
PERSONAL INFORMATION

Full name: **Francisco Evangelista Junior**
 Birthdate: 06/12/1979
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EDUCATION

2006 - today	PhD Candidate at University of Illinois at Urbana-Champaign (UIUC), USA Transportation Infrastructure Engineering Program. Computer Science and Engineering Program.	GPA: 3.85/4.00
2004 - 2006	Master of Science in Civil Engineering (Infra-Structure). Thesis: Quasi-static and Dynamic Simulation of Asphalt Pavements Federal University of Ceará (UFC), Brazil.	
1999 - 2003	Bachelor in Civil Engineering Federal University of Ceará (UFC), Brazil	
1994-1998	Technician in Highways Federal Center for Technology Education (CEFET), Brazil	

SCHOLARSHIPS AND FELLOWSHIPS

2007	National Science Foundation (NSF) travel fellowship to 9 TH US National Congress on Computational Mechanics, 2007
2007	Conference Travel Awards for Graduate Students from Graduate College at UIUC
2004-2006	Graduate Research Assistant by Coordination of Human Resources for Graduate at Brazil (CAPES)
2003-2004	Research Assistant by Research National Council at Brazil (CNPQ)
2000-2003	Scholarship from National Petroleum Agency (ANP) for Petroleum Engineering Human Resources Training

HONORS AND AWARDS

2009	Awarded with Bryant Mather Best Paper Award of the Concrete Materials Section at 2009 TRB annual meeting.
2005	Awarded with the <i>Magna cum Laude</i> for outstanding academic excellence at UFC.
2004	Classified between the 10% best rated students in the National Exam for Brazilian Civil Engineering Courses. Culture and Education Office.
2003	Winner of "LMP Excellence Award" for technical and scientific excellence and personal relationship.

PROFESSIONAL EXPERIENCE

2003-2006	Pavement Mechanics Laboratory (LMP) and Research National Council (CNPQ), Brazil. Researcher Engineer in Technological and Industrial Development for pavements and construction materials.
2001-2002	National Center for High Performing Computations (CENAPAD-NE), Brazil. Researcher and developer of software for numerical simulation of multi-layered systems.
1999-2001	Consortium Engesoft/Montgomery Watson, Brazil. Technician and Assistant Engineer in design of highways, dams, wasteful water management and water resources facilities.
1997-1999	Protégia Consultants for Engineering and Geology. Technician for design of highways, foundations, and bridges.

MEMBERSHIPS

Transportation Research Board (TRB).
 American Concrete Institute (ACI) – Chapter Student at UIUC (Directory member).
 International Society for Concrete Pavements (ISCP)
 Institute of Transportation Engineers (ITE) – Chapter Student at UIUC (Directory member).
 Society of Hispanic Professional Engineers (SHPE) at UIUC.

PUBLICATIONS**Accepted but not yet published**

EVANGELISTA JUNIOR, F. and ROESLER, J.R. "PREDICTIONS OF TOP-DOWN CRACKING ON AIRFIELD PAVEMENTS".
 Presented at 2009 Transportation Research Board (TRB) and accepted for the Transportation Research Records (TRR), 2009.

EVANGELISTA JUNIOR, F., ROESLER, J.R., and PAULINO, G.H. "NUMERICAL SIMULATIONS OF THE FRACTURE RESISTANCE OF FUNCTIONALLY GRADED CONCRETE MATERIALS". Presented at 2009 Transportation Research Board (TRB) and recommended for the Transportation Research Records (TRR), 2009.

Refereed Journal Publications

SOUZA, F. V., SOARES, J. B., ALLEN, D. H., EVANGELISTA JUNIOR, F. "A MODEL FOR PREDICTING DAMAGE EVOLUTION IN HETEROGENEOUS VISCOELASTIC ASPHALTIC MIXTURES". Transportation Research Record, n° 1891, pp. 131-139, 2004.

