ЎЗБЕКИСТОН РЕСПУБЛИКАСИ
ОЛИЙ ВА ЎРТА МАХСУС ТАЪЛИМ ВАЗИРЛИГИ

ЖИЗЗАХ ПОЛИТЕХНИКА ИНСТИТУТИ

“ИШЛАБ ЧИҚАРИШГА ИННОВАЦИОН ТЕХНОЛОГИЯЛАРНИ ЖОРИЙ ЭТИШ ВА ҚАЙТА ТИКЛАНАДИГАН ЭНЕРГИЯ МАНБАЛАРИДАН ФОЙДАЛАНИШ МУАММОЛАРИ” МАВЗУСИДАГИ

РЕСПУБЛИКА МИҚЁСИДАГИ ИЛМИЙ-ТЕХНИК АНЖУМАНИНИНГ

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ОТВЕТСТВЕННЫЙ ИСКУССТВЕННЫЙ ИНТЕЛЛЕКТ: ВВЕДЕНИЕ «КОЧЕВЫЕ ПРИНЦИПЫ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА» ДЛЯ ЦЕНТРАЛЬНОЙ АЗИИ

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Аннотация: Мы считаем, чтобы Центральная Азия разработала свои собственные принципы этики ИИ, которые мы предлагаем назвать "кочевыми принципами ИИ".
Ключевые слова: ИИ, этика ИИ, Ответственный AI, Принципы AI

RESPONSIBLE AI: INTRODUCTION OF "NOMADIC AI PRINCIPLES" FOR CENTRAL ASIA

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With the rapid development and deployment of a new generation of artificial intelligence (AI) algorithms and products, AI is playing an increasingly important role in everyday life, and is having a significant impact on the very fabric of the modern society. In particular, AI models and algorithms have been widely adopted in a variety of decision-making scenarios, such as criminal justice, traffic control, financial loans, and medical diagnosis. This emerging proliferation of AI-

based automatic decision-making systems is introducing potential risks in many aspects, including safety and fairness [1].

Today, governments from many countries including Uzbekistan [2], research organizations, and companies are working on the development of AI policies and have announced their ethical guidelines, principles, and recommendations for AI. To enforce these principles in current AI systems and products, it is vital to develop governance technology for AI, including federated learning, AI interpretation, rigorous AI safety testing and verification, and AI ethical evaluation. In the last five years, private companies, research institutions as well as public sector organisations have issued principles and guidelines for ethical AI, yet there is debate about both what constitutes "ethical AI" and which ethical requirements, technical standards and best practices are needed for its realization.

Some of the famous ethical principles are fairness, reliability and safety, transparency, accountability, human centric etc. Some institutions are also introducing area specific and purpose specific ethical AI principles. Central Asia has started working on the development of AI laws and regulations [3]. Recently, Uzbekistan took the lead among other Central Asian countries by issuing a presidential decree for the development of AI. [4]Some proposals of introducing area specific AI policies have also been introduced [5].

Artificial Intelligence as technology is developing fast in Central Asian Region. In Post COVID World, it is expected to change the people's lives by improving healthcare (e.g. making diagnosis more precise, enabling better prevention of diseases), increasing the efficiency of state institutions (e-governments), contributing to climate change mitigation and adaptation, improving the efficiency of production systems through predictive maintenance, increasing the security of Central Asian, and in many other ways that we can only begin to imagine. At the same time, Artificial Intelligence (AI) entails a number of potential risks, such as opaque decision-making, gender-based or other kinds of discrimination, intrusion in our private lives or being used for criminal purposes. Against a background of fierce global competition, a solid Central Asian approach is needed, building on a Centralized AI Policy for Central Asia proposed by Ammar Younas. To address the opportunities and challenges of AI, the Central Asia must act as one and define its own way, based on Asian values, to promote the development and deployment of AI[6].

We think that Central Asia should come up with its own AI Ethics Principles which we propose to name as "Nomadic AI Principles".

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мавзусидаги Республика миқиёсидаги илмий-техник анжуманнинги материаллари тўплами

1-ТОМ

(2020 йил 2 ноябрь)

ЖИЗЗАХ-2020

Ишлаб чиқаришга инновацион технологияларни жорий этиш ва қайта тикланадиган энергия манбаларидан фойдаланиш муаммолари. Республика миқиёсидаги илмий-техник анжуманининг материаллари тўплами–Жиззах: ЖизПИ, 2 ноябрь 2020 йил. 1-том. 448-бет.

Республика миқиёсида ўтказилган илмий-техник анжуман материалларида олий ўқув юртларида ишлаб чиқариш, техник, муҳандислик ва технологик тармоқларда инновацион технологияларни такомиллаштиришнинг муаммолари ҳамда уларнинг ечимларини топиш, илмий, олий таълим ва илмий-тадқиқот муассасаларининг илмий салоҳиятидан ишлаб чиқариш корхоналарининг инновацион фаоллигини оширишда кўмаклашиш, бугунги кундаги энг долзарб муаммолардан ҳисобланган қайта тикладанадиган энергия манбааларидан фойдаланиш ва эксплуатация қилиш учун рақобатбардош ҳамда малакали кадрлар тайёрлашнинг долзарб муаммолари ҳамда уларнинг ва ечимларига қаратилган.

Ушбу анжуманнинг материаллари тўпламида мамлакатимизнинг турли йўналиш ва мутахассислик олимлари, ОТМнинг профессор-ўқитувчилари, илмий тадқиқот институтлари ва марказларининг илмий ходимлари, тадқиқотчилари, магистр ва талабаларининг илмий-тадқиқот ишлари натижалари мужассамлашган.

Масъул мухаррирлар: доц. Тавбоев С.А.
Худоёров Ш.Т.

Тахрир ҳайъати аъзолари: ф-м.ф.д.,проф. Юлдашев У., п.ф.д.,Хамидов Ж., ф-м.ф.н., доц. Эшбекова С., т.ф.н., доц. Бердиев О., п.ф.б.ф.д., PhD. Асқаров И., катта ўқитувчилар Қулмуродов Д., Хасанов У., АТ маркази администратори Махкамов Ш.

Мазкур тўпламга киритилган маъруза тезисларининг мазмуни, ундаги статистик маълумотлар ва меъёрий хужжатларнинг тўғрилиги ҳамда танқидий фикр-мулоҳазалар, келтирилган таклифларга муаллифларнинг ўзлари масъулдирлар.

O`ZBEKISTON RESPUBLIKASI
OLIY VA O`RTA MAXSUS TA'LIM VAZIRLIGI

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faol ishtirok etgani uchun

Аммар Юнас

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bilan taqdirlanadi

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2 noyabr 2020 yil