Blockchain and Artificial Intelligence
~Information Management Platform for the Next Generation~

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Abstract. This talk introduces Blockchain and Artificial Intelligence as an information management platform for the next generation, where various intelligent services are to be placed. First, we consider the Blockchain as a genuinely distributed and scalable database technology, rather than for the Cryptocurrency. Then, we consider the Artificial Intelligence as a standardized set of computational tasks necessary to perform those intelligent services, e.g. inference, reasoning, learning, and tuning. Last but not the least, we introduce some applications impactful in our social lives, e.g. Robotics, Authentication, Cashless Finance, and Health Records. If time permits, some open source blockchain platform for prototype is introduced.

Biography: Atsushi Inoue is specialized in Artificial Intelligence at large and Fuzzy Logic in specific. He earned his Ph.D. in Computer Science and Engineering at the University of Cincinnati (USA). He has been affiliated with top-notch industries and institutes in several countries, including Hitachi Ltd. (Japan) and Carnegie Mellon University (USA), for his specialties. He is currently home at Eastern Washington University to enjoy his life with his family in the beautiful evergreen, while serving as a Full Professor of Information Systems and Business Analytics and the Director of the Intelligent Informatics Initiative (I3). He is the Chief Technology Officer, and the Global R&D Leader of the BaaSid Lab., the multinational project across seven countries -- Japan, S. Korea, Taiwan, Singapore, China, Australia, and USA since 2018. Web: http://www.inoueatsushi. net/, https:// www.baasid.com/