



St. Francis Institute of Technology
Department of Information Technology
Colloquium, "I.T. for Society 2019"

//Title// eg. Simple Model of Graphite and its Applications in Superlattice

//Name of the Participants// eg. W.T.Pong, C. Durkan

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//Abstract// eg. Scanning probe microscopy investigations have extensively used graphite as a substrate due to its chemical inertness and ease of cleaving. The atomically flat surface of graphite has provided an ideal platform for surface scientists to deposit various kinds of materials of interest for imaging and examining. The natural graphite surface is also worthy of further understanding as it consists of a variety of defects [1], among which superlattice structure is reported to be found on graphite surfaces, and its origin is not yet completely understood [2].

//References//

[1] W.T. Pong, C. Durkan, J. Bendall, "*Observation of Large-Scale Features on Graphite under Scanning Tunnelling Microscope*" 12th International Colloquium on Scanning Probe Microscopy in Shizuoka, Japan 2004.

NOTE:

Abstracts must include sufficient information about the nature and significance of the topic, the adequacy of the investigative strategy, the nature of the results, and the conclusions. The abstract should summarize the substantive expected results of the work.

Abstract should follow these guidelines:

- In Microsoft Word format
- In Times New Roman font, size 12
- No more than 300 words in length
- Single-spaced and a single paragraph