

Do We Need to Establish Guidelines or Basic Principles for Promoting the Use and Research & Development of AI?

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This poster session will give a report regarding the recent policy and research trends of AI and robot law mainly in Japan by reference to the necessity of proceeding with academic research regarding Robot Law including AI and the Internet of Things(IoT) and its relationship with Data Protection and Privacy.

As far as the fundamental principles of law and legal thinking are concerned, the debate over new problems involving AI and autonomous robots use may possibly spark a paradigm shift in law. Therefore, it has been thought that it is necessary to begin discussions and considerations toward formulating international guidelines or principles for promoting the use and Research & Development of AI.

The possibility of an AI running out of control and posing a danger to humans has been noted as one of the potential threats posed by robots that are becoming more and more autonomous. AI and autonomous robots may well be able to realize the creation and development of a totally new, and as yet unknown, set of social and legal systems which will have to be used successfully on a daily basis in the real world. Such new AI society where personal data will be put to a sophisticated use under IoT, advances in data analytics by machine learning make it possible to identify particular person or infer sensitive information including those from unexpected sources. The misuse of AI can affect core values and principles, such as individual autonomy, privacy and may have a broader impact on society as a whole. Therefore, we have to consider carefully all of these potentially serious problems in order to secure safe procedures for their use in a potentially very different and new, human environment.

Some recent Japanese governmental efforts should be heightened in terms of developments of AI technologies. Ministry of Economy, Trade and Industry issued “Guidelines on Contracts concerning the Use of AI and Data” on June 15th, 2018. This guidelines aim at facilitating conclusions of appropriate contract clauses among businesses by exploring legal issues on software developments and uses, including intellectual properties, anti-competition, and international disputes. Another effort comes from the Institute for

Information and Communications Policy of the Ministry of Internal Affairs and Communications. It issued “AI Network Society Promoting Committee Report in 2018: Toward Facilitating AI Usages and Sound Developments of AI Networks” in July 2018. The Committee proposed “The Draft Principles on the Use of AI.” This draft principles are composed of 10 principles: Proper Use of AI, Appropriate Data Learning, Interoperability, Safety for People, Security for AI Systems and Services, Privacy Protection, Human Dignity, Fairness for Individuals, Transparency, and Accountability. They are based on the notion of “human centered society”.