



## WOE Newsletter Mar 2017

This issue will share with you about Upcoming talk and Metrology.

### Upcoming talk - Not to be missed!

Want to find out more from a high technology company which won Nobel prize for their frequency comb? Why their high-precision metrology and advanced technology products are so popular among researchers? Find out more below.

# MenloSystems

Dr Manuel from Menlo Systems will be coming to Singapore. He will be giving a talk on topics like :

- Optical Frequency Comb technology
- Femtosecond laser, figure 9F Technology
- THz time domain spectrometer technology

The talk will be on 28 Mar from 2-5 pm.

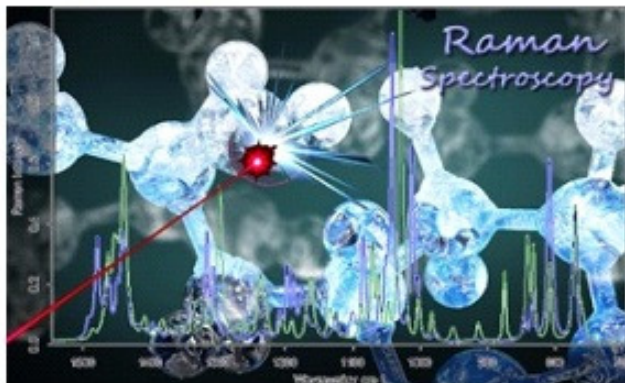
Due to limited seats available, please register before 20 Mar at [info@wavelength-oe.com](mailto:info@wavelength-oe.com).

**Register soon !**

### Metrology

#### 1) Spectroscopy

##### a) Raman Spectroscopy



- Compact and Research Grade Raman Systems for quick identification of a variety of liquid, solid, or powder samples
- Standard Raman wavelengths include 532, 785, and 1064nm with many custom options such as 405, 633, 637, 648, 830nm
- option: add-on eXtreme cooler lowers the temperature of the CCD to 30 degrees below ambient and increase in instrument S/N drastically

For more information, [CLICK HERE](#)

For spectrometers, light source and accessories only, click on the word.

##### b) StellarCA SE-LIBS System





- Portable Laser Induced Breakdown Spectroscopy (LIBS) System
- real time qualitative elemental analysis

**Applications :**

- Recycling
- Geochemistry
- Minerals
- Elemental R&D

For more information, [CLICK HERE](#)

For [spectrometers](#), [light source](#) and [accessories](#) only, click on the word.

**2) Fiber Optic Measurement Equipment - Extinction Ratio Meter**



**Features:**

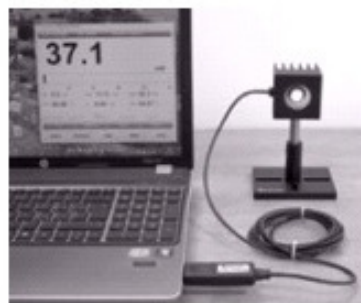
- Measures up to 50 dB polarization extinction ratios
- Very wide wavelength range: 450 to 900 nm for visible wavelength range; 850 to 1650 nm or 1800 to 2400 nm for IR wavelength range
- $\pm 0.15$  dB ER accuracy up to 30 dB
- $\pm 0.5^\circ$  angle accuracy
- 0.01 dB ER resolution and  $0.3^\circ$  angle resolution

**Applications:**

- PMC and PBS PER and coupling ratio testing
- PM fiber laser diode pig tailing
- PM fiber fusion splice testing
- Quality control and measurement
- Product development

For more information, [Click here](#)

**3) Power & Energy sensors and meters**



LaserPoint provides a wide range of products to suit different needs and requirements. You can see more details [HERE](#)

#### 4) Single Photon Counter



##### Features:

- extremely low dark count rates
- detection efficiency > 70%
- Stable count rate

##### Applications:

- Confocal microscopy
- Particle sizing
- LIDAR
- Quantum cryptography

For more information, [Click here](#)