M3P3 - 11 November 2025

M3P3		
Start Time	**End time**	
08:00	09:00	**Registration**
10:10	**10:50**	**Networking Break** Atrium **Roundtables** (Refreshments served at the table) **A framework for modelling critical material sustainability, resilience and risk** Decision Analysis Services (DAS) This round table will look at how digital twin models can be used to explore the future of critical minerals. Discussion will cover approaches to modelling the circular economy, assessing risks and using AI tools to monitor supply and demand. **Emerging materials technologies for a net-zero future** Lucideon Innovation in materials is essential to reaching net zero. Richard Goodhead will lead a discussion on how testing, modelling and sustainable processes are helping industry to overcome challenges. The session will highlight real-world examples showing how these approaches unlock practical solutions. **The role of metrology in supporting circularity of sustainable materials** NPL From recycling to biodegradable materials, sustainable solutions rely on trusted measurement and standards. This session will look at the challenges and opportunities for advanced materials and manufacturing in achieving a more circular economy. Exploring how metrology can bridge gaps and support adoption at scale. **Policy & Influence** IOM3 Delve into the latest policy developments shaping the future of materials, minerals, and mining and share your perspectives.
10:50	10:59	**Changeover Time (Please make your way swiftly to your next session for a smooth transition to a 2-minute Armistice Day Silence)**
11:00	11:02	**2-minute Armistice Day Silence (In your respective sessions)**
13:05	**14:00**	**Networking Lunch** **Round Tables 13:30-14:00** **Increasing the use of secondary raw materials in industry** Glass Technology Services Using more secondary raw materials is vital to creating a circular economy. Chris Holcroft will lead a discussion on opportunities for upcycling waste into new resources, and the barriers that stand in the way, from availability and logistics to regulation and customer perception. **Reinventing conveyor belts: powering the future of industry** Ecobelt Conveyor belts move billions of tonnes of goods across mining, logistics, manufacturing and e-commerce. Yet many still rely on outdated, inefficient technology. Ecobelt's AnnStuMax system transforms conveyors into intelligent, reliable and sustainable tools. Join Craig Spencer-Smith FIMMM (Chief Technology Officer and inventor of AnnStuMax) to explore how rethinking a familiar technology can have a huge impact on efficiency and the world economy. **Materials 4.0 in practice** Frazer-Nash This roundtable offers a joint academic-industry perspective on Materials 4.0, exploring realistic short-term wins, research priorities and what they mean in practice with David Jesson (Senior Consultant) leading the session. **Membership Benefits & Professional Growth** IOM3 Discover the advantages of being part of a leading professional body. Explore how our membership services can support your career development and industry impact.
		Networking Break Atrium

15:00	**15:45**	**Roundtables** (Refreshments served at the table) **Materials for the next generation energy supply chain: from fusion to function** Goodfellow Hosted by Thomas Greaves (Regional Manager), this roundtable explores the materials challenges and innovations driving clean energy, with a focus on emerging supply chains for fusion and next-generation energy sources. Delegates will discuss how advances materials support scientific and commercial progress, from containment and conductivity to sustainability and scalability. **Building on the 2025 strategic defence review: securing future supply chains** AWE Following the 2025 strategic defence review, the UK faces a changing landscape for defence materials and national production. This session will explore how government, industry and academia can work together to strengthen resilience in critical infrastructure. **Replicating the real world for a more value-added test programme** SMaRT Standard test programmes rarely reflect the full demands of service environments. This session, led by Professor Mark Whittaker FIMMM, will explore how designing tests around real conditions can provide greater value, reduce uncertainty and deliver more reliable results. **Industry 4.0 & Digital Innovation** IOM3 Discuss the revolutionary impact of Industry 4.0 technologies and AI on the materials and mining sectors. Exchange ideas on adopting digital solutions for safer, more efficient operations.
18:00	21:00	**Informal Supper & Networking Games** Atrium

M3P3 - 12 November 2025

M3P3		
Start Time	**End time**	**Millennium Point**
08:00	09:00	**Registration**
10:00	**10:45**	**Networking Break** Atrium
		Roundtables **Skills to 2050 and beyond** Decision Analysis Services (DAS) This session will focus on future workforce needs for net zero and beyond. It will explore long-term demand for skills, how to identify gaps early, and ways to attract and retain the next generation of professionals. **Innovation and intellectual property in materials science** HLK Patents can both track innovation trends and protect valuable breakthroughs. Dr Michael Ford will share practical insights on navigating the challenges of patenting materials inventions and using IP strategically to support research and commercial success. **Characterisation of materials in the lab, glovebox and hot cell** NETZSCH Group Material characterisation looks very different in a standard lab compared to a glovebox or hot cell. In this roundtable, Melinda Tucker will discuss how to adapt methods to meet the unique demands of nuclear and defence applications. **Professional Registration & Accreditation** IOM3 Find out how to achieve and maintain professional registration. Gain insights into the pathway to recognition, standards, and continuing professional development.
		Networking Lunch Atrium

12:45	**14:00**	**Roundtables (13:30-14:00)** **Closing the skills gap: building skills for the mines of tomorrow** Cornish Metals Cornish Metals is advancing the South Crofty tin project and supporting STEM learning, workplace experience and research opportunities for young people. This roundtable will explore the skills mining companies need in Cornwall, how industry and education can build a talent pipeline and best practice for upskilling and attracting a diverse workforce. **Combining real-time imaging with thermal analysis** Hitachi Hosted by Hitachi High-Tech Analytical Science, this roundtable explores how real-time imagining adds new insight into thermal analysis. Discussing examples including tracking polymorphism, polymer stability, colour changes and troubleshooting in R&D and production. **Coatings built for the future** Indestructible Paint Ltd Indestructible Paint Ltd develops advanced coatings for demanding environments, from aerospace and defence to rail and automotive. This roundtable will explore engineered coatings are evolving to improve efficiency, support sustainability and drive innovation across critical industries. **Expanding Your Network & Collaboration Opportunities** IOM3 Connect with like-minded professionals, industry leaders, and potential collaborators. Learn how expanding your network can open new pathways for growth and innovation.z
15:30		**Close of M3P3**