

# Intellectual Property in the Digital Age Rethinking IP Law in the Era of Artificial Intelligence

Tuesday 1<sup>st</sup> October 2024  
Roma Tre University  
Law Department  
Via Ostiense 163 - Roma

SAID GULYAMOV, ANNA UBAYDULLAEVA  
(Tashkent Stat University of Law)



International Institute for Global Analyses

Vision & Global Trends. International Institute for Global Analyses  
Piazza dei Navigatori 22, 00147 – Rome (Italy)

The views and opinions expressed in this publication are those of the authors and do not represent the views of the Vision & Global Trends. International Institute for Global Analyses unless explicitly stated otherwise.

© 2024 Vision & Global Trends - International Institute for Global Analyses  
© 2024 **Said Gulyamov, Anna Ubaydullaeva**

First Edition: October 2024

Seminar Publications Series – N. 06/2024 – ISSN 2704-8969

[www.vision-gt.eu](http://www.vision-gt.eu)  
[info@vision-gt.eu](mailto:info@vision-gt.eu)

# Intellectual Property in the Digital Age

## Rethinking IP Law in the Era of Artificial Intelligence

Tuesday 1<sup>st</sup> October 2024  
Roma Tre University  
Law Department  
Via Ostiense 163 - Roma

SAID GULYAMOV, ANNA UBAYDULLAEVA



Vision & Global Trends - International Institute for Global Analyses

# INTELLECTUAL PROPERTY IN THE DIGITAL AGE RETHINKING IP LAW IN THE ERA OF ARTIFICIAL INTELLIGENCE

Said Gulyamov, Anna Ubaydullaeva  
(Tashkent State University of Law)

*Abstract - The book "Intellectual Property in the Digital Age" examines the intersection of artificial intelligence (AI) and intellectual property (IP) law, addressing how AI challenges and reshapes traditional IP frameworks. This scholarly work provides legal practitioners, policymakers, and academics with insights into evolving legal paradigms and suggests reforms to accommodate the realities of the digital age. The collaboration between Uzbek and Italian scholars reflects an international approach to addressing these contemporary legal challenges, and the book presentation at Roma Tre University symbolizes a significant academic partnership aimed at influencing global legal discourse.*

*Keywords - Artificial intelligence, Intellectual property, Legal reform, AI-generated works, International collaboration, Copyright, Patent law.*

## **Introduction: The Need for a New Perspective**

With the rapid evolution of AI technologies, traditional legal frameworks struggle to keep up, particularly in intellectual property law. AI's role in creating inventions and creative works presents unprecedented challenges, as IP law has historically focused on human authors and inventors. The book "Intellectual Property in the Digital Age" aims to address these issues by examining the potential need for new legal constructs that can recognize and protect AI-generated intellectual property while still encouraging human creativity and protecting user rights.

## **Central Themes: Disrupting and Reimagining IP Paradigms**

The core question addressed in the book is whether AI systems can be legally considered "authors" or "inventors." The implications are significant, influencing economic development, innovation policies, and the future of creative industries. The existing IP laws may not sufficiently accommodate AI-generated content, raising critical questions about ownership, legal protection, and incentivization.

The book argues for adjustments to IP frameworks, suggesting new legal models that account for AI's role in the creation process while maintaining incentives for human involvement in creative activities. It also discusses AI's potential to transform IP enforcement and management through advanced capabilities in detecting infringement and managing IP portfolios, emphasizing the need to balance technological progress with ethical considerations.

## **Practical Implications and Case Studies**

The book includes case studies that explore how AI affects different areas of IP law. For example, in patent law, AI challenges the traditional definitions of "inventive step" and "person skilled in the art." In copyright law, AI-generated content raises issues about the originality and protectability of works. These discussions extend to global dimensions, advocating for international cooperation to harmonize legal standards for AI-related IP issues across jurisdictions.

### **Why Italy? The Significance of the Presentation Venue**

The choice of Roma Tre University in Italy for the book presentation reflects the importance of international collaboration in tackling global legal challenges. Italy's legal academia is renowned, making it a fitting venue for discussing the convergence of AI and IP law. The collaboration with Tashkent State University of Law (TSUL) underscores a commitment to fostering cross-border dialogue on legal reforms, particularly relevant for emerging markets like Uzbekistan. This partnership also serves as an academic bridge between Europe and Central Asia, promoting a global understanding of digital-era legal issues.

### **The Academic Partnership: Roma Tre University and TSUL**

The book presentation is part of the growing academic collaboration between Roma Tre University and TSUL, aimed at enhancing legal education and research in both countries. The institutions have previously worked together on projects related to intellectual property, international law, and digital transformation.

This partnership is expected to continue fostering dual-degree programs and joint research initiatives, thus deepening the academic and cultural ties between Uzbekistan and Italy.

