PhD Position

Electrical properties of low dimensional semiconductors

The goal of this thesis is to analyse and determine the electrical properties of materials and nanometric devices based on III-V nitrides and wide-gap oxides (e.g. ZnO), of great interest world wide because of their applications for transistors and solid state light emission. To achieve this goal and advanced automated electrical measurement and analysis system will be setup and developed. The nanometric devices based on these materials will be realized by means of nanotechnology processing techniques, including nanolithography, reactive ion etching, and atomic force microscopy.

BACKGROUND
- B.S. in Physics, or Electrical/Material Science/Telecommunication Engineering
- Excellent academic background
- Interest on semiconductor physics, electronic devices, and nanotechnology
- Excellent team work skills

APPLICATIONS
Please email academic grades and vita, including contact information of reference professors, to:

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