

**DAY 1 - Tuesday, 10 October 2017****TITLE: Elemental Impurities in Pharmaceutical samples following new ICH guidelines and new USP Chapters <232> and <233>**

The presence of metal impurities in pharmaceutical products have been a great concern. United States Pharmacopeia (USP) has proposed new chapters <232> and <233>, and the International Conference on Harmonization (ICH) has also proposed new guidelines for the acceptable limits of elemental impurities. ICPMS is well suited to the determination of trace elemental impurities in pharmaceutical samples by its ability to easily meet the target values and performance criteria as defined in the ICH guidelines and USP chapters.

**11:35 to 12:20, Technical Seminar Room 1**

**Speaker: Ms. Tran T. Nham from Australia | Head of Atomic Spectroscopy Group at Analytik-Jena, South East Asia Pacific**  
*Ms Tran T. Nham is the Head of Atomic Spectroscopy Group at Analytik-Jena, South East Asia Pacific. She has extensive experience with new product development as well as applications of AAS, ICP-OES and ICPMS. Tran received her Bachelor degree in Chemistry from University of Saigon, Vietnam. After settling in Australia, she completed an additional Bachelor degree in Applied Chemistry at Queensland University of Technology, Brisbane. She worked at Varian Australia for over 23 years as Principal Chemist, and 4 years at Agilent Technologies as Application Specialist.*

Company: CHEMOPHARM SDN BHD

**TITLE: Innovation with Purpose – Improving efficiency and productivity with Revolutionary LC/MS Triple Quad**

Decades of innovation have brought us into a new era of mass spectrometry with the design of Agilent's revolutionary Triple Quadrupole LC/MS. Ultivo is packed full of the same power and accuracy you'll find in the big guys but at a fraction of the size. Find out more about how this transformative mission helps to reshape expectations, reinvent capabilities, and redefine what's possible when small meets powerful.

**11:35 to 12:20, Technical Seminar Room 2****Speaker: Ms. Chong Huey Bing from Malaysia | LC/MS Business Development Manager**

*Ms Huey Bing, Agilent Technologies Malaysia, graduated with Master of Science in Biomedical Sciences from University Putra Malaysia. She began her career as a R&D chemist in a manufacturing company and later as an application manager responsible for application support of LC and LC/MS. Her current role as LCMS product specialist, responsible for pre- and post-sales activities and technical support for LC & LC/MS systems.*

Company: AGILENT TECHNOLOGIES SALES (M) SDN BHD

**TITLE: Rapid Microbiological Methods – the survival of the fittest, and what you should understand about it**

Rapid methods in microbiology is no longer new to the Malaysian food industry. With 3M Petrifilm's birth in 1984, we have seen the world subscribe to its simplicity, accuracy and cost-effectiveness. Now a whole new legion of products and systems is ready to help the industry to a new high, where they will find that 3M Food Safety system is not just a great product, but it is a provider of unmatched competitive edge over other players.

**11:35 to 12:20, Technical Seminar Room 3****Speaker: Mr. S.R. Chandraprasad from Malaysia | Country Channel Manager**

*Chandra graduated from USM, Penang - BSc (Hons) Microbiology, 2004 and 5 years post BSc research in phylogenetics. He has 13 years industry experience, in ISO17025 lab, livestock medicinal products and food and beverage manufacturing. He joined 3M Malaysia in 2012 in a technical role and since 2015, is responsible for Malaysia and Brunei business.*

Company: EMPIRE BIOSCIENCE SDN BHD

**TITLE: Back to Basic: A Glimpse of Complete Solutions**

We will have 4 self-experience stations according to analytical workflow "Sample Collection – Sample Preparation – Sample Analysis – Data Management".

**14:00 to 14:45, Technical Seminar Room 1**

Company: THERMO FISHER SCIENTIFIC

## DAY 1 - Tuesday, 10 October 2017



### **TITLE: Innovative X-Ray equipment for elemental analysis manufactured by Bourevestnik Inc.**

Information about types of X-Ray equipment for elemental analysis manufactured by Bourevestnik Inc., fields of application and main technical characteristics are described.

**14:00 to 14:45, Technical Seminar Room 2**

**Speaker: Mr. Andrey Goganov from Russia | Head of R&D Dept.**

*Ph.D. Analytical technics, program and technical solutions for elemental analysis*

Company: BOUREVESTNIK, INC.



### **TITLE: Hydrocarbon Refrigerants: Understanding & Utilizing the New Gen Refrigerant**

Hydrocarbon refrigerants are like the new millennial in the room: everyone has heard of them before but most of us are still stuck with 'Gen Y' freezers that will soon become a thing of the past. This seminar will be a guide to help you understand how this new generation came about, why they can be better than your existing freezers and how to fully utilize them without compromising your safety standards.