### **Policy Implications and Recommendations**

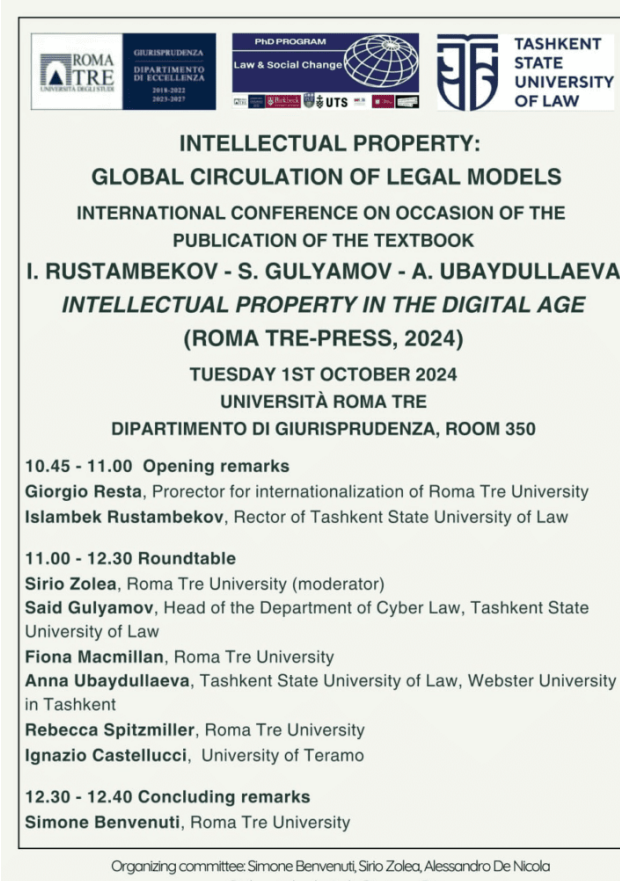
The insights from the book have significant implications for policymakers and legal practitioners. It offers concrete recommendations for adapting IP laws to the challenges posed by AI, advocating for reforms that reflect the realities of AI-driven technological advancements. By proposing new legal constructs for AI-generated intellectual property, the book seeks to influence policy development, legal education, and practices in the digital age.

### **Conclusion: Towards a More Adaptive IP System**

"Intellectual Property in the Digital Age" provides a comprehensive analysis of emerging paradigms at the intersection of AI and IP law. By addressing complex legal and ethical questions, the book aims to contribute to a more cohesive global dialogue on the future of IP law. Its presentation in Italy marks a step forward in academic and legal cooperation, with the potential to foster stronger ties between Europe and Central Asia and create more adaptive IP frameworks that thrive in an AI-driven world.

### **References**

1. WIPO (World Intellectual Property Organization). (2019). Artificial intelligence and intellectual property policy. Retrieved from WIPO website.
2. TRIPS Agreement (Trade-Related Aspects of Intellectual Property Rights). (1994). Agreement on Trade-Related Aspects of Intellectual Property Rights.
3. US Patent and Trademark Office (USPTO). Guidelines on AI-generated inventions. Available at [www.uspto.gov](http://www.uspto.gov).
4. European Patent Office (EPO). (2020). AI's impact on IP law. Retrieved from [www.epo.org](http://www.epo.org).
5. "Intellectual Property in the Digital Age" – Book Reference.
6. Thaler v. Commissioner of Patents (Australia), Thaler v. United Kingdom Intellectual Property Office (UKIPO).
7. Journal of Intellectual Property Law & Practice, Stanford Technology Law Review, Harvard Journal of Law & Technology.



**ROMA TRE**  
GIURISPRUDENZA  
DIPARTIMENTO  
DI ECCELLENZA  
1984-2022  
2023-2027

**PHD PROGRAM**  
Law & Social Change

**TASHKENT STATE UNIVERSITY OF LAW**

**INTELLECTUAL PROPERTY:  
GLOBAL CIRCULATION OF LEGAL MODELS**  
INTERNATIONAL CONFERENCE ON OCCASION OF THE  
PUBLICATION OF THE TEXTBOOK  
**I. RUSTAMBEKOV - S. GULYAMOV - A. UBAYDULLAEVA**  
***INTELLECTUAL PROPERTY IN THE DIGITAL AGE***  
**(ROMA TRE-PRESS, 2024)**  
**TUESDAY 1ST OCTOBER 2024**  
**UNIVERSITÀ ROMA TRE**  
**DIPARTIMENTO DI GIURISPRUDENZA, ROOM 350**

**10.45 - 11.00 Opening remarks**  
**Giorgio Resta**, Prorector for internationalization of Roma Tre University  
**Islambek Rustambekov**, Rector of Tashkent State University of Law

**11.00 - 12.30 Roundtable**  
**Sirio Zolea**, Roma Tre University (moderator)  
**Said Gulyamov**, Head of the Department of Cyber Law, Tashkent State University of Law  
**Fiona Macmillan**, Roma Tre University  
**Anna Ubaydullaeva**, Tashkent State University of Law, Webster University in Tashkent  
**Rebecca Spitzmiller**, Roma Tre University  
**Ignazio Castellucci**, University of Teramo

**12.30 - 12.40 Concluding remarks**  
**Simone Benvenuti**, Roma Tre University

Organizing committee: Simone Benvenuti, Sirio Zolea, Alessandro De Nicola  
@alessandro.denicola@uniroma3.it

As Uzbekistan and the other countries of Central Asia enter the global economy, there is an increasing interest in intellectual property law, and its transnational impact. Intellectual property rights are regarded as forming part of the process of transition from a socialist legal model to a system of law that supports the integration of local economies into the global market and is capable of regulating the domestic information and data economy.

Eurasian experiences of regional integration, such as the Shanghai Cooperation Organization, also enhance comparative legal responses to the technical and political challenges of the global information and data economy.

This conference demonstrates the commitment of the Department of Law at the University Roma Tre to contribute to a dialogue that supports the challenges that the Uzbek higher education system and Tashkent State University of Law are facing in this phase of the modernization process.



Vision & Global Trends - International Institute for Global Analyses

[www.vision-gt.eu](http://www.vision-gt.eu)

[info@vision-gt.eu](mailto:info@vision-gt.eu)