

Report on the 7th Michael Nobel Sustainability Technology Symposium

Date: November 21, 2018

Venue: Teshima Conference Room, Tokyo Tech Front, Tokyo Institute of Technology, Tokyo, Japan

Theme: EV and Battery Technologies in Support of Global Sustainability

Recently automotive industries seemed to shift their strategy to put more emphasis on electric vehicles (EV), especially in Europe and China, in order to clear environmental problems they have been facing. If EV production grows as they expect, automotive industries would drastically change in the near future. We discussed how transportation system could change caused by electrification of vehicles including cutting-edge battery technology of all-solid-state lithium ion battery technology.

At first, Mr. Kato, Chairperson of TeFFA, delivered a message from Dr. Nobel, because he could not participate in the symposium caused by a traffic constraint on the way to Japan.

Mr. R. Kumar Kaura gave an unscheduled talk concerning status of Indian industries, and a hope for technology collaboration with Japan.

Dr. Noboru Sato, Guest Professor of Nagoya University, made a lecture on “Automobile Electrification and Advanced Battery Technology”. He presented extensively about EV and battery industries including ZEV (zero emission vehicle) regulation in California and current situation of the industries.

Haruyoshi Kumura of Nissan Motor Co., Ltd. presented on “New Era of Intelligent Mobility pioneered by Electrification and Vehicle Intelligence”. He explained Nissan’s strategy on electrification and intelligence technology for automobiles.

Professor Kanno of Tokyo Institute of Technology had an award ceremony on this day, therefore, he participated on video presenting “Development of All-solid-state Battery” Professor Ikematsu assisted his presentation. He discussed on the cutting-edge technology research on all-solid-state battery including its prospect for commercialization.

The panel discussed on the possibility of international collaboration jointly with Mr. Kumar of India who participated in the symposium.