**14:00 to 14:45, Technical Seminar Room 3**

**Speaker: Ms. Yenn Chia Yen Khng from Singapore | Senior Manager, Panasonic Healthcare Singapore**

*Ms Yenn Chia serves as the APMEA senior regional manager in Panasonic Healthcare and has gained extensive experience of biomedical products by servicing customers for more than 10 years.*

*She is part of global planning team in Panasonic Healthcare Company that monitors global market trends and product development, and has acted as a trainer and key speaker at trainings and talks on the biomedical industry in the Asian region. Drawing from her experience and global exposure, Yenn consistently provides well-informed and insightful opinions on the biomedical product industry that participants find useful to refer to in actual workplace situations.*

Company: SCIMED TECHNOLOGIES SDN BHD



### **TITLE: Industry case study: CEM at the Prague city municipal waste incinerator**

In the European Union waste incineration is in the scope of regional requirements related to the control of the emissions to the atmosphere (regulated by the Industrial Emission Directive – IED) and it is an integral part of many national environmental strategies. Waste incinerators are often located close to areas with a highly dense population – big cities for example - where large amounts of domestic consumer waste are produced and need to be disposed of.

Effective CEM systems to monitor and control the emissions of pollutants classified hazardous for human health and the environment (e.g. sulphur dioxide, nitrogen oxides, carbon monoxide, hydrogen chloride) are critical in this application. Accurate calibration and maintenance of the CEM systems are crucial to achieve regulatory compliance and to ensure the necessary reliability of some commercial aspects that are becoming more and more relevant for this activity, such as emissions trading and operation within emissions consent levels. This paper will focus on the practices in place at the Prague city municipal waste incinerator and the relevant needs in term of calibration and instrumentation gases, in order to ensure reliable operation of the CEM systems in use. Moreover aspects of technical compliance to applicable safety standards and metrological traceability requirements will also be covered.

**15:05 to 15:50, Technical Seminar Room 1**

**Speaker: Mr. Roberto Parola from Italy | Global Product Manager Specialty Gases & Specialty Equipment , The Linde Group**

*Roberto joined The Linde Group in 2000 and has held various positions in product management and in the safety, health & environmental protection area both in Europe and Asia.*

*He is presently Global Product Manager for Specialty Gases & Specialty Equipment.*

*Roberto holds a Master of Science degree in engineering from the Politecnico di Milano, Italy.*

Company: LINDE MALAYSIA SDN BHD

## DAY 1 - Tuesday, 10 October 2017

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### **TITLE: The Next Industry Standard Gas Chromatograph**

Shimadzu always listens to their customers, and is dedicated to solving the challenges of the society. Today, Shimadzu will be introducing a more efficient, reliable and user-friendly GC made accessible to the masses. Nexis GC-2030, Shimadzu's premier gas chromatograph, offers a modern approach to a classic chromatographic technique. Designed with the users in mind, the Nexis is equipped with new innovative features, exceptional performance and high-throughput capabilities.

**15:05 to 15:50, Technical Seminar Room 2**

### **Speaker: Mr. Jackie from Singapore | Product Specialist (GC & GCMS)**

*After graduating from the National University of Singapore, Jackie has garnered over 4 years of research, training and facilitation experience. Jackie meets scientists from various industries to share technical knowledge and collect feedback, understanding their problems and helping them find well-suited solutions in GC-related analyses.*

Company: SHIMADZU MALAYSIA SDN BHD

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### **TITLE: Quality of the finest - Calibrate your UV/VIS Spectrophotometer – simple and easy**

New Calibration set EMC-SET-100 for Wavelengths accuracy and Photometric accuracy - DAkS and NIST traceable reference standards. QC and GMP/GLP conform control of UV/VIS Spectrophotometers.

**16:10 to 16:55, Technical Seminar Room 1**

### **Speaker: Mr. Klaus Englert from Germany | Vice President**

Company: EMCLAB INSTRUMENTS GMBH

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### **TITLE: Product Feature and Application of IC-2010**

TOSOH is one of the column and HPLC instrument maker in Japan. We launched the New IC instrument and column. We expect that the market and demand of Ion chromatography in SEA will increase. so in this presentation we introduce our feature of IC and application!

