Contribution ID: **395** Type: **Poster Presentation**

Printed Transistors Based on Nanoparticulate Silicon

Tuesday, 10 July 2012 17:30 (2 hours)

Abstract content
   (Max 300 words)

Silicon based transistors have been produced on paper and other flexible substrates, using standard screen printing techniques. Production is performed at room temperature, without the use of a clean room and with no post processing. The active layers are composed of nanoparticulate silicon, which was produced by milling electronic-grade silicon wafers. We describe the production processes and present an analysis of device performance.

Apply to be
 consider for a student
   award (Yes / No)?

Yes

Level for award
 (Hons, MSc,
   PhD)?

PhD

Main supervisor (name and email)
and his / her institution

David Britton <david.britton@uct.ac.za>

Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

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