



International Intellectual
Property Training Institute



Korean Intellectual
Property Office



WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

WORKSHOP

ORIGINAL: ENGLISH
DATE: NOVEMBER 24, 2023

WIPO-KIPO Interactive Online Workshop on AI & IP

organized by
the World Intellectual Property Organization (WIPO)

and
the International Intellectual Property Training Institute (IIPTI) of the
Republic of Korea

with the assistance of
the Korean Intellectual Property Office (KIPO)

Daejeon (Republic of Korea), from December 4 to 8, 2023

PROVISIONAL PROGRAM

prepared by the WIPO and IIPTI

Monday, December 4, 2023 – Day 1: AI and Related Issues

- 14.00 – 14.10¹ **Opening Ceremony**
- Welcome addresses by:
- Mr. Tae Eung KIM, Dean, The International Intellectual Property Training Institute (IIPTI), Daejeon, Republic of Korea
- Mr. Kui Wou KWUN, Director-Advisor, Management, Strategic Planning and Coordination, WIPO Academy, Geneva, Switzerland
- 14.10 – 15.35 **Session 1 Advancements in AI and the Rise of Generative AI**
- Speaker: Dr. Byoung Pil KIM, Practice Professor, Graduate School of Innovation and Technology Management, College of Business, KAIST
- Content: An overall concept covering artificial intelligence, its history of development, and the recent emergence of generative artificial intelligence
- 15.35 – 15.55 Break
- 15.55 – 17.20 **Session 2 Artificial Intelligence and Its Impact on Human Rights**
- Speaker: Ms. Yoojin KIM, United Nations Human Rights Office (OHCHR)
- Content: Societal and human rights impacts stemming from AI systems: risks (including bias and discrimination) in various sectors and on the enjoyment on both civil and political rights as well as economic, social and cultural rights. This would also cover bias (i.e. in the employment context), disinformation, and recent AI debates.
- 17.20 – 17.30 Break
- 17.30 – 18.00 **Group Discussion**

Tuesday, December 5, 2023 – Day 2: IP Issues and Copyright Issues

- 14.00 – 14.45 **Session 3 AI-Driven Disruption: Recent IP Challenges**
- Speaker: Ms. Ulrike TILL, Director, IP and Frontier Technologies Division, WIPO
- Content: Overview of the IP issues triggered by AI and the WIPO's conversation on AI and IP
- 14.45 – 15.10 Break

¹ The time is Korea time. Geneva time is from 06:00 to 10:00 am.

15.10 – 16.40	Session 4	From Algorithms to Ownership: Copyright, Data, and Unfair Competition Challenges in the AI Era
	Speaker:	Mr. Gyuho Lee, Professor of Law, School of Law, Chuang-Ang University
	Content:	Exploring copyright issues related to AI, with a focus on generative AI, as well as the complexities of data, including training data and unfair competition challenges
16.40 – 17.00	Break	
17.00 – 18.00	Group Discussion	

Wednesday, December 6, 2023 – Day 3: Industrial Property and AI

14.00 – 15.30	Session 5	Redefining Patents: How AI Alters the Inventor Landscape
	Speaker:	Ms. Mijeong PARK, Deputy Director, KIPO
	Content:	Delving into crucial topics such as the ongoing debate surrounding AI inventorship (ownership), and evolving examination criteria for AI-driven inventions
15.30 – 15.50	Break	
15.50 – 17.20	Session 6	Trademark and Design Issues in the Age of AI
	Speaker:	Mr. Jihoon KIM, Deputy Director, KIPO
	Content:	Examining the authorship/ownership and copyright-related concerns in the context of AI, with the possible inclusion of Metabus issues
17.20 – 17.30	Break	
17.30 – 18.00	Group Discussion	

Thursday, December 7, 2023 – Day 4: AI Systems for IP Business

14.00 – 15.30	Session 7	Innovations in IP: Harnessing AI for Business Advantage
	Speaker:	Mr. Jihoon KIM, Lead Business Solution Consultant, Clarivate
	Content:	Exploring the practical applications of AI within the business sector, highlighting its transformative role in intellectual property
15.30 – 15.50	Break	

15.50 – 17.20	Session 8	Efficiency of IP offices: AI in IP Administration
	Speaker:	Mr. Michal ZIEMSKI, Senior Machine Learning Specialist, Advanced Technology Applications Center (ATAC), Global Databases Division, WIPO
	Content:	A comprehensive overview of the ways in which AI is enhancing the efficiency of IP office administration
17.20 – 17.30	Break	
17.30 – 18.00	Group Discussion	