**16:10 to 16:55, Technical Seminar Room 2**

### **Speaker: Mr. Ryusuke Tomita from Japan | Senior Sales Manager, Tosoh Asia**

*Mr Tomita serves as the senior manager in TOSOH ASIA and has experienced about HPLC, IC, column for 10 years. He always understands the customer opinion and solve the problem.*

Company: LAB SCIENCE SOLUTION SDN BHD

**DAY 1 - Tuesday, 10 October 2017****TITLE: Mechanical Testing – “Devils is in the details”**

Mechanical testing forms an important element of quality control/quality assurance (QC/QA) program; the program that gives a 'PASS-FAIL' outcome. Good quality assurance program depends on the ability of testing systems to provide precise and accurate results. Poorly performed QC/QA program can give inaccurate test results, resulting with a lot of wastages, and subsequently erodes the profit margin of your company. The poor performance of the QC/QA test may be due to large systematic and random errors, the combinations which are the "devils in mechanical testing". These 'devil' contributed to the poor repeatability and reproducibility of the test results. "The devil is in the details" refer to a catch or mysterious element hidden in the details of testing, meaning that something might seem simple at a first look but will take extra time and effort to be comprehended and implemented.

Most Testing Laboratory considers testing as simple process, never bother to explore deeper in details. Error are consider part and parcel of the test that cannot be reduced. Mr Ng Phooi Sang from GT Instruments Sdn Bhd will attempt to show the real problems in mechanical testing, elaborating of the finer detail that are required by the standards method of test. The details that are the 'devils' in testing will be exposed and discussed. Examples will be provided.

**15:05 to 15:50 & 16:10 to 16:55, Technical Seminar Room 3****Speaker: Mr. Ng Phooi Sang & Dr Alias Othman from Malaysia | Managing Director**

*Mr. Ng Phooi Sang has a very vast experience in areas of Static Load include International test standard, Industrial Test Standard and Internal Quality Control. He has 25 years of experiences in Static Load testing field and excellent track record as a master in Static Load testing. He has given classes on the subject of static load testing to participants of different background, ranging from QC operator to Managing Director. As training goes beyond just classroom knowledge, his vast industrial experiences and know-how undoubtedly be the key differentiator as a preferred trainer. With his skilful delivery, one can expect to learn deeper understanding of advanced technical topics to be better equipped for the improved of products quality.*

Company: GT INSTRUMENTS SDN BHD

**DAY 2 - Wednesday, 11 October 2017****TITLE: Disruptive microspectroscopy systems for all Labs, from teaching to research**

Microspectroscopy systems are gaining popularity in the Research and Industries. Its ability to measure, without sample preparation, micro-scale samples, particles or features and allow quick and easy identification is proving to be critical for many applications. Training and equipping students (our scientist of the future) in this technique and, at the same time, being able to use the same system for research with its demand on sensitivity is a common dilemma and trade-off faced in many Universities or even advanced High Schools. With current commercial systems costing more than a hundred thousand dollars, adoption in many labs is slow. A disruptive offering is needed to allow the wider adoption micro-Raman technology is destined for.

This seminar will highlight two main products, namely uRaman and uSight-2000 UV-Vis-NIR Microspectroscopy system. For uRaman, Eddie will highlight its features, specification along with the applications that the system has been employed. The uSight-2000 system provides user the capability to carry out UV-Vis-NIR reflectance, absorbance and transmittance measurement at micron level spatial resolution. When coupled with the uRaman on the same system, the entire system empowers users with the capability to carry out Raman and UV-Vis-NIR spectroscopy of the same sample at the same point.

**10:30 to 11:15, Technical Seminar Room 1****Speaker: Dr. Eddie Tan from Singapore | Scientist , Technospex Pte Ltd**

*Dr. Eddie Tan received his Ph.D. in 2007 from Nanyang Technological University Singapore. He then did his post-doc training with University of St. Andrews, Scotland working on cancer detection and mapping with Raman spectroscopy. He then moved to Massachusetts General Hospital, Boston to work on Pulmonary imaging with optical coherence tomography before returning to Singapore to develop the uRaman microspectroscopy system.*

Company: RGS CORPORATION SDN BHD

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**TITLE: Innovations in Mass Spectrometry: Exciting Current Advances from Waters**

For over 50 years, Waters has developed innovative analytical science solutions to support customer discoveries, operations, performance, and regulatory compliance. In this seminar, we would be introducing a novel ion source for ionization of a broader range of compounds within a single analysis and new data independent acquisition mode which provides quantitative QToF MS/MS data at UPLC speeds, even when compounds have perfect coelution and samples are complex.

**10:30 to 11:15, Technical Seminar Room 2****Speaker: Ms. Davina Law Stewart from Malaysia | Senior MS Business Development Specialist - South East Asia**

*Davina has over 10 years of experience in chromatography and mass spectrometry industry. Currently, she's supporting the business development of Waters Mass Spectrometry in South East Asia region and delivering training and solution consultations to customers in Food & Environmental, DMPK, BA/BE, Clinical Diagnostic and Forensic Toxicology markets.*

Company: WATERS ANALYTICAL INSTRUMENTS SDN BHD

**DAY 2 - Wednesday, 11 October 2017****TITLE: Latest advances in the Analysis and Characterisation of Powder Processing Systems**

Here we consider equipment for powder testing, where analytical solutions range from the very simple to the relatively sophisticated, and where the price varies accordingly. This brings into focus the question of what a powder tester can deliver in terms of economic benefit and, specifically, is it worth investing in a more sophisticated, but more expensive system? This seminar is intended to help anyone who needs to assess the value of investing in powder testing technology.

