

11th European Asphalt Technology Association (EATA) Conference

Wednesday 11 June 2025

Wednesday, 11th June 2025: Lecture 2 (Kaliske) - Auditorium "Orfeo Tamburi" (09:00 - 09:45)

time	[id] title	presenter
09:00	[56] Modeling and Simulation of Pavements	

Wednesday, 11th June 2025: Session 4-a – Smart pavement solutions (3 papers) - Auditorium "Orfeo Tamburi" (09:45 - 10:45)

-Conveners: Davide Chiola, Movyon (Italy); Fernando Moreno-Navarro, University of Granada (Spain)

time	[id] title	presenter
09:45	[18] Responses of a Thin Flexible Pavement Loaded with Tires of Various Dimensions and Configurations	
10:05	[19] Laboratory Testing and Modeling of Axle Load Sensor – Asphalt Mixture System	
10:25	[20] Modelling the thermophysical properties of pavement layers using real-time sensor collected data	

Wednesday, 11th June 2025: Coffee Break - Auditorium "Orfeo Tamburi" (10:45 - 11:15)

Wednesday, 11th June 2025: Session 4-b – Smart pavement solutions (4 papers) - Auditorium "Orfeo Tamburi" (11:15 - 12:30)

-Conveners: Andrea Grilli, Polytechnic University of Marche (Italy); Manfred Partl, PRRC (Switzerland)

time	[id] title	presenter
11:15	[21] Evaluation of mechanical responses of full-scale pavement integrating inductive coils for the development of ERS for heavy goods vehicles	
11:35	[22] Evaluating the Structural Performance of eRoad Pavements Impact of Inductive Charging Coils on Mechanical Behavior	
11:55	[23] Experimental setup and thermo-viscoelastic FEM analysis of eRoads under diurnal thermal loading cycles in warm conditions	
12:15	[24] Optimisation of a road asphalt solar collector for energy harvesting	

Wednesday, 11th June 2025: Lunch / Poster Session - "Boxe" Room (12:30 - 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
12:30	[53] Poster Session 2	

Wednesday, 11th June 2025: Session 5 – Sustainable binders (6 papers) - Auditorium “Orfeo Tamburi” (14:30 - 16:30)**-Conveners: Aikaterini Varveri, Delft University of Technology (NL); Salvatore Mangiafico, ENTPE – University of Lyon (France)**

time	[id] title	presenter
14:30	[25] Investigation of polymer-modified bitumen containing renewable components	
14:50	[26] Ageing resistance in model bio-based binders for road materials: A study of rosin esters and vegetable oil combinations	
15:10	[27] Evaluation of antioxidants to mitigate aging in wood-based bio-binders	
15:30	[28] Effect analysis of using tall oil pitch (TOP) to partially extend bitumen in asphalt pavements: comparison of different TOPs	
15:50	[29] Rheological Performance of Modified Binders with LDPE from Municipal and Consumer Waste Sources	
16:10	[30] The effect of gamma-irradiated recycled polyolefins as asphalt binder modifiers	

Wednesday, 11th June 2025: Coffee Break - Auditorium “Orfeo Tamburi” (16:30 - 17:00)**Wednesday, 11th June 2025: Session 6 – Pavement surface properties (5 papers) - Auditorium “Orfeo Tamburi” (17:00 - 18:30)****-Conveners: Wim Van den bergh, University of Antwerp (Belgium); Sigurdur Erlingsson, Swedish National Road and Transport Research Institute (Sweden)**

time	[id] title	presenter
17:00	[31] Comparison of open-graded, dense-graded and semi-porous asphalt mixtures for motorway wearing courses based on Wehner-Schulze tests and photogrammetry	
17:18	[32] Statistical Modeling of Pavement Friction: Analyzing the Effects of Texture Characteristics and Measurement Resolution	
17:36	[33] Investigation on the relationship between pavement profiles and empirical indirect surface texture measurement methods through CRP and spectral analysis	
17:54	[34] Parameter uncertainty and statistical analysis of tyre-pavement interaction under braking	
18:12	[35] A laboratory and field recovery estimation of cleaned road surfaces after accidents spills contamination and traffic simulation	

Wednesday, 11th June 2025: Gala Dinner - Auditorium “Orfeo Tamburi” (19:45 - 23:59)