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Nano-Modified Asphalt Binders and Mixtures to Enhance Pavement Performance

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Deadline for manuscript submissions:

closed (29 February 2020)

Message from the Guest Editors

Dear Colleagues,

The modification of asphalt binders with nanomaterials seems to be very promising to enhance the performance and durability of the asphalt concrete forming the core layers of flexible pavements. The nanomaterials were revealed to be very effective modifiers of other materials, being particularly attractive for the enhancement of a more effective asphalt binder polymerization.

The Special Issue will be a source of information on the progress on the performance and durability of nanomodified asphalt binders and mixtures, as well as experimental techniques dedicated to binder modification and characterization. Potential topics include, but are not limited to:

- Nanomaterials suitable for asphalt binder modification
- Characterization of nano-modified binders.
- Mechanical performance of nano-modified asphalt mixtures
- Evaluation of the durability of nano-modified asphalt
- New techniques for binder and mixture characterization
- Life cycle assessment of nano-modified asphalt materials.



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Prof. Dr. Luís Picado Specials Lue







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Editor-in-Chief

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Message from the Editor-in-Chief

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