It addresses the following questions:

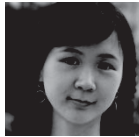
- What makes powder test data valuable?
- How does powder testing deliver an economic return?
- How can I identify ways in which powder testing might deliver economic gains with respect to my specific process operations or product development cycle?
- Can I put a figure on any potential gains, and if so, how?

**10:30 to 11:15, Technical Seminar Room 3**

**Speaker: Mr. Nicholas David Grantham from United Kingdom | Managing Director**

*Before joining Nexus Analytics Nick served Research Instruments Group since 2013 as Managing Director of Malaysia and GM of the regional Analytical instruments business. Prior to that he was Managing Director of DKSH in Malaysia and Singapore for 12 years while also overseeing their technology business unit in Asia. Nick first came to Malaysia in 1992 to set up the Regional office for Malvern Instruments. Having graduated with Honours in Analytical Chemistry at the University of Hertfordshire in the UK, he and has spent his entire career within the fields of Chemical Analysis, Material Characterisation and Life Sciences, while specializing in Chromatography, Spectroscopy and Particle Characterization.*

Company: NEXUS ANALYTICS SDN BHD

**TITLE: Hitachi High Technologies Analytical Product range**

**11:35 to 12:20, Technical Seminar Room 1**

**Speaker: Dr Sherry Wu from China | Application Specialist**

*was born in 1986, Nanchang Jiangxi, China*  
*- Bachelor Graduate Nanyang Technological Univ. Singapore in 2008*  
*- PhD Graduate Nanyang Technological Univ. Singapore in 2012*  
*(Major : Materials Science and Engineering)*

*- 2012 ~ 2013, A\*STAR Singapore*

*- 2013 ~ 2014, SFU Canada*

*- 2015 ~ 2016, A\*STAR Singapore*

*- 2016 ~ Present, Techcomp*

*Research : 9 years*

*International business : 0.5 year*

Company: MECOMB MALAYSIA SDN BHD

**DAY 2 - Wednesday, 11 October 2017****TITLE: Evolve with Flexibility \_ Single Use Bioprocessing solutions**

Set up, maintenance, and cleaning of traditional bioreactor vessels and related equipment is costly and time-consuming. Single use technology is employed by pharmaceutical biomanufacturing in upstream and downstream processing and it allows for more flexibility. Although "single use" typically brings to mind a smaller scale of operation, single use technology is implemented in bioreactors with volumetric capacity spanning from a few liters to thousands of liters of reaction product. The growing adaptation of single use technology also streamlines the transportation process, as single use systems and bags are composed of advanced polymers and are lighter than traditional systems. Bioprocess bags can be used to store reagents and media suspensions. Single use technology can provide greater peace of mind by reducing potential contamination and ensuring a reaction is not damaged by extensive holding times as might be encountered in a traditional steel bioreactor system.

**11:35 to 12:20, Technical Seminar Room 2**

**Speaker: Mr. Krishna Karnati from Singapore | Strategic Product Team Leader , GE Healthcare**

*Krishna has got his postgraduate degree in Chemical Engineering, National University of Singapore and EMBA from Aalto University, School of Business, Singapore campus. He has more than 10 years experience in pharmaceutical and biopharmaceutical industry and worked with various MNCs including GSK and Baxter (Baxalta) Biosciences. He joined GE Healthcare in 2015 to lead the ASEAN Strategic product team.*

Company: CHEMOPHARM SDN BHD

**TITLE: Rotary Evaporators – Distillation has never been so easy**

IKA laboratory technology offers a wide range of innovative equipment such as magnetic stirrers, mixers, overhead stirrers, shakers, homogenizers, mills, rotary evaporators, chiller, immersion circulator, ovens, calorimeters, laboratory reactors and specially designed software for numerous applications in research and development. Market leaders trust our proven technology for their mixing, heating, distilling, crushing and analytical applications. During this presentation, we will be sharing with you on how simple and handy it is to run your sample distillation or evaporation by IKA Rotary Evaporators.

**11:35 to 12:20, Technical Seminar Room 3**

**Speaker: Ms. Amber Ong from Malaysia | Product Specialist – South East Asia**

*Product and Application Support: Distillation, Separation, Reaction, & Precision Temperature Control Laboratory Technology*

Company: LESOSHOPPE SDN BHD

**TITLE: Laboratory fume hoods: a critical safety issue, but largely ignored!**

To create awareness and better understanding about the chemical risk in laboratory and the related Good Laboratory Practices. To introduce safety requirements for ducted and ductless fume hoods and the necessity to comply with stringent standards. To highlight the importance of chemical storage cabinet and additional safety solutions to ensure safer working environment.

