jakub. 2015. „Quantum Theory of International Relations: Approaches and Possible Gains". *Human Affairs* 25 (4): 486–502. <https://doi.org/10.1515/humaff-2015-0039>.