

東洋大学長 殿
To the President of Toyo University

ウクライナからの研究員 研究報告書
Research Report by Researcher from Ukraine

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研究課題名 Research topic	Implementation of Artificial Intelligence Systems in Modern Journalism: International Experience
研究期間 Research period	年 月 日～ 年 月 日 From 2024/November/29 to 2024/December/9
研究協力教員氏名（所属） Research partner (affiliation)	Professor Morihiko Ogasahara, Faculty of Sociology
研究成果発表 （予定も含む） Publication/Presentation (including future ones)	The publication of a scientific article in a scientific journal on Implementation of Artificial Intelligence Systems in Modern Journalism: International Experience is planned on March, 2025.
研究成果の概要 Summary of your research achievements	<p>During the research period at Toyo University, the aim was to deepen my investigation into the integration of artificial intelligence in modern journalism, particularly how AI can be utilized effectively and ethically across media platforms. Building on my current research, which focuses on AI's global influence on news production, distribution, and audience engagement, I planned to address several key objectives while aligning with Toyo University's expertise in technology and AI research.</p> <p>The goal was to explore both the technical and ethical aspects of using AI in journalism. From a technical standpoint, the focus was on AI algorithms for content creation, data analysis, and media automation. Additionally, the aim was to address critical issues such as AI bias, data privacy, and the consequences of AI-driven news curation. The objective was to propose technical solutions that adhere to ethical standards, ensuring that AI can be responsibly implemented in journalistic practices.</p>

Another key goal was to conduct a comparative analysis of how AI is applied in journalism across various countries, focusing on cultural, technological, and regulatory differences. The aim was to gain a comprehensive understanding of the global challenges and opportunities that AI presents in the media industry while drawing on Toyo University's expertise in AI and its global innovation approach.

The objective was to initiate collaborative research projects with Toyo University, exploring AI's role in media innovation while addressing global concerns, such as ethical issues in AI-powered journalism. By leveraging Toyo University's advanced technical expertise in AI, the goal was to develop innovative solutions that enhance media processes while ensuring responsible AI usage.

The aim was to promote academic collaboration between Toyo University and Kyiv Aviation Institute by facilitating interdisciplinary research and knowledge exchange. This includes exploring AI's applications in journalism, organizing workshops on AI ethics, and conducting cross-cultural studies on media and technology.

The research internship at Toyo University was dedicated to the relevant topic of international experience in the use of artificial intelligence in modern journalism, in particular, in the fight against disinformation and the creation of a healthy information environment.

Environment. The purpose of this trip was to learn about the experience of Japanese scientists in this field.

One of the key parts of the internship was an offline meeting with Professor Morihiro Ogasahara from the Department of Media and Communications. His research focuses on the analysis of news models and their impact on audience behaviour in the context of disinformation. During our conversation, the professor spoke in detail about his research, including how AI can be used to automatically analyze news sources, detect fake news, and personalize content without the risk of creating information bubbles. This knowledge is extremely valuable for developing effective tools to combat disinformation.

Also, an online meeting with Professor Fujio Toriumi, who researches

computational Social Science, was very useful. His scientific article 'Informational Health: Towards the Reduction of Risks in the Information Space' became the basis for our discussion about the potential of AI in creating a healthy information environment.

Professor Toriumi emphasized the importance of developing AI tools for visualizing meta-information, allowing users to better understand the sources and context of information.

We also discussed the possibility of using AI to monitor the information space and assess its health.

Important components of the internship were lectures by the management of Toyo University, which provided valuable international context.

Vice President for International Relations, Professor Aramaki, gave a lecture on 'Globalisation of Toyo University', where he highlighted the university's role in shaping the global educational environment.

Vice President for Academic Affairs, Professor Sawaguchi, presented a lecture on 'Japanese Higher Education System and Quality Assurance at Toyo University', which highlighted the basic principles of quality assurance and the role of innovation in the educational process. The university professors demonstrated the practical implementation of artificial intelligence through an interactive installation in the form of a monument-bust of the university founder. This installation is AI-powered. Anyone can ask it any question, and the system instantly provides an answer.

This demonstrates the wide potential of using artificial intelligence, which can be adapted to many industries. The internship at Toyo University was an invaluable experience. Getting to know the research of Japanese scientists allowed us to expand our knowledge of the possibilities of applying artificial intelligence in modern journalism and understand the challenges facing this industry.