**14:00 to 14:45, Technical Seminar Room 1**

**Speaker: Mr. Ted Pitiot from France | Regional Sales Manager**

*Ted teaches companies in Southeast Asia how to stay protected from chemical inhalation and increase awareness about Good Laboratory Practices. As a molecular filtration expert for Erlab, he helps companies create a safer, cleaner and energy-efficient laboratory space.*

Company: ERLAB SOUTHEAST ASIA SDN BHD

**DAY 2 - Wednesday, 11 October 2017****TITLE: Upgrading Traditional Dry Rubber QC Test by the Dynamic Test**

RPA2025QC is newly designed for QC by testing processability of rubber materials on workshop to upgrade traditional cure test and Mooney Viscosity test, which is complied with ASTM D5289 and ASTM D6204. The Dynamic test for QC can make quick decision to release batches of not for improving processing quality, saving production cost and raising test efficiency.

**14:00 to 14:45, Technical Seminar Room 2**

**Speaker: Mr. Xu Ming from Shanghai, China | General Manager for Shanghai Ziemon Robot Co., Ltd.**

*Mr. Xu Ming, the General Manager of Shanghai Ziemon Robot Co., Ltd., was graduated from Shanghai Jiaotong University, specializing in the rheological application for over 20 years.*

Company: REVOLUTION SDN BHD

**TITLE: ISO/IEC 17025 Laboratory Management System**

Compliance with ISO/IEC 17025 Laboratory Management System requirements is important for a laboratory to sustain its integrity, confidence, accuracy, reliability and traceability. Therefore, the laboratories are required to understand the key area of the laboratory management to enable effective control of the laboratory processes and performances.

**14:00 to 14:45, Technical Seminar Room 3**

**Speaker: Ms. Yong Bee Chee from Malaysia | Managing Consultant / Trainer**

*Ms. Yong is HRDF registered trainer under PSMB. She provides related training and consultation for Management System such as ISO/IEC 17025, ISO 9001, ISO 14001, OHSAS 18001 and etc. She is an IKM registered Chemist with previous working experience as Laboratory's Quality and Technical Manager, and DOSH registered CHRA Assessor.*

Company: CSQ ANALYTICS SDN BHD

**TITLE: Moisture related problems and solutions for Imaging equipments and rooms**

Obvious reasons and needs for air quality control for Imaging Equipments and Rooms. Everyone knows that excess moisture in a room pose a major threat to protecting expensive equipments from mold and mildew. Imaging techniques such as radiography, computed tomography (CT), magnetic resonance imaging (MRI), ultrasonography, and radiation therapy are all subjected to costly maintenance and downtime when they are not kept in a proper and designed environment. Different types of dehumidification solutions.

**15:05 to 15:50, Technical Seminar Room 1**

**Speaker: Mr. Eddy Hoo from Malaysia | Sales Manager (Central)**

*Eddy Hoo is a Senior Manager of the Sales Team from the head office in KL. He has vast experience in air treatment systems including kitchen emission control, dehumidification, humidification and ventilation, having been with AAQ since 2001. Eddy later left and was involved in the anti-static and electronic industry until 2014 when he was drafted back. Eddy Hoo is a member of AAQ Technical Innovation Team.*

Company: APPLIED AIR QUALITY SPECIALISTS SDN BHD

**TITLE: Quadrupole-Time-of-Flight X500R in Natural Product Studies**

Natural flora and fauna have long been used for medicinal purposes throughout Asian history for their natural therapeutic effects. There is increasing interest and need for these traditional herbal products to be archived, characterized and studied. Until lately, there has been a lack of integrated workflows and databases for such analyses. In this presentation, I will be sharing a new natural product solution QTOF platform which utilizes a powerful bioinformatic tool and MS/MS database library to deliver simplicity and confidence in identifying and confirmation of metabolic ingredients.

**15:05 to 15:50, Technical Seminar Room 2**

**Speaker: Mr. Vincent Lau, Sianglin from Singapore | Channel and Marketing Manager, ASEAN (SCIEX)**

*Mr. Vincent Lau holds a Master of Science from National University of Singapore, School of Medicine Pre-clinical; With 5 years of research, training and facilitation experience in molecular biology and proteomics-driven research. In his scope of profession, Vincent delivers technical presentations, collects voices of customers and assisting scientists to find their best-fit solutions in Mass Spectrometry technologies.*

Company: CHEMOPHARM SDN BHD



**DAY 2 - Wednesday, 11 October 2017****TITLE: Today's Revolutionary Laboratory with IMT Gas Generator**

Essentially know how and why gas generators are useful equipment in laboratory and discover the unknown why your baseline fluctuation when your gas tank almost reaches lower pressure. The application and interactive Q and A session covers for gas safety and hazard related issues and solutions. Find out why LCMS and Gas Chromatography were bound on-site gas generator.

