



Contribution ID: 291

Type: Poster

Diamond-like carbon films prepared by RF magnetron sputtering

Wednesday 24 May 2017 15:45 (15 minutes)

Diamond-like carbon thin films were prepared by RF magnetron sputtering. Different deposition conditions were experimented. The main variable parameters were the argon flow rate, RF power and bias voltage. The carbon films were characterized by photoemission spectroscopy and soft X-ray absorption spectroscopy. In this report, the results from the measurements will be reported and discussed.

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Session Classification: Poster Presentation I

Track Classification: Surface, Interface and Thin Film