Conference Publications

- EVANGELISTA JUNIOR, F. and ROESLER, J.R. "IS TOP-DOWN CRACKING CRITICAL ON AIRFIELD PAVEMENTS?" In 9th International Conference on Concrete Pavements, San Francisco, USA, 2008.
- EVANGELISTA JUNIOR, F., ROESLER, J. "EFFECT OF THERMO-MECHANICAL LOADING ON THE CRITICAL GEAR POSITIONS IN RIGID PAVEMENTS ANALYSIS". 9TH US National Congress on Computational Mechanics, 2007.
- ROESLER, J., EVANGELISTA, F., DOMINGUES, M. "ALTERNATIVE CRACKING LOCATIONS ON AIRFIELD RIGID PAVEMENTS" Federal Aviation Administration (FAA) Airport Technology Transfer Conference, 2006.
- EVANGELISTA JUNIOR, F., SOUZA, F. V., SOARES, J. B. "COHESIVE CRACK MODELING AND MULTI-SCALE ANALYSIS OF ASPHALTIC MATRIX COMPOSITES". Fracture of Composite Materials (European Mechanics Society), 2006.
- HOLANDA, A. S., PARENTE JUNIOR, E., ARAÚJO, T. D. P., MELO, L. T. B., EVANGELISTA JUNIOR, F., SOARES, J. B. "AN OBJECT-ORIENTED SYSTEM FOR FINITE ELEMENT ANALYSIS OF PAVEMENTS". Third European Conference in Computational Mechanics: Solids, Structures and Coupled Problems in Engineering (ECCM), 2006.
- EVANGELISTA JUNIOR, F., SOUZA, L. T. SOARES, J. B. "DIGITAL IMAGE PROCESSING AND MICROMECHANICAL ANALYSIS OF ASPHALT COMPOSITES" (*in Portuguese*). Proceedings of XVIII Asphalt Meeting of Brazilian Institute of Petroleum (IBP), 2006.
- EVANGELISTA JUNIOR, F., PARENTE JUNIOR, E., SOARES, J. B. "DYNAMICAL ANALYSIS OF PAVEMENTS". 7th World Congress on Computational Mechanics (WCCM), 2006.
- EVANGELISTA JUNIOR, F., SOARES, J. B., SOUZA, F. V. "VISCOELASTIC MODELING AND CRACK PROPAGATION IN BITUMINOUS MATERIALS". Proceedings of II International Workshop on New frontiers in Computational Geotechnics (IWS), v.1, 2004.
- EVANGELISTA JUNIOR, F., SOUZA, F. V., CAVALCANTE NETO, J. B., SOARES, J. B. "A COMPUTATIONAL MODELING APPROACH FOR HOMOGENIZATION TECHNIQUES BASED ON THE FINITE ELEMENT METHOD". Proceedings of XXIV Iberian Latin-American Congress on Computational Methods in Engineering (CILAMCE), v. 1, 2003.
- EVANGELISTA JUNIOR, F., SILVA, E. R. A. E., SOARES, J. B. "GRAPHICAL INTERFACE TO 2D AND 3D FINITE ELEMNET ANALYSIS OF PAVEMENTS". Proceedings of VII National Congress in Computational and Applied Mechanics, v. 4, pp. 1781-1790, 2003.

SOFTWARES (NON-REGISTERED)

- HOLANDA, A. S., PARENTE JUNIOR, E., ARAÚJO, T. D. P., MELO, L. T. B., EVANGELISTA JUNIOR, F., SOARES, J. B. "CAP3D", 2006.
- HOLANDA, A. S., PARENTE JUNIOR, E., ARAÚJO, T. D. P., MELO, L. T. B., EVANGELISTA JUNIOR, F., SOARES, J. B. "SYSPAVE", 2006.
- EVANGELISTA JUNIOR, F., SILVA, E. R. A. E., SILVA, A. N. "SIMFRA 3D" , 2002.
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