

UNIVERSITY OF MIAMI
Curriculum Vitae
Standard Format

1. Date: 30 August 2011

PERSONAL

2. Name: Douglas O. Fuller

HIGHER EDUCATION

3. Institutional:

University of Maryland, College Park. Ph.D., Geography, 1994.

University of Wisconsin-Madison; Master of Arts, Ibero-American Studies, 1988.

University of Wisconsin-Madison; Bachelor of Science, Botany, 1983.

4. Non-Institutional (description; dates): N/A

5. Certification, licensure (description; board or agency; dates):

National Institutes of Health, Office of Extramural Research, Certificate on Protecting Human Research Participants, June 2010.

EXPERIENCE

6. Academic (institutions; rank/status; dates):

Department Chair, Department of Geography and Regional Studies, University of Miami. Coral Gables, Florida; June 2007 – present (on sabbatical 2010-2011 academic year).

Associate Professor, Department of Geography and Regional Studies, University of Miami, Coral Gables, Florida; July 2003 (Tenured July 2003) – present.

Assistant Professor, Geography and International Affairs, Department of Geography, George Washington University, Washington, DC, 1997-2003.

Graduate Teaching Assistant, Department of Geography, University of Maryland, College Park, 1989-91.

7. Non-academic (employers; title; responsibilities; dates):

Technical Advisor in Ecology, Centre de Suivi Ecologique, United Nations Development Programme; Dakar, Senegal. 1995-97.

Senior Program Officer, World Wildlife Fund-US, Asia and Pacific Programs, 1994-95.

Project Assistant, World Resources Institute, Washington, DC, 1988-89.

Staff Biologist, TRAFFIC(U.S.A.), Washington, DC, 1984-86.

8. Military (branch; rank; responsibilities; dates): N/A

PUBLICATIONS

9. Books and monographs published: N/A

10. Juried or refereed journal article and exhibitions:

Fuller, D.O., Parenti, M.S., Gad, A., Beier, J.C. (2012). Land cover in Upper Egypt assessed using regional and global land cover products derived from MODIS imagery. *Remote Sensing Letters* **3**: 171-180, doi: 10.1080/01431161.2011.551847.

Herrera, S., Quiñones, L.S., Quintero, J.P., Corredor, V., **Fuller, D.O.**, Mateuse, J.C., Calzada, J.E., Gutierrez, J.B., Llanosh, A., Sotoi, E., Menendez, C., Wuk, Y., Alonso, P., Carrasquillal, G., Galinskim, M., Beier, J.C, Arevalo-Herrera, M. (2011). Prospects for malaria elimination in non-Amazonian regions of Latin America. *Acta Tropica*, doi: 10.1016/j.actatropica.2011.06.018.

LeComber, S., Rossmo, K., Hassan, A., **Fuller, D.O.** and Beier J.C. (2011). Geographic profiling as a novel spatial tool for targeting infectious disease control. *International Journal of Health Geographics* **10**:35 doi:10.1186/1476-072X-10-35.

Fuller, D.O., Hardiono, M., Meijaard, E. (2011). Deforestation projections for carbon-rich peat swamp forests of Central Kalimantan, Indonesia. *Environmental Management* **48**: 436-447.

Wang, X., **Fuller, D.O.**, Sternberg, L., and Miralles, F. (2011). Foliar nutrient accumulation in subtropical tree islands: A new chemohydrodynamic link between satellite vegetation indices and foliar $\delta^{15}\text{N}$ values. *Remote Sensing of Environment* **115**: 923-930, doi:10.1016/j.rse.2010.11.019.

Fuller, D.O., Meijaard, E., Christy, L. and Jessup, T.C. (2010). Mapping threats to biodiversity within ecoregions: an example from East Kalimantan, Indonesia. *Applied Geography* **30**: 416-425.

Fuller, D.O., Troyo, A., Calderón-Arguedas, O., and Beier, J.C. (2010). Dengue vector (*Aedes aegypti*) larval habitats in an urban environment of Costa Rica analysed with ASTER and QuickBird imagery. *International Journal of Remote Sensing* **31**: 3-11.

Fuller, D.O., Troyo, A. and Beier, J.C. (2009). ENSO and vegetation dynamics as predictors of dengue fever cases in Costa Rica. *Environmental Research Letters* **4**: 014011.

Troyo, A., **Fuller, D.O.**, Calderón-Arguedas, O., Solano, M.E. and Beier, J.C. (2009). Urban structure and dengue fever in Puntarenas, Costa Rica. *Singapore Journal of Tropical Geography* **30**: 265-282.

- Troyo, A., Calderón-Arguedas, O. **Fuller, D.O.**, Solano, M.E., Avendaño, A. Arheart, K.L., Chadee, D.D., and Beier, J.C. (2008). Seasonal profiles of *Aedes aegypti* (Diptera: Culicidae) larval habitats in an urban area of Costa Rica with a history of mosquito control. *Journal of Vector Ecology* **33**: 76-88.
- Troyo, A., **Fuller, D.O.**, Calderón-Arguedas, O., and Beier, J.C., (2008). A geographical sampling method for surveys of mosquito larvae in an urban area using high-resolution satellite imagery. *Journal of Vector Ecology* **33**: 1-7.
- Fuller, D.O.** and Roy Chowdhury, R. (2006). Editorial: Monitoring and Modelling Tropical Deforestation. *Singapore Journal of Tropical Geography* **27**: 1-3.
- Fuller, D.O.** (2006). Tropical forest monitoring and remote sensing: A new era of transparency in forest governance? *Singapore Journal of Tropical Geography* **27**: 15-29.
- Fuller, D.O.** and Murphy, K.J. (2006). The ENSO-fire dynamic in insular Southeast Asia. *Climatic Change* **74**: 435-455.
- Fuller, D.O.** (2005). Remote detection of invasive *Melaleuca* trees (*Melaleuca quinquenervia*) in South Florida using multispectral IKONOS imagery. *International Journal of Remote Sensing* **26**: 1057-1063.
- Fuller, D.O.**, Jessup, T.C., and Salim, A. (2004). Forest loss in Kalimantan, Indonesia since the 1997-1998 El Niño event. *Conservation Biology* **18**: 249-254.
- Fuller, D.O.**, Williamson, R.A., and Jeffe, M. (2003). IKONOS imagery for mapping transportation infrastructure. *International Journal of Remote Sensing* **24**: 4625-4626.
- Fuller, D.O.**, Jeffe, M., Williamson, R.A., and James, D. (2003). Multi-criteria evaluation of safety and risks along transportation corridors on the Hopi Indian Reservation. *Applied Geography* **23**: 177-188.
- Fuller, D.O.** (2003). MODIS data used to study 2002 fires in Kalimantan, Indonesia. *Eos, Transactions of the American Geophysical Union* **84**:189, 192.
- Fuller, D.O.** and Ottke, C. (2002). Land cover, rainfall, and land-surface albedo in West Africa. *Climatic Change* **54**: 181-204.
- Fuller, D.O.** (2001). Forest fragmentation in Loudoun County, Virginia evaluated with multitemporal Landsat imagery. *Landscape Ecology* **16**: 627-642.
- Fuller, D.O.** and Fulk, M. (2001). Burned area in Kalimantan, Indonesia mapped with NOAA-AVHRR and Landsat TM imagery. *International Journal of Remote Sensing* **22**: 691-697.
- Fuller, D.O.** (2000). Satellite remote sensing of biomass burning using optical and thermal sensors. *Progress in Physical Geography* **24**: 543-561.
- Fuller, D.O.** and Fulk, M. (2000). Comparison of NOAA-AVHRR and DMSP-OLS for operational fire monitoring in Kalimantan, Indonesia. *International Journal of Remote Sensing* **21**: 181-187.
- Fuller, D.O.** (1999). Canopy phenology of some mopane and miombo woodlands in eastern Zambia. *Global Ecology and Biogeography* **8**: 199-210.
- Fuller, D.O.** (1998). Trends in NDVI time series and their relation to rangeland and crop production in Senegal, 1987-1993. *International Journal of Remote Sensing* **19**: 2013-2018.

Fuller, D.O., Prince, S.D., and Astle, W.L. (1997). The influence of canopy strata on remotely sensed observations of savanna-woodlands. *International Journal of Remote Sensing* **18**: 2985-3009.

Fuller, D.O. and Prince, S.D. (1996). Rainfall and foliar dynamics in tropical southern Africa: potential impacts of global climatic change on savanna vegetation. *Climatic Change* **33**: 69-96.

11. Other works, publications and abstracts:

Manuscripts under review

Fuller, D.O., Miettinen, J., Meijaard, E. (under review). Deforestation, degradation and forest regrowth in Indonesia's protected areas from 2000-2010. Submitted to *Conservation Letters*.

Fuller, D.O., Meijaard, E. (under review). Decoupling of ENSO and fires in insular Southeast Asia. Submitted to *Climatic Change*.

Fuller, D.O., Parenti, M.S., Wdowinski, S. (in revision). Hurricane effects on mangrove canopies observed with MODIS and SPOT imagery. *International Journal of Applied Earth Observation and Geoinformation*.

Book Chapters

Fuller, D.O. (2002). Environmental Remote Sensing of the South China Sea. In *Cooperative Monitoring for the South China Sea: Using Satellite Imagery to Mitigate the Spratly Islands Disputes*, edited by J. C. Baker and D. G. Wiencek, Praeger, Greenwood Publishing Group, Westport, Connecticut, pp. 147-164.

Anderson, A.H., **Fuller, D.O.** and Kane, R. (1999). Socioeconomic and biophysical factors related to bush-fires in Senegal. In: P.O. Adeniyi (ed.), *Geo-Information Technology Applications for Resource and Environmental Management in Africa*, AARSE Publications, The Netherlands, pp. 23-29.

Fuller, D.O. and Prince, S.D. (1996). Regional-scale foliar phenology in tropical Southern Africa: An application of the Fast Fourier Transform to time series of satellite imagery. In S. Azzali, and M. Menenti, editors, *Fourier Analysis of Temporal NDVI in the Southern African and American Continents*. Winand Staring Centre for Integrated Land, Soil and Water Research, Wageningen (The Netherlands) pp.113-132.

Book Reviews

Fuller, D.O. (2006). The Physical Geography of Southeast Asia. *Annals Association of American Geographers* **96**: 448-450.

Fuller, D.O. (2000). The fallacy of popular wisdom in African wildlife management. *Conservation Biology* **14**: 586-587.

Popular Writings

Fuller, D.O. (1989). Black bears find an unlikely protector. *New Scientist* 30 September 1989.

Fuller, D.O. (1989). Fungi hold the key to healthy orchids. *New Scientist* 3 June 1989.

Fuller, D.O. (1988). Eucalypts fuel the furnaces of Brazil's steelworks. *New Scientist* 18 February 1988.

Conference Proceedings, Presentations, and Published Abstracts

Yang, X, **Fuller, D.O.**, Sternberg, L.O., & Miralles-Wilhelm, F.R. 2010. Remote sensing analysis of foliar water and nutrient content in subtropical wetland tree islands. Fall meeting of the American Geophysical Union, San Francisco, CA, Dec. 15, 2010.

Fuller, D.O., Land change and emissions modeling in Central Kalimantan, Indonesia. Association of American Geographers Annual Meeting, Washington, DC, April 2010.

Troyo, A., **Fuller, D.O.**, and Beier, J.C., Modeling dengue cases in health regions in Costa Rica using El Niño Southern Oscillation and vegetation dynamics. *American Journal of Tropical Medicine and Hygiene* 81: 124-124 Supplement: Suppl. S Meeting Abstract: 433, December 2009.

Fuller, D.O., Troyo, A. and Beier, J.C., Climate-based modeling of dengue fever cases in Singapore using local and global data. Asia-Oceania Geophysical Sciences (AOGS) meeting, Singapore, August 2009.

Troyo, A., Arheart, K.L, **Fuller, D.O.**, Calderon-Arguedas, O., and Beier, J.C. Associations between urban structure and *Aedes aegypti* habitat in Puntarenas, Costa Rica. American Society for Tropical Medicine and Hygiene, Annual Meeting, New Orleans, December 2008.

Fuller, D.O. and Troyo, A. Climate-based modeling of dengue cases in Costa Rica. Second International Conference on Dengue and Dengue Hemorrhagic Fever. Phuket, Thailand, October 2008.

Fuller, D.O. Phenological Changes Observed in Eastern North America using NDVI data from the 8-km NOAA-AVHRR. International Congress of Biometeorology. Tokyo, Japan, September 2008.

Cohen, A. **Fuller, D.O.** (2008). Multi-resolution Analysis of Land-Cover and Seasonality of Northern Hardwood Forests. Florida Society of Geographers, Annual Meeting, Miami, January 2008.

Cohen, A. and **Fuller, D.O.** Multi-resolution Analysis of Land-Cover and Seasonality of Northern Hