

Western Research Institute

2019 Publications

J Blanc, P. Hornych, Z. Sotoodeh-Nia, C. Williams, L. Porot, S. Pouget, R. Boysen, J-P. Planche, D. Lo Presti, A. Jimenez, E. Chailleux, "Full-scale validation of bio-recycled asphalt mixtures for road pavements", *Journal of Cleaner Production* 227 (2019)

J. Blanc, E. Chailleux, P. Hornych, R. C. Williams, D. Lo Presti, A. Jimenez Del Barco Carrion, L. Porot, J-P. Planche & S. Pouget (2019) Bio materials with reclaimed asphalt: from lab mixes properties to non-damaged full scale monitoring and mechanical simulation, *Road Materials and Pavement Design*, DOI: 10.1080/14680629.2019.1589557

M. D. Elwardany, G.N. King, J-P. Planche, C. Rodezno, D. Christensen, R. S. Fertig III, K. Kuhn, and F. Bhuiyan "Internal Restraint Damage Mechanism for Age-Induced Pavement Surface Distresses: Block Cracking and Raveling", AAPT 2019, Fort Worth, TX, USA, March 4, 2019

J-P. Planche, "How To Cope With Variable Asphalt", AMAP 2019, Fort Lauderdale, FL, USA, Feb 5-7, 2019

J. J. Adams, M. D. Elwardany, J-P. Planche, R. B. Boysen, and J. F. Rovani, "Diagnostic Techniques for Various Asphalt Refining and Modification Methods", *Energy & Fuels* Article, DOI: <https://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.8b03738>, Jan. 21, 2019

M. D. Elwardany, J-P. Planche, J. J. Adams, "Determination of Binder Glass Transition and Crossover Temperatures Using Four-mm Plates on a Dynamic Shear Rheometer: Significance and Applications", *Transportation Research Board* 2019, Washington DC, Jan 13-17, 2019