**15:05 to 15:50, Technical Seminar Room 3**

**Speaker: Mr. T.S Lau from Malaysia | Technical Director – Asia Pacific Region**

*Graduate from M.I.T (USA). Joined IMT GasGen GmbH based in Germany since 1996, developed sound proof N2 generator 'Simplex' Series with 16 products under flagship of IMT. Proven good reliability to understand today's laboratory gas generator demand for high end N2 generator.*

Company: IMT GASGEN GMBH & CO. KG

**TITLE: Innovate with purpose: Improving elemental analysis efficiency**

Agilent Technologies is a proven leader in innovation in Atomic spectroscopy and has the distinction of introducing the first commercially available Atomic Absorption Spectrometer and bench top ICP-MS. We will be discussing three of our most exciting innovations over the last year and how they improve laboratory efficiency without compromising on analytical accuracy or precision.

**16:10 to 16:55, Technical Seminar Room 2**

**Speaker: Ms. Chow Mee Ling from Malaysia | Spectroscopy Product Specialist- Agilent Technologies**

*Ms. Chow graduated with Master of Philosophy (Chemistry) in University of Malaya. She began her career as QA/QC chemist and later as laboratory manager.*

*Ms. Chow's current role is as Spectroscopy Product Specialist for Agilent Technologies (Malaysia) Sdn Bhd and she delivers technical expertise for molecular and atomic spectroscopy solution implementation to the customer based on application, method development and technical support.*

Company: AGILENT TECHNOLOGIES SALES (M) SDN BHD

**TITLE: The way to obtain better inter-instruments agreement in color measurement**

Color is not SI unit and thus there is no reference standard. Hence, color measurement under different conditions would yield different results even for the same object. The objective of this seminar is to address the importance of measurement traceability and solutions for enhancing inter-instrument agreement in color measurement.

**16:10 to 16:55, Technical Seminar Room 3**

**Speaker: Dr. Roy Lau from Hong Kong | Manager, HunterLab (Asia-Pacific) Office**

*Dr. Lau earned doctoral degrees in both business administration and medical sciences. Besides being a researcher and lecturer in university, Dr Lau works as application specialist in business sector as well. His research interest is to explore new applications of colorimetry in various fields.*

Company: MECOMB MALAYSIA SDN BHD

**DAY 3 - Thursday, 12 October 2017****TITLE: Introducing New Freeze Dryer**

You are cordially invited to join us for a presentation prior to the launch of our newly redesigned FreeZone® Freeze Dryers. We have incorporated an android operating system with touch screen display and other exciting new features that will be previewed during the introduction session at LabAsia 2017.

**10:30 to 11:15, Technical Seminar Room 1**

**Speaker: Mr. Eric Liu from Hong Kong | Asia Regional Sales Manager, Labconco Corporation**

*Eric join Labconco Corporation in January 2016.*

*Eric has an MBA in Management from University of Northern Virginia and a Bachelor's degree in Manufacturing Engineering from Hong Kong Polytechnic University. Eric is fluent in English, Cantonese and Mandarin . Many years experience in Vacuum pump technology.*

Company: LABQUIP (M) SDN BHD

**TITLE: Novel ATP Hygiene Monitoring System, LuciPac A3**

ATP hygiene monitoring test has been employed in food industry to ensure adequate cleanliness is being maintained. Since ATP is hydrolyzed to ADP and AMP by metabolic processes and heat treatment, total adenylate (ATP+ADP+AMP) could be more reliable indicators of uncleanness derived from food residues such as raw and cooked meats, sea foods, juice and beer. LuciPac A3 appeared to be more suitable for detection of food residues, which potentially cause bacterial growth and allergen contamination, than the conventional.

**10:30 to 11:15, Technical Seminar Room 2**

**Speaker: Mr. Kenjiro Takano from Japan | Sales Representative , Kikkoman Biochemifa Company**

*Mr. Kenjiro Takano is an international sales representative in Kikkoman Biochemifa Company. He has extensive experience as technical sales on food safety test such as ATP hygiene monitoring system.*

Company: PREMIER DIAGNOSTICS SDN BHD

**TITLE: Essential of Temperature Mapping**

Good Manufacturing Practice (GMP) regulators have sharpened their focus on warehouse storage and distribution practices.

Driving this trend is a shift in regulatory thinking from quality-by-test to quality-by-design systems with emphasis on level of risk to product quality and patient safety.

A temperature mapping exercise is required for any space allocated for the storage and handling of products with a specified labelled storage temperature.

