CLUSTER
Cooperative Link of Unique Science and Technology for Economy Revitalization

NAGOYA
(Trial)

The Cluster of Innovative Production System by Nano-Technology in Nagoya

Outline of the Project

Nagoya University originally developed the plasma diagnosis, which measures atomic and molecular densities inside the reaction space. For this original technology we develop the smart sensor for measurement and nano-patterning. Then we will develop the intellectual production device, which can produce nano-order scale product autonomously. For this device, we can produce super-micro processing, super-high sensitive sensor and high functional catalyst. As multiplied effect, energy and raw materials can be decreased. For this research and development, we accomplish the environment-friendly production system.

Members of the Headquarters

○President…… ISHIMARU Tsuneo (Director of Aichi Branch, Japan Institute of Invention and Innovation)
○Project Director…… TAKENAKA Osamu
○Research Director…… MARUSE Susumu (Executive, Trustee of Meijo Univ. / Prof., Emeritus of Nagoya Univ.)
○Science and Technology Coordinator… SOMA Takao

Central Project Organization

Aichi Science and Technology Foundation

Core Institute(s)

Nagoya Univ.
Nagoya Institute of Technology

Participants

Industry…Toyota Central R&D Labs., Inc., SINANEN ZEOMIC CO.,LTD., Osaka Vacuum, Ltd., Nippon Sanso Corporation, Nikon Corporation, Tokyo Instruments, Inc., NIPPON LASER & ELECTRONICS LAB., KATAGIRI ENGINEERRING CO.,LTD.

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