

11th European Asphalt Technology Association (EATA) Conference

Tuesday 10 June 2025

Tuesday, 10th June 2025: Registration - Auditorium "Orfeo Tamburi" (08:30 - 09:00)

Tuesday, 10th June 2025: Opening Ceremony - Auditorium "Orfeo Tamburi" (09:00 - 09:30)

time	[id] title	presenter
09:00	[54] Welcome	

Tuesday, 10th June 2025: Lecture 1 (Marasteanu) - Auditorium "Orfeo Tamburi" (09:30 - 10:30)

time	[id] title	presenter
10:00	[55] Keynote Lecture 1 - The Golden Age of Asphalt Rheology: The Development of the PG Binder Specification	

Tuesday, 10th June 2025: Coffee Break - Auditorium "Orfeo Tamburi" (10:30 - 10:45)

Tuesday, 10th June 2025: Session 1 – Aging and rheology of binders (6 papers) - Auditorium "Orfeo Tamburi" (10:45 - 12:45)

-Conveners: Kamilla Vasconcellos, University of São Paulo (Brazil); Ezio Santagata, University of Qatar (Qatar)

time	[id] title	presenter
10:45	[2] 3D Linear Viscoelastic Characterisation and Modelling of Bitumen	
11:05	[3] Optimising Bitumen Modification: How Styrene-Butadiene-Styrene (SBS) Characteristics and Content Affect Bitumen Behaviour	
11:25	[4] Characterisation of bitumen grade and modification using a multilevel multivariate discriminant analysis approach and FTIR spectroscopy	
11:45	[5] Analysis of design variables of highly modified asphalt binders for longer-lasting roads	
12:05	[6] Requirements for the low-temperature cracking resistance of asphalt binders	
12:25	[7] Decoupling oxidation and hardening in ageing: Evaluation of bitumen-stone adhesion using different experimental methods	

Tuesday, 10th June 2025: Lunch / Poster Session - "Boxe" Room (12:45 - 14:30)

-Conveners: Fabrizio Cardone, Polytechnic University of Marche (Italy); Lélío Antonio Teixeira Brito, Federal University of Rio Grande do Sul (Brazil)

time	[id] title	presenter
12:45	[52] Poster Session 1	

Tuesday, 10th June 2025: Session 2 – Performance and multiscale modelling (5 papers) - Auditorium “Orfeo Tamburi”**(14:30 - 16:15)****-Conveners: Jamilla Teixeira, University of Nebraska (USA); Cédric Sauzéat, ENTPE – Université de Lyon (France)**

time	[id] title	presenter
14:30	[8] Multi-scale analysis of ageing behaviour in bituminous materials	
14:51	[9] Advanced discrete element analysis of tyre – pavement interactions on textured bituminous surfaces based on the French wheel tracking test	
15:12	[10] Long-term performance of asphalt mixtures containing bio-extended bituminous binders: Laboratory investigation and Accelerated Pavement Testing	
15:33	[11] Towards a better understanding of crack propagation in asphalt pavements with reinforcement grids (using laboratory-scaled traffic load and interlayer shear test)	
15:54	[12] Bitumen Optical Microscopy as A Quality Assurance Tool through Deployment of Trained Siamese Neural Network Model	

Tuesday, 10th June 2025: Coffee Break - Auditorium “Orfeo Tamburi” (16:15 - 16:45)**Tuesday, 10th June 2025: Session 3 – Thermo-mechanical properties of bituminous materials (5 papers) - Auditorium “Orfeo Tamburi” (16:45 - 18:30)****-Conveners: Piotr Jaskula, Gdansk University of Technology (Poland); Michael P. Wistuba, Technical University of Braunschweig (GE)**

time	[id] title	presenter
16:45	[13] Mesostructural Analysis of Damage and Healing of Fine-Aggregate Mixtures Containing Recycled Asphalt	
17:06	[14] Investigating Linear Viscoelastic Response of Cylindrical and Prismoidal Bituminous Mixtures Subjected to Torsion Using Dynamic Shear Rheometer	
17:27	[15] Evaluating Thermal Contraction Behaviour of Basalt Mastic Using Micromechanical Finite Element Modeling	
17:48	[16] Assessment of optical-thermal balance and environmental degradation of a thermochromic-coated asphalt mixture for urban heat mitigation	
18:09	[17] Temperature correction for traffic speed deflectometer measurements on flexible pavement using ANN models	