This includes freezer rooms, cold rooms, temperature-controlled storage areas, quarantine areas and receiving and loading bays. It also includes laboratories.

All mapping exercises should be fully documented in order to demonstrate compliance to management, clients and the regulatory authorities.

We will cover the steps for successful mapping. With these, it will demonstrate to the regulatory inspector that your company is GMP/GDP compliant.

**10:30 to 11:15, Technical Seminar Room 3**

**Speaker: Ms. Irene Cheong from Malaysia | Key Account Manager**

*Irene Cheong is the Key Account Manager in the Regional Office for Testo Asia and manages 3 country portfolios providing Sales, Support and Solution across industries of Food, Pharmaceutical and Health Care.*

*Irene has 10 year's experience in sales, and has worked in top global firms like Panasonic and RS Component in various sales and field applicant roles.*

Company: TECH-LAB MANUFACTURING SDN BHD

**DAY 3 - Thursday, 12 October 2017****TITLE: Liquid Chromatography System Solutions For Analyzing and Purifying Of Bio Molecules**

Fast protein liquid chromatography (FPLC) of bio molecules can be a task. KNAUER offers with AZURA<sup>®</sup> an elaborate bio-chromatography concept, which builds on our experience and is very adaptable. AZURA Bio LC is designed for performance, flexibility and user friendliness.

System solutions range from flow rates as low as 0.02 ml/min up to 1000 ml/min by choosing the appropriate pump from KNAUER. A wide range of flow cells for different detectors allows optimized detection.

**11:35 to 12:20, Technical Seminar Room 1**

**Speaker: MDr. Ingo Piotrowski from Germany | Business Development Manager**

*Dr. Ingo Piotrowski is business development manager at KNAUER and is responsible for the business development in Asia. He graduated science degree in Chemistry from Technical University Berlin (Germany) in 2003 and was awarded PhD from Technical University Berlin (Germany) in 2007 for studies in organic synthesis.*

Company: KNAUER WISSENSCHAFTLICHE GERÄTE GMBH

**TITLE: New Powerful motor less magnet stirrers and EMC-Eco zero dead volume free Bottle top dispensers**

New series of powerful motor less inductive magnetic stirrers new series of EMC-Eco bottle top dispensers for dead volume free chemical dispensers for chemicals. Sample preparation with high quality products – made in Germany!

**11:35 to 12:20, Technical Seminar Room 2**

**Speaker: Mr. Klaus Englert from Germany | Vice President**

Company: EMCLAB INSTRUMENTS GMBH

**TITLE: RECONDITIONED OF BATTERY IN HYBRID VEHICLE**

HEV battery modules undergo shallow depth of discharge. Unused electrode material becomes physically separated and unavailable. This reversible failure mode causes module-to-module variation of amp-hour capacity. These variations constitute an "out of balance" battery pack. Reversible loss of capacity is often referred to as the "memory effect". Reconditioning: Extract vehicle battery pack, Remove high voltage cable, Parallel connect modules to EVc conditioning equipment, Rapidly identify and switch-out high resistance modules & Subject modules to a series of deep, split-current, cycling and pulses.

**11:35 to 12:20, Technical Seminar Room 3**

**Speaker: Mr. Tan Sang Hup from Malaysia | Director**

*Mr. Tan graduated from University of California, USA in Master of Engineering. Mr. Tan is registered professional engineer at California USA since 1992. He has 30 years working experience in engineering consultation since 1987. He has been involved in Lithium Ion Battery research since 2000.*

Company: KGC RESOURCES SDN BHD

**DAY 3 - Thursday, 12 October 2017****TITLE: Analytical Helium global supply situation and how Air Products mitigates helium supply shortage.**

Helium is the life blood of all GC analysis, as it is used as a carrier gas and purging gas in most techniques. Are we running out of helium? There is constant news about shortages and volatility of helium. Air Products, the largest supplier of helium globally, shares with you about how its strategic supply chain managed to ensure stability for its customers to ensure peace of mind of supply.

**14:00 to 14:45, Technical Seminar Room 1**

**Speaker: Mr. Collin Tan from Singapore | Asia Helium and Spec Gas Marketing Manager , Air Products Industrial Gas (Singapore)**

*Mr. Collin Tan, Air Products Asia, graduated with Bach. of Chemical Engineering from National University of Singapore, with a MCIM from Charters Institute of Marketers UK. He began his career as a Marketing executive at JTC to develop and market Jurong Island to chemical companies. His current role as Helium and Specialty Gas Marketing Manager, is responsible for strategic marketing, product management and training for helium, specialty gases and rare gas products.*

Company: AIR PRODUCTS MALAYSIA SDN BHD

**TITLE: Understanding & Preparing for Hazard Analysis and Risk-Based Prevention Control (HARPC)**

The "HA" in HARPC stands for "Hazard Analysis" which address the needs to identify hazards that contribute to the foods wholesomeness. The "RPC" in HARPC stands for "Risk-Based Preventive Controls." This part requires companies to develop and implement a series of risk-based controls at the critical points of the manufacturing process where the identified hazards must be prevented or minimized to ensure food safety for human consumption.

