



Metrology Around Us

Metrology

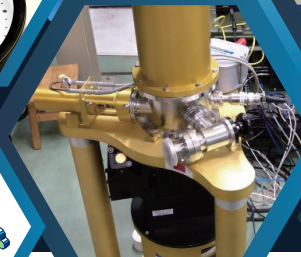
Symposium 2021

無處不在的計量學

計量學研討會 2021

Date: 28 May 2021 (Friday)
 Time: 2:30 pm to 5:15 pm
 Venue: Webinar
 Language: Cantonese (presentation slides in English)
 Fee: Free (Pre-registration is required)

日期: 2021年5月28日 (星期五)
 時間: 下午2時30分至下午5時15分
 地點: 網絡研討會
 語言: 粵語 (英文投影片)
 費用: 免費 (須要預先登記)



Metrology is the science of measurement. It covers all theoretical and practical aspects of measurements, whatever the fields and applications. In the modern society, every aspect of our life will inevitably involve metrology. For example, our mobile phones are full of sensors to measure acceleration, rotational speed, light, sound and even altitude and magnetic field. Your smart watch can measure your heart rate and blood oxygen level besides telling you the time. You purchase food from the supermarket and numerous tests have been conducted on them by analysts behind the scene. Also, in time of pandemics, metrology has come to our defense. In this symposium, we have selected several interesting topics around our daily life to share how metrology plays its role. Taking this opportunity, the recent development in the transformation of the International System of Units (SI) to the digital world led by the International Committee for Weights and Measures (CIPM) will also be reported in this symposium.

計量學是一門與測量相關的科學。它涵蓋了在不同領域和應用上的測量理論和實際方法。在現代社會中，我們生活上的每個環節都無可避免地涉及計量學。例如，我們的手機安裝了不同的傳感器，可用於測量加速度，旋轉速度，光照度，聲音甚至高度和磁場。我們的智能手錶除了可以顯示時間外，還可以測量心率和血氧水平。從超市購買的食物，背後有化驗師進行了無數的測試。在疫情中，計量學亦協助我們防禦。在本次研討會上，我們會舉出一些有趣的例子，以分享計量學如何在我們的日常生活中發揮作用。研討會還會藉此機會報告由國際計量委員會（CIPM）領導的國際單位制（SI）數字化的最新進展。



Programme of the Symposium 研討會內容

| Time 時間 | Programme 程序 |
|---------|---|
| 14:30 | Welcoming Address 歡迎致辭 Prof. Reggie CP KWAN, Provost, The Open University of Hong Kong 香港公開大學 副校長(學術) 關清平教授 |
| 14:35 | Opening Remarks 開場致辭 Ms. Jenny TT LEE, Assistant Commissioner (Finance & Quality Services), Innovation and Technology Commission 創新科技署 助理署長(財政及品質事務) 李芷彤女士 |
| 14:40 | Introductory Speech 介紹致辭 Dr. Della WM SIN, Government Chemist, Government Laboratory 政府化驗所 政府化驗師 單慧媚博士 |
| 14:45 | Guest Photo 嘉賓合照 |
| 14:50 | “Can we use a smartphone as a luxmeter?” 智能電話能否作測光之用？ Mr. Brian HT LEE, Electronics Engineer, Standards and Calibration Laboratory 標準及校正實驗所 電子工程師 李河堂先生 |
| 15:10 | “Is time running at the same rate at different places in Hong Kong?” 在香港不同的地方，時間的流逝速度會有不同嗎？ Dr. Alvis CF AU YEUNG, Electronics Engineer, Standards and Calibration Laboratory 標準及校正實驗所 電子工程師 歐陽頌輝博士 |
| 15:30 | “Chemical Metrology – Supporting the quality of life” 化學測量與生活質素 Dr. Jasmine PK LAU, Chemist, Government Laboratory 政府化驗所 化驗師 劉寶君博士 |
| 15:50 | Break and Video Session 小休與錄像環節 |
| 16:05 | “Measurements to assist in fighting pandemics” 計量學如何協助抗疫 Dr. Eric TP SZE, Associate Professor, The Open University of Hong Kong 香港公開大學 副教授 史東甫博士 |
| 16:25 | “The story of gravitational acceleration at Hong Kong, the equator and the poles” 香港，赤道和兩極的重力加速度 Mr. Raymond WM LEUNG, Electrical and Mechanical Engineer, Standards and Calibration Laboratory 標準及校正實驗所 機電工程師 梁偉文先生 |
| 16:45 | “Metrology coming to the digital age” 計量學向數碼時代邁進 Mr. Cliff SH WONG, Electronics Engineer, Standards and Calibration Laboratory 標準及校正實驗所 電子工程師 黃信豪先生 |
| 17:05 | Q & A Session 答問環節 |
| 17:15 | End of Symposium 研討會結束 |

Note: The organisers reserve the right to alter the symposium programme without prior notice.
注意:主辦方保留更改專題研討會內容的權利，恕不另行通知。