

CAMT Seminar

“Fundamentals and applications of low pressure plasma polymerization of cyclopropylamine”

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Location: Main Conference Room (1st floor), Bldg. A12
Center for Atomic and Molecular Technologies (CAMT)
(A12 棟 1 階会議室)

Abstract

We have demonstrated previously successful bioapplications of cyclopropylamine plasma polymers prepared in capacitively coupled discharges. The versatility of the process obtained by changing the plasma conditions (floating or RF biased substrate, pressure, RF power, pulsing) was demonstrated by varied chemical structure reflected in the film functional properties. The present work provides insight into the process of plasma polymerization gained by the combination of plasma diagnostics tools (electrical measurements, retarding field energy analyser, mass and ion spectrometry, optical emission spectroscopy) and molecular dynamic simulations.

(Host: Satoshi Hamaguchi Ext:7913)