

Abstract Submitted
for the MAR08 Meeting of
The American Physical Society

Low-temperature characterization of organic conducting thin films GREGORY TOPASNA, DANIELA TOPASNA, Virginia Military Institute — Conducting polymer thin films were investigated at low temperatures. We present results for such a spin coated film made of poly[2-methoxy-5-(2'-ethylhexyloxy)-p-phenylene vinylene] (MEH-PPV) which was tested for temperatures below 20 ° C. The film was probed over several cycles of cooling then heating. For each cycle the results showed a similar temperature dependent resistance. Such polymer thin films have potential applications as flexible temperature sensors.

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Date submitted: 05 Dec 2007

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