

International Conference on
APPLIED PHYSICS AND MATHEMATICS

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World Congress on
MATERIALS RESEARCH AND TECHNOLOGY

October 22-23, 2018

Tokyo, Japan



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Foresight for things in future digital society – Artificial intelligence, autonomous vehicle, and IoT-World

The accelerated development of digital and ICT technologies is bringing about rapid changes in society. Autonomous vehicles, artificial intelligence, and the IoT, which have been developing at a rapid pace in recent years, will greatly affect future society. We will examine the impact of various digital objects on society and examine what problems are facing them. The development of artificial intelligence greatly improves the intelligence, autonomy, and humanization of things. The development of object intelligence also predicts the emergence of various autonomous machines. We discuss three paradoxes (Moravec's paradox, Polanis' paradox, Lee's paradox). Why is artificial intelligence difficult to evolve

into super artificial intelligence? Autonomous vehicles are autonomous machines that are the closest to practical use. I present the changes in future society and the ethical and philosophical problems that autonomous vehicles will bring. With the development of the Internet of Things, we examine the possibility of the appearance of Things Sapiens in the future and the impact of the Internet of things on future society. Technology accelerating phenomena make things more difficult to predict in the future. Can we predict the unknown things that will emerge in the future? We will discuss how to cope with changes in future society, change of future jobs, and attitude of future society.

Biography

Jae Woo Lee is the Professor of the Department of Physics, Inha University, South Korea. He is actively engaged in statistical physics and complex science. His field of study is theoretical statistical physics and computer simulations of self-organizing critical phenomena and complex phenomena in various complex systems. His recent researches are on social physics, econophysics, network science, self-organized criticality of neural network, and futures studies. He and his coworkers investigate the self-organized criticality of neural avalanches by computer simulation and also studying the structure of change of future society in technology-accelerating society by using complex science.

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