

## Report on the 8<sup>th</sup> Michael Nobel Sustainability Technology Symposium

Date: November 14, 2019

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

Theme: Reuse and Recycle Technology

Recently threats to the environment of our planet is rapidly increasing. Modern agriculture use too much fertilisers which released into the lakes and oceans produces poisonous algae blooms, the air in some cities like Beijing and New Delhi are so bad that it causes serious health problems and even premature death of many of the inhabitants, methods for purifications such as reverse osmosis of ocean water is expensive and inefficient, plastic garbage is inundating the oceans causing severe pollution and fish death, a global rise in temperature is melting the ice caps leading to flooding of low laying land and so on.

In this symposium, we put focus on the Reuse and Recycle Technology in order to control such threats. We discussed on the advanced approaches in EU and Nordic countries, 3R (Reduce-Reuse-Recycle) strategy promoted by Ministry of the Environment, Japan, psychological analysis on consumers' recycling behavior (Tokyo Institute of Technology), leading-edge technology of incineration associated with power generation (Hitz), reuse and recycle business of PV panels (NextEnergy and Resources Co., Ltd.).

Prior to the symposium, we visited the most advanced incineration plant at Sugunami, Tokyo.

