

Timetable, Day 1, 2024

Time	Presentation	Content	Presenter
08:45-09:00	Registration & Introduction	Course Format The IAT	
09:00-09:45	Aggregate Production & Use	Blasting, Crushing & Screening Aggregate Properties Site Applications	Diarmuid McCarthy
09:45-10:45	Bituminous Binders & Bituminous Mixtures	Binders - Bitumens, Polymer Modified Binders & Emulsions Standards & Specifications Bituminous Mixtures & Treatments	Gearoid Lohan
10:45-11:15	Tea & Coffee break		
11:15-12:00	Bituminous Mixture Design & Manufacture	Design & Manufacturing Process Material selection - SR28 & TII Type Testing, FPC & CE Marking Reclaimed Asphalt	Alan Lowe
12:00-12:45	Low Energy Mixtures & Carbon Footprint	Warm & Cold Mixtures Design Process Carbon Footprint Calculations of Common Materials	Alan Kavanagh
12:45-13:45	Lunch		
13:45-14:45	Installation - Best Practice on Site	Preparation, Bond Coat, Weather Laying Temperatures, Thickness & Compaction Control Application of Coated Chippings	Garrett Doherty
14:45-15:30	Pavement Condition & Maintenance System	Pavement condition & maintenance on the non-national network	Brian Burke
15:30-16:00	Road Maintenance Matters	Need to Maintain Assets Repair Methods & Materials Engineering Management of Maintenance	Alan Anderson
16:00-16:30	Introduction to Geosynthetics	Types Site & Laboratory Testing Functions & Applications Sustainable solutions	Tony Broderick
16:30	End of day 1		

Timetable, Day 2, 2024

Time	Presentation	Content	Presenter
09:00-10:30	Health & Safety at Road Works	Risk Management Works Controls & Responsibilities Documentation & Safety Plans The Traffic Management Process Planning & Design of Roadworks Pedestrians & Vulnerable Road Users	Charlie Kerr
10:30-11:00	Tea & Coffee break		
11:00-12:00	Pavement Specifications & Standards	TII Publications DTTAS Specifications NSAI Standards	Kevin Crawley
12:00-12:45	Pavement Surveying	Structural Condition – FWD Skid Resistance - SCRIM Road Profile & Ride Quality – RSP Pavement Cracking - LCMS Macrotexture and 3D CRP Visual Condition Surveys – PCI & PSCI	Brian Mulry
12:45-13:30	Lunch		
13:30-14:15	Pavement Design & Overlays	Practical Applications - Site Evaluation FWD Surveys – Interpretation Pavement Design & Construction Emergency Repairs	John Mitchell
14:15-15:00	Installation - Equipment & Plant Innovation	Milling Machines Pavers & Rollers Equipment for In-situ & Ex-situ Recycling	John Jordan
15:00-16:00	Surface Dressing	Function, Mechanism & Types Component Material Requirements Design Principles – IAT Design Method & TII Analytical Design Method Quality Control Remedial Works Options	Damien McCormack
16:00-16:45	The Use of mastic Asphalt in Roads	Mastic asphalt, its composition and uses in roads. Choice and Specification of ironworks in Road and Airport pavements. Trench Reinstatement and the DTTAS Guidelines	Cathal Fahy
16:45	End of day 2		