Contribution ID: **95** Type: **Poster Presentation**

Synthesis and characterization of magnetron sputter deposited Ge-nanowires.

Tuesday, 9 July 2013 17:40 (1 hour)

Abstract content
   (Max 300 words)

Ge nanowires were synthesized on Si<100> substrates using Ag as a catalyst. The catalyst seeds were sputter deposited on the Si substrate at 2 exp-2 Torr and thereafter Ge was deposited. The catalytic effect of Ag to form nanowires of Ge was tested by looking at the samples using both SEM and AFM. Rutherford Backscattering Spectrometry (RBS) was also used to characterize the samples.

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

Yes

Level for award
 (Hons, MSc,
   PhD)?

MSc

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

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

Yes

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