In conjunction with this approach, Arachem Sdn. Bhd. is organizing workshop "Allergen & Microbiological Control with Compliance to Hazard Analysis and Risk-Based Preventive Controls (HARPC)" to offer an opportunity to alert the governments, manufacturers and the retailers on the importance of allergen and microbiological management towards this approach.

**14:00 to 14:45, Technical Seminar Room 2**

**Speaker: Ms. Siang Lyn, Tee from Malaysia | Technical Support Manager**

*Siang Lyn, Tee (Hons Deg Med Bio Sc Microbiologist)*

*She is graduated in 2006 from the Monash University with an Honours Degree of the Bachelor of Science in Medical Bioscience.*

*She is one of the associate members of Golden Key International Honour Society Australia and had been awarded merit study scholarship for excellent performance in study Bachelor Degree of Medical Bioscience by Monash University in year 2005 and year 2006.*

*In year 2015, she had been registered as the "Train The Trainer, TTT" with Pembagunan Sumber Malaysia Berhad, HRDF & Biocontrol system USA.*

*She has been working as Technical Sales Manager in Arachem (M) Sdn Bhd for more than 6 years. Her main job responsibilities are to provide training and technical resolution to the customer. Last but not least, she is providing customized training syllabus to the customer in food industries, cosmetics and toiletries industries as well as pharmaceutical industries.*

Company: ARACHEM (M) SDN BHD

**DAY 3 - Thursday, 12 October 2017****TITLE: Designing Climate Control for Laboratories**

Understanding factors and parameters for designing climate control in a laboratory. In an evolving industry where requirements for stringent control of temperature and humidity differ for various industries, end users and builders have different motivations and demands. Understanding such reasons and needs for climate control is very important for proper design and successful implementation. Considerations include critical requirements for fresh air, exhaust air or low dew point and clean room design.

**14:00 to 14:45, Technical Seminar Room 3**

**Speaker: Mr. Law Yun Yuan from Malaysia | Sales Manager (Northern)**

*Law Yun Yuan is a Senior Manager responsible for Sales and Operations in the northern market of Malaysia.*

*He is a trained mechanical engineer with vast experience in design, installation & commissioning of centralised air conditioning systems, dehumidification & humidification systems and ventilation. YY Law is a member of AAQ Technical Innovation Team.*

Company: APPLIED AIR QUALITY SPECIALISTS SDN BHD

**TITLE: The Specialist of Automatic: Shelf Life Determination**

The innovative technology from Velp Scientifica to Determine Shelf Life according to Lipid Oxidation directly from the whole sample without preliminary fat/lipid extraction which can guarantee a representative result.

**15:05 to 15:50, Technical Seminar Room 1**

**Speaker: Mr. Arjuno Eko Putro from Indonesia | Area Sales Manager SEA-Velp Scientifica**

Company: PLT SCIENTIFIC SDN BHD

**TITLE: IKA® Magic PLANT- A right tool for R&D formulations & process development!**

The IKA magic PLANT is a laboratory scale process plant for batch wise mixing, homogenizing and emulsifying of low to high viscous masses just about capable of flowing. The magic PLANT can be used for a variety of applications E.g. developing R&D formulations & processes for products from different industries including Pharmaceutical, Cosmetics, Food and advanced materials. The magic PLANT is characterized by many procedural advantages, in terms of very small process quantity, high product viscosity, adjustable mixing and dispersing effect, different process targets, and convertible from batch to inline to powder processing plant and vice versa. The unique features of the magic PLANT and its flexibility for achieving several functions for integration with other systems will be discussed in this presentation.

**15:05 to 15:50, Technical Seminar Room 3**

**Speaker: Dr. Paramasivam Senthivel from India | R&D Manager**

*Dr. Senthil, R&D Manager- Application of IKA Works Asia Sdn Bhd and frequent speaker in industry events obtained his PhD from Indian Institute of Technology, Chennai (Madras), India. After a brief stint in University of Hyderabad as lecturer, he pursued research for more than 12 years in formulations and process development in the area of Petrochemical products at R&D Centre of Indian Oil Corporation Limited, and Corporate R&D Centre of Bharat Petroleum Corporation Limited, New Delhi. Thereafter he migrated to Malaysia and joined as R&D Manager-Application in IKA Works. For the past six years, he's been intensively involved in process development for different industrial applications as Pharma, Foods, Cosmetics and Petrochemical products*

Company: IKA WORKS SDN BHD