## MITSUDA LAB.

## [Fabrication of Carbon Allotropes Films]

Department of Materials and Environmental Science

Inorganic Plasma Syntheses

## Department of Materials Science

http://www.ips.iis.u-tokyo.ac.jp/



FePd nanodots with diameters of a few tens of nm were formed through the deposition of Fe seeding layer and Au agglomeration layer on a single crystalline MgO substrate. AFM image and X-ray diffraction pattern show oriented crystals and an uniform size of the FePd dots.



simulation

were achieved on a glass by controlling oxygen and Sn flux during the film deposition



with a Nd-YAG laser. The base

pressure reaches 10-7 Pa