

[Display Technology]
**Room-temperature Fabrication of Electron-emitting
films using Nano-Diamond-Particles.**

By Akio HIRAKI,
Kochi University of Technology, JAPAN

Abstract

Using nano-diamond-seeding method, developed by the authors research group, combined with diamond or carbon overlayer coating by Magnet-active plasma CVD and Cathodic-arc techniques, room-temperature fabrication of good electron-emitting carbon-films has been successful.

Therefore, the films can be deposited onto even glass substrates to allow for the films to be easily applied for many industrial purposes.