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# JOSÉ PABLO AGUIAR MOYA

## Ph.D\_ Civil Engineer

Civil Engineer specializing in transportation engineering, with a Ph.D. from The University of Texas at Austin and a distinguished academic career spanning more than 15 years at Universidad de Costa Rica. His experience includes teaching, research, and academic administration, having served as Associate Professor and Associate Dean of Universidad Fidélitas, as well as Professor and Associate Professor at Universidad de Costa Rica and Visiting Professor at Instituto Tecnológico de Costa Rica. He has led international projects such as Erasmus+ and Horizon 2020. He has participated actively in geotechnical and pavement engineering projects. His expertise includes geometric and structural pavement design, materials analysis, pavement modeling and reliability, transportation engineering, both at the national level and in international professional and academic environments, and Building Information Modeling (BIM) as a researcher at LANAMME-UCR.

### ACADEMIC BACKGROUND

- **[1999–2004]** Universidad de Costa Rica — Licentiate Degree in Civil Engineering, graduating with honors.
- **[2005–2007]** The University of Texas at Austin — M.S.C.E. in Civil Engineering – Transportation.
- **[2007–2011]** The University of Texas at Austin — Ph.D. in Engineering – Transportation.

### PROFESSIONAL EXPERIENCE

- **[2024]** External Advisor, IDOM.
- **[2011–2021]** LANAMME, Universidad de Costa Rica, San José — Researcher, Materials and Pavements Unit, PITRA – Transportation Infrastructure Program.

### TEACHING EXPERIENCE

- **[2021–Present]** School of Civil Engineering, Universidad Fidélitas, San José, Costa Rica — Associate Dean and Associate Professor.
- **[2014–Present]** School of Civil Engineering, Universidad de Costa Rica, San José, Costa Rica — Associate Professor.
- **[2024–Present]** Master's Program in Road Engineering, Instituto Tecnológico de Costa Rica, San José, Costa Rica — Visiting Professor.
- **[2005–2011]** The University of Texas at Austin, Austin, Texas — Research Assistant.
- **[2004–2005]** LANAMME, Universidad de Costa Rica, San José, Costa Rica — Junior Researcher and Undergraduate Research Assistant.

### PUBLICATIONS

- **[2024]** Aguiar-Moya, J.P. *Workshop 5011: Latin America: Sustainability Aspects of Flexible Pavements Binders*, Comité AKM20, TRB, Academia Nacional de Ciencias, USA.
- **[2023]** Villegas-Villegas, R.E., Velásquez-Garnica, S.B., Velásquez-Garnica, P., Velásquez-Garnica, S., Velásquez-Capirola, B., Aguiar-Moya, J.P., Quirós-Vargas, R., Apestegui-Arias, J. *Six Sigma Production Implementation of PET-Modified HMA – A Latin American Case Study*. Journal of Testing and Evaluation, 50(5), 1–24.
- **[2022]** Chávez Arévalo, P.O., Tobón Cruz, O.A., Aguiar Moya, J.P., Cerda Hernández, O.N. *Modelo para predicción del contenido óptimo de asfalto en mezclas asfálticas de Centroamérica*. Congreso Ibero-Latinoamericano del Asfalto, CILA XXI.
- **[2022]** Estrada Escalante, V.R., Escalante Zegarra, J.R., Aguiar Moya, J.P., Herrera Pérez, W. *Análisis de desempeño de mezclas asfálticas densas tibias (HMA) producidas con distintos aditivos*. Congreso Ibero-Latinoamericano del Asfalto, CILA XXI.