Friday, December 8, 2023 – Day 5

Facilitator: Mr. Soohyuk CHOI, Deputy Director, KIPO

14.00 – 14.50 **Group Presentations and Discussions I**
Exploring AI's Impact: Group Insights

14.50 – 15.00 Break

15.00 – 15.50 **Group Presentations and Discussions II**
Exploring AI's Impact: Group Insights

15.50 – 16.00 Break

16.00 – 17.00 **Wrapping It Up: Final Thoughts and Discussions**

17.00 – 17.05 **Evaluation & Closing**

Closing remarks by:
Mr. Andrew Michael ONG, Director, Division for Asia and the Pacific, WIPO

[End of document]

Topics for group discussion on AI & IP

1. AI in the Workplace: How can we adapt to the rise of AI to ensure job security and human-AI collaboration?

- This topic explores the evolving role of AI in the workplace. Participants can discuss strategies to adapt to the increasing integration of AI technologies, including upskilling the workforce, identifying tasks suitable for automation, and fostering collaboration between humans and AI. Considerations about job displacement, job creation, and the changing nature of work in the AI era can also be addressed.

2. AI and Regulatory Challenges: Discuss the regulatory challenges posed by AI technologies.

- AI, with its rapid evolution and widespread adoption, has transformed industries, economies, and society as a whole. However, its proliferation has also raised numerous regulatory concerns and complexities that demand careful consideration. Some people even called on pause for AI development early this year. Participants can discuss a multitude of regulatory challenges posed by AI technologies.

3. Defining AI Creativity: Should AI-generated content be attributed to AI itself, and does it need a form of authorship recognition?

- This topic delves into the question of who should be credited for creative works generated by AI systems. Participants can debate whether AI should be recognized as a creator and the implications of such recognition on intellectual property and copyright laws. Discussions may also touch upon the concept of AI's role in augmenting human creativity.

4. Data Ownership and Copyright: Discuss strategies for safeguarding copyright interests in the data used to train AI models.

- This topic explores the intricacies of data ownership in the context of AI. Participants can examine how data used to train AI models should be protected under copyright law. Considerations may include data licensing, fair use, and the rights of data providers and AI developers in the data-driven ecosystem.

5. AI and Patent Proliferation: Implications for the Patent System and IP Office Adaptation

- Participants can discuss the evolving definition of inventiveness, the ethical implications of AI inventorship, the need for specialized patent categories, and the role of human experts in AI-driven patent examination.

6. Global AI Equity: What steps can developing countries take to bridge the AI capacity gap and ensure equitable access to AI technologies?

- Here, participants can discuss strategies for leveling the playing field in AI development. This includes addressing challenges such as access to AI education, technology transfer, research collaboration, and creating a conducive regulatory environment for AI innovation in developing countries.

7. AI & trolley dilemma with related legal issue: While an autonomous driving vehicle (AV) drives the car, and it detects a jaywalker ahead of the street. The pedestrian will die if it goes straight, and the passenger will die if it turns right to save the pedestrian. What choice should the autonomous driving AI make between the two above?

- This topic applies the trolley dilemma to AV and deals with the issue of choosing who to prioritize between passengers and pedestrians. Participants can discuss the pros and cons of each choice of AI and explore what the ethical issues and related legal issues of AI will be.

8. AI and Privacy Concerns: Explore the privacy issues of AI services.

- Participants can discuss the privacy implications of AI systems, particularly in areas such as data collection, facial recognition, voice assistants, and surveillance. They can delve into the balance between AI-driven services and individual privacy rights, examining regulatory approaches and best practices.

9. Infringement of AI intellectual property rights and legal liability: When the person A uses the AI-generated contents for the one's own business, which created by AI based on the contract with AI Company, who would be the responsible if AI-created contents infringe the third-party's intellectual property right?

- This topic focuses on the issue of legal responsibility for who should be held accountable in the event of infringement of third party's intellectual property rights by AI-generated content. Participants can discuss the pros and cons of who is legally responsible for AI, AI user, or AI company in the event of infringement on

the above AI-created work, and explore the impact of the legal liability issue on the future direction of AI development.

10. AI in IP Enforcement: Examine the use of AI in detecting and preventing IP infringements, including counterfeiting and piracy.

- This discussion delves into the role of AI in protecting intellectual property rights. Participants can explore AI-driven solutions for monitoring and enforcing IP, including identifying counterfeit products, detecting online copyright violations, and the challenges in different jurisdictions.