

# Sabrina Macedo Moran

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## EDUCATION

**Stanford University, Stanford, CA**

*Master of Science in Civil & Environmental Engineering*

**Mar 2005**

**Cornell University, Ithaca, NY**

*Bachelor of Science in Civil & Environmental Engineering, Cum Laude*

**May 2003**

**Study Abroad**

Cornell-in-Rome, Architecture and Art

**2002**

**Engineer-in-Training (EIT) Certificate, California**

**2004**

## FOREIGN LANGUAGES

Fluent, spoken and written: • English (native) • Portuguese • Spanish (proficient)

## WORK EXPERIENCE

**JGP Consultoria e Participações, São Paulo, Brazil**

**Jun 2010 – present**

*Civil Engineer*

- Participate on a multi-disciplinary team to prepare Environmental Impact Assessments (EIAs) and mitigation programs for energy, mining, transportation, and tourism projects in Brazil and other countries.
- Quantify greenhouse gas emissions caused by project implementation: hydropower, transportation, land-use changes.
- Prepare Due Diligence evaluations to evaluate socio-environmental impacts of infrastructure projects seeking resources from international lenders.
- Inspect areas subject to direct impacts by projects, as well as methodical review of technical and legal documentation and selective consultations with stakeholders.
- Responsible for final review of all outgoing English documents to international clients; manage a team of independent translators.

**Ambiental PV, Ltda, Salvador da Bahia, Brazil**

**Jun 2008 – May 2010**

*Project Manager*

- Developed forestry projects (avoided deforestation - REDD, reforestation) in Bahia, Minas Gerais, and Rio Grande do Sul that operate within international voluntary carbon markets; prepared Project Design Documents (PDDs) for The Nature Conservancy, Conservation International and CARE, and managed the certification and validation process to comply with the highest international standards (CDM, VCS, CCB), maintaining continuous contact with clients.
- Developed and implemented new, appropriate renewable energy technology (biomass cookstoves) in rural areas of northeastern Brazil as part of Natura's Carbon Neutralization Program, strengthening local capacity and reducing greenhouse gas emissions, indoor air pollution, and wood consumption; prepared the PDD according to the Gold Standard.
- Engaged local stakeholders of our target region; designed, carried out and documented stakeholder consultation process, performed field-testing and user-surveys of new sustainable technologies, and managed all project information in a custom database.
- Supported the preparation, planning, and implementation of new sustainable development projects in our target region (northeastern Brazil, Atlantic Rainforest) and the grant application process.
- Carried out research and presentations for international workshops in Peru and Ecuador for IUCN on Payments for Ecosystem Services, renewable energy, and sustainable development in Brazil.

**Robert Silman Associates, Washington, D.C.**

**Jul 2005 – Jan 2008**

*Structural Engineer*

- Performed structural analysis, design, and drafting for additions, stabilizations, and renovations for residential, commercial and historic buildings (wood, steel, and concrete).
- Surveyed historic sites and analyzed existing documentation to prepare investigative structural reports for architects, building owners and renovation teams; reports included calculation of existing load capacities for structural systems; recommending how to re-use historic structure for new end use; design of new openings; reinforcement schemes.
- New construction, such as the design of composite steel floor framing for new hospital at the University of Virginia; footings, floor systems, roof systems, and detailing for new residences.

- Renovations, such as the new headquarters for the Textile Museum in Washington, D.C., analyzed the existing composite floor tile system to prepare for demolition and reconstruction plans.
- Managed contractors at jobsites to ensure proper accordance to construction documents, such as structural probe investigations into historic structures.

**National Trust for Historic Preservation, Washington, D.C.**

**Sep – Mar 2006**

*Robert Silman Fellow for Preservation Engineering*

- Awarded 6-month fellowship at the National Trust for Historic Preservation Historic Sites Department.
- Analyzed structural and maintenance issues and recommended conservation methods for historic sites nationwide with teams of consultants and contractors; e.g. investigation and analysis of historic floor systems in Louisiana estate, site surveys for Farnsworth House (Plano, IL), historic archive research for historic residence in San Antonio, TX, and historic Hemingway home in Havana, Cuba.
- Advised Site Directors on grant proposals for National Trust funds and on contractor selection for special projects; e.g. maintenance and drainage project for ante-bellum estate in Louisiana and limestone restoration techniques in south Texas.

**Lawrence Berkeley National Laboratory, Berkeley, CA**

**Mar – May 2005**

*Visiting Scientist, Energy and Environment Division*

- Researched international energy trends and compiled energy resource data.
- Evaluated industrial voluntary agreements as submitted by global energy organizations.
- Began the life-cycle analysis of various commercial products.
- 2005 California Climate Action Registry Conference attendee.

**FORTHCOMING PUBLICATION**

**Um Estudo Econômico de Viabilidade de Pagamentos por Serviços Ambientais e REDD como Ferramenta de Desenvolvimento (2011)**

*Dr. Henrique Tome da Costa Mata, Daryl William Brown, and Sabrina Macedo Moran*

- Sponsored by the Associação Nacional dos Centros de Pós-Graduação em Economia (ANPEC) and the Brazilian Development Bank (BNDES)

**HONORS/ACTIVITIES**

President, North Bahia Rotaract Club

Founder's Fund Award for Young Professionals

from Association for Preservation Technology  
Stanford 3M Diversity Fellow (2003-05)

Coordinator, Advising Program for Latino freshmen

Chi Epsilon Civil Engineering Honor Society

Member & Conference attendee: Engineers for a  
Sustainable World