

Conference Report for 2nd Workshop on Nanotube Optics and Nanospectroscopy

To Whom It May Concern,

The 2nd Workshop on Nanotube Optics and Nanospectroscopy (WONTON 07) took place in Ottawa, Canada from 4th to 7th, June. Over 60 leading scientists from USA, Japan, Canada, France, UK, Italy, and Russia participated in this small but very high quality conference where the results presented were at the cutting edge of the field.

The format of the conference consists of series talks, given by invited and contributed speakers which were 40 and 20 minutes long respectively, as well as two poster sessions during the first and second day of the conference. The main topic covered in this conference is the detail studies on the excitons which dominate optical properties of the nanotubes. Various theoretical models were used to investigate different aspects of the excitons and it is satisfying to see some of the experimental data obtained from different spectroscopy techniques confirm with the theory although substantial amount of work still needs to be done to understand the whole picture. Other interesting topics include the medical use of nanotube devices to detect level of glucose inside human body, using nanotubes as solar cell and some preliminary work on the study of nanotubes toxicity.

My main contribution was that I gave a poster presentation at the first day of the conference, during which I had to explain several aspect of the work I had done, from the motivation to the underlying theory that we use to explain the results and also the future plans to extend the project. Audiences ranged from experts in the field of my research to people who are not familiar with photoluminescence of nanotube which is the method we used to investigate the particular work I was presenting. It was then a good practise for me to communicate with people with different levels of depth depending on their background and I think I did a satisfactory job in getting my main points through.

Overall, I think WONTON 07 was a very successful conference, in which scientists in this specific research field was given a chance to interact with each other. It was also very beneficial to me personally to be able to given the chance to present my results to the experts. Through the various talks, it was very interesting to see what other techniques are there and I have definitely improved my understanding of the field. Finally I would like to thank for the funding supports I received from IOP and Lincoln College whom made this trip possible for me.

Yours sincerely

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