


Mineral and Metal Characterisation workshop - MMC 2026
22-26 June 2026, UQ Long Pocket campus
Program (to be updated)

Monday 22 June 2026								
8:30	9:30		Registration, networking, exhibition					
9:30	10:00	Elkhorn room 206	Welcome to Country followed by Keynote 1: Science and technology of material characterisation for minerals and circular economy, Roger Wepf (NRICH-CMM)					
10:00	10:30		Keynote 2: Role of characterisation in geological exploration and mineral processing, Paulo Vasconcelos (School of Environment, online) 					
10:30	11:00	Cycad	Morning Tea					
11:00	11:20		Invited talk 1	Introduction to NRICH instrumentation followed by SEM techniques, Andrew Kostryzhev (NRICH)				
11:20	11:40		Invited talk 2	X-ray techniques at NRICH, Jack van der Pal (NRICH)				
11:40	12:00	Elkhorn room 206	Invited talk 3	Mass spectroscopy at NRICH, Christian van Engers (NRICH)				
12:00	12:20		Invited talk 4	Automated Mineralogy on Apreo SEM and Maps Min software, Justin Freeman (NRICH)				
12:20	12:40		Invited talk 5	TBC				
12:40	13:30	Cycad	Lunch					
			WS1 - 221	WS3 - 239	WS4 - 226	WS5 - 218	WS6 - 221	WS7 - Cycad, 201
13:30	15:00	Foxtail level 2	SEM -EDS - Amics, automated phase analysis in mineral and metal research, Andrew Kostryzhev (NRICH)	ToF SIMS: molecular mass spectrometry of surfaces and interfaces, Christian van Engers (NRICH)	Light microscopy (Evident) - TBC	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	MinDet Emago - Rapid Mineralogy Analysis for Flotation Slurries for Eiman Amini & Edwin Koh (MinDet)
15:00	15:30	Cycad	Afternoon Tea					
15:30	17:00	Foxtail level 2	SEM -EDS - Amics, automated phase analysis in mineral and metal research, Andrew Kostryzhev (NRICH)	ToF SIMS: molecular mass spectrometry of surfaces and interfaces, Christian van Engers (NRICH)	Light microscopy (Evident) - TBC	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	MinDet Emago - Rapid Mineralogy Analysis for Flotation Slurries for Eiman Amini & Edwin Koh (MinDet)

Tuesday 23 June 2026											
8:30	9:00	Elkhorn room 206	Registration, networking, exhibition								
			WS3 - 239	WS4 - 226	WS5 - 218	WS6 - 221	WS7 - Cycad, 201	WS8 - 204	WS9 - 218	WS10 - Elkhorn, 206	
9:00	10:30	Foxtail level 2	ToF SIMS: molecular mass spectrometry of surfaces and interfaces, Susana Brito (SMI), Christian van Engers (NRICH)	Light microscopy (Evident) - TBC	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	MinDet Emago - Rapid Mineralogy Analysis for Flotation Slurries Eiman Amini & Edwin Koh (MinDet)	Sample preparation for mineral analysis, Scott Richardson (Struers)	Light microscopy, Scott Merrington (Leica)	Raman and NIR, Danmar Gloria and Nathan Strickland (Metrohm)	
10:30	11:00	Cycad	Morning Tea								
11:00	12:40	Foxtail level 2	ToF SIMS: molecular mass spectrometry of surfaces and interfaces, Susana Brito (SMI), Christian van Engers (NRICH)	Light microscopy (Evident) - TBC	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	MinDet Emago - Rapid Mineralogy Analysis for Flotation Slurries Eiman Amini & Edwin Koh (MinDet)	Sample preparation for mineral analysis, Scott Richardson (Struers)	Light microscopy, Scott Merrington (Leica)	Raman and NIR, Danmar Gloria and Nathan Strickland (Metrohm)	
12:40	13:30	Cycad	Lunch								
13:30	15:00	Foxtail level 2	ToF SIMS: molecular mass spectrometry of surfaces and interfaces, Susana Brito (SMI), Christian van Engers (NRICH)	Light microscopy (Evident) - TBC	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)		Sample preparation for mineral analysis, Scott Richardson (Struers)	Light microscopy, Scott Merrington (Leica)	Raman and NIR, Danmar Gloria and Nathan Strickland (Metrohm)	
15:00	15:30	Cycad	Afternoon Tea								
15:30	17:00	Foxtail level 2	ToF SIMS: molecular mass spectrometry of surfaces and interfaces, Susana Brito (SMI), Christian van Engers (NRICH)	Light microscopy (Evident) - TBC	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)		Sample preparation for mineral analysis, Scott Richardson (Struers)	Light microscopy, Scott Merrington (Leica)		

Wednesday 24 June 2026								
8:30	9:00	Elkhorn room 206	Registration, networking, exhibition					
			WS5 - 218	WS6 - 221	WS9 - 218	WS11 - 204		
9:00	10:30	Foxtail level 2	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	Light microscopy, Scott Merrington (Leica)	Kemet - set up		
10:30	11:00	Cycad	Morning Tea					
11:00	12:40	Foxtail level 2	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	Light microscopy, Scott Merrington (Leica)	Sample preparation, Nathan Murray (Kemet)		
12:40	13:30	Cycad	Lunch					
13:30	15:00	Foxtail level 2	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	Light microscopy, Scott Merrington (Leica)	Sample preparation, Nathan Murray (Kemet)		
15:00	15:30	Cycad	Afternoon Tea					
15:30	17:00	Foxtail level 2	Partical sizing (ATA Scientific)	Introduction to X-Ray Techniques, Olga Narygina (XRD) & Dale Parsonage (XRF) (Panalytical)	Light microscopy, Scott Merrington (Leica)	Sample preparation, Nathan Murray (Kemet)		

Thursday 25 June 2026								
8:30	9:30		Registration, networking, exhibition					
9:30	9:50	Elkhorn room 206	Invited talk 1	Phase analysis for SEM and LM - software development, Bernd Schulz (Zeiss)				
9:50	10:10		Invited talk 2	Apreo SEM and Maps Min mineralogy software, Leo Salazar, Aukje Benedictus (Thermofisher)				
10:10	10:30		Invited talk 3	ToF SIMS applications in mineral processing, Susana Brito (UQ SMI)				
10:30	11:00	Cycad	Morning Tea					
11:00	11:20	Elkhorn room 206	Invited talk 4	Characterisation of polished blocks using light microscopy, Scott Merrington (Leica Microsystems)				
11:20	11:40		Invited talk 5	Application of XRF in mineral analysis, Shangshang Mu (Gatan / EDAX) - online				
12:00	12:00							
12:20	12:20							
12:40	13:30	Cycad	Lunch					
			WS1 - 221	WS2 - 221	WS9 - 218	WS11 - 204	WS13 - 239	WS14 - 229
13:30	15:00	Foxtail level 2	SEM -EDS - Amics - automated phase identification in mineral and metal research, Andrew Kostryzhev (NRICH)	Mineral mapping on Bruker XRF, Jack van der Pal (NRICH)	Light microscopy, Scott Merrington (Leica)	Sample preparation, Nathan Murray (Kemet)	Apreo Maps Min, Leo Salazar, Aukje Benedictus (Thermofisher)	Hitachi SU7000- Amics, Matthew Ng (NewSpec)
15:00	15:00	Cycad	Afternoon Tea					
15:30	17:00	Foxtail level 2	SEM -EDS - Amics - automated phase identification in mineral and metal research, Andrew Kostryzhev (NRICH)	Mineral mapping on Bruker XRF, Jack van der Pal (NRICH)	Light microscopy, Scott Merrington (Leica)	Sample preparation, Nathan Murray (Kemet)	Apreo Maps Min, Leo Salazar, Aukje Benedictus (Thermofisher)	Hitachi SU7000- Amics, Matthew Ng (NewSpec)

Friday 26 June 2026						
8:30	9:00	Elkhorn room 206	Registration, networking, exhibition			
			WS2 - 221	WS13 - 239	WS14 - 229	
9:00	10:30	Foxtail level 2	Mineral mapping on Bruker XRF, Jack van der Pal (NRICH)	Apreo Maps Min, Leo Salazar, Aukje Benedictus (ThermoFisher)	Hitachi SU7000-Amics, Matthew Ng (NewSpec)	
10:30	11:00	Cycad	Morning Tea			
11:00	12:40	Foxtail level 2	Mineral mapping on Bruker XRF, Jack van der Pal (NRICH)	Apreo Maps Min, Leo Salazar, Aukje Benedictus (ThermoFisher)	Hitachi SU7000-Amics, Matthew Ng (NewSpec)	
12:40	13:30	Cycad	Lunch			
13:30	15:00	Foxtail level 2	Mineral mapping on Bruker XRF, Jack van der Pal (NRICH)	Apreo Maps Min, Leo Salazar, Aukje Benedictus (ThermoFisher)	Hitachi SU7000-Amics, Matthew Ng (NewSpec)	
15:00	15:00	Cycad	Afternoon Tea			
			Closure			