Issued: November 2012

For immediate release

## Renishaw announces lucky winner of iPod touch

**Jennifer Dougan, Renishaw Inside Raman attendee, wins an Apple iPod touch**

Jennifer was picked at random from all the attendees who completed a feedback questionnaire following Renishaw’s Inside Raman seminar, held at the STFC, Rutherford Appleton Laboratory on 11th and 12th September 2012.

The Inside Raman seminar featured talks by prominent scientists on their research involving Raman spectroscopy and Jennifer was particularly keen to hear the talks focusing on tip-enhanced Raman spectroscopy, as well as see the live demonstrations run by Renishaw’s applications team.

Working as a post-doctoral research associate in the Kazarian group at Imperial College London, Jennifer uses a combined NT-MDT NTEGRA Spectra system with a fully integrated inVia Renishaw spectrometer.

Jennifer is developing applications for tip enhanced Raman scattering (TERS) spectroscopy and said “by using suitably coated AFM tips to induce an enhancement of the Raman effect in the area local to the tip, TERS allows for the nanoscale resolution of features combined with molecularly specific information. With the combined system, our group has already demonstrated the discrimination of carbon nanotube samples in both inverted1 and upright2 modes with 14 nm and 20 nm to 50 nm resolution, respectively”.

Jennifer is pictured here at the recent SCIX meeting in Kansas.

For further details about the research undertaken by the Kazarian group, visit www.imperial.ac.uk/vsci

For further details about Renishaw Raman-AFM systems visit www.renishaw.com/Raman-AFM

1 Chan, K. L. A., Kazarian, S. G. Nanotechnology, 2010, 21, 445704 (6pp)

2 Chan, K. L. A., Kazarian, S. G. Nanotechnology, 2011, 22, 175701 (5pp)

###

## Notes to editors

### Renishaw profile

Renishaw is a world leader in metrology and spectroscopy technologies, with a strong history of innovation in product development and manufacturing.

Since its formation in 1973, Renishaw has supplied companies small and large, worldwide, with innovative products that increase process productivity, improve product quality, and deliver cost-effective automation solutions.

A high level of investment in research and development (R&D) has resulted in developments across a wide range of other product areas, including Raman microscopes for the spectral analysis of materials. Historically total annual expenditure on R&D, including related engineering costs, has amounted to around 17% of turnover.

With more than 60 operations in 32 countries, and over 3,000 employees, Renishaw’s customers are strongly supported throughout the world with outstanding technical expertise and service.

### For further information

Please contact:

|  |  |
| --- | --- |
| Julia Cooper Renishaw plc Old Town Wotton-under-Edge Gloucestershire GL12 7DW UK Tel: +44 1453 523991 (direct) Tel: +44 1453 524524 (switchboard) Fax: +44 1453 523901 Email: julia.cooper@renishaw.com [www.renishaw.com/raman](http://www.renishaw.com/raman) |  |

**RENISHAW®** and the probe emblem used in the RENISHAW logo are registered trademarks of Renishaw plc in the UK and other countries. **apply innovation** is a trade mark of Renishaw plc.

Apple and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.