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Characterisation of sol-gel fabricated p-NiO/n-ZnO heterojunction

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Zinc oxide nanorods were deposited on indium tin oxide (ITO) coated glass and silicon substrates, nickel oxide layer of 400 nm was deposited on the nanorods thereby forming a heterojunction between p-type nickel oxide and n-type zinc oxide thin films. The junction was characterised using x-ray diffraction (XRD), UV-visible spectroscopy, and scanning electron microscope. The current-voltage (I-V) characteristic of the junction was also investigated with and without ultra violet (UV) illumination.

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

Yes

Level for award
 (Hons, MSc,
> PhD, N/A)?

PhD

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

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

Yes

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