

SCMMMS News

February 2023

Following on from the success of 2022, we have planned a series of exciting and interesting events for 2023 that includes an online workshop, local heat for IOM3 young persons' lecturer competition and monthly technical webinars focusing on advanced electron microscopy, battery materials, graphene, non-destructive testing, Raman spectroscopy etc.

As always, the SCMMMS Committee would like to hear from you if you have any thoughts on future themes we could cover, or if you wish to volunteer for a presentation. Please contact us using the details at the end. We look forward to welcome you for the forthcoming events.



IOM3 Award – The Local Society of the year 2022

Southern Counties Materials Minerals and Mining Society (SCMMMS) was presented the IOM3 Local Society of the Year 2022 award at the Premier Awards Dinner, held at IOM3 headquarters in London. The award was received by Nilmini Dissanayake (Chair of SCMMMS), Ana Robador (The Secretary), Jasmine Bone (Social Media Manager) and Phil Duke (Industrial Representative - Defense) from the IOM3 President Neil Glover. SCMMMS also received a cash prize of £1000.

SCMMMS would like to thank IOM3 Awards Committee for the recognition.



1 - The award was presented at the IOM3 Premier Award Christmas Dinner

(From left - IOM3 President Neil Glover, Ana Robador, Nilmini Dissanayake, Phil Duke and Jasmine Bone)







2 - Award Winners 2022 (Photo credit to MLR PHOTO/IOM3)

Upcoming SCMMMS Events

How to write a scientific abstract

Thursday 2 February - 16:00 to 17:30



Registration link (FREE): Online workshop - How to write a scientific abstract

Download Flyer

Advanced electron microscopy for infectious disease control and clinical diagnostics

Thursday 9 February - 12:00 to 13:30





Advanced electron microscopy for infectious disease control and clinical diagnostics

9th February 2023 | 12:00 - 13:30 (GMT)



Challenges in healthcare and the route towards standardization A challenge is to provide reproducible and quantitative measurements across different experimental secretific work. This is circuit in diagnostics and the pharmaceutical industry results are required in validation of procedures. We will show case studies in electron microscopic with complementary imaging bethingse characterizing asmiples from biopsy. During the discuss working models and recent advances in standardization when reference materials in the configuration of the configuration



The importance of standardization in laboratory medicine

tional organisations collaborate to prioritize measurance for standardization and to promo-diffra the Joint Committee for Tracebolity in Laboratory Mediane (JCTLM). National Memorial Committee for Tracebolity in Laboratory Mediane (JCTLM), Telefonal Memorian and Laboratory Mediane (IFCC), Archieving measurement accuracy more widely will contril ran, consistent decisions for patients, etc.



Primary membranous glomerulonephritis (MGN) diagnosis in renal biopsies using correlative light and electron microscopy (CLEM)

<u>Prof. Murray C. Killingworth</u>, VF Ng and T. Cohen-Hyama

Correlative Microscopy and Nan-Popta gand T. Cohen-Hyama

The presence of PLAZR in glomerular deposits is assessed as part of the criteria used to establish diagnosis of primary versus secondary membranous glomenlunephritis (MSN). This is usually done wi immunchistochemistry and electron microscopy using two separate samples. A CLEM approach delives it immunication from a single sample and provides enhanced information on the pathogenesis of MSN.



Clinical Pathology case studies using advanced imaging

Organised by the: Southern Counties Materials Minerals and Mining Society IOM3 Local Society of the Year 2022
Contact: southerncountiesmmms@gmail.com



Registration link (FREE): Advanced Electron Microscopy

Download Flyer

Young Persons' Lecture Competition

Thursday 9 March - 16:00





2023 Young Persons, Lecture Competition

SCMMMS Local Heat

9 March 2023 | 4:00 PM (online)



SCMMMS invites abstracts from students and early career professionals up to the age of 28 (on 1 June 2023) to deliver a short lecture (12-15 minutes) on materials, minerals, mining, packaging, clay technology and wood science and engineering related subjects. Open to members and non-members of IOMS

The winner of the SCMMMS local heats will receive £250 as prize money and the opportunity to progress to the next stage* in the competition.

Interested entrants need to fill in the Entry Form accessible from the link

Deadline for entries: 17 February 2023

2023 YPLC Entry Form

(Select SCMMMS as your local society)

*Candidates compete in a series of heats organised by IOM3 Local Societies, from which regional finalists are selected to compete in the national final. The winner goes on to represent the UK in the Young Persons' World Lecture Competition.

For enquiries please contact _ Carmen M. López (carmen.lopez@npl.co.uk)
Ana Robador (ana.robador@npl.co.uk)

Organised by the: Southern Counties Materials Minerals and Mining Society

Contact: southerncountiesmmms@gmail.com

Registration (FREE): SCMMMS Local Heat YPLC 2023

(Deadline for entries 17 Feb 2023)

Download Flyer

Membership of SCMMMS

If you are an existing member of IOM3, you can manage your profile to set SCMMMS as one of your preferred networks. This will help us keep you updated of our activities.

The committee is also trying to appoint **representatives in the universities** within the region to act as coordinators either to promote or organise the events. We are keen to hear your views on how best SCMMMS can support to act as a valuable network for students and practising researchers.

If you would like to support in the activities of the society, including interest in joining the committee, please email SCMMMS at southerncountiesmmms@gmail.com

Contact Us

Nilmini Dissanayake (Chair) / Ana Robador (Secretary)

southerncountiesmmms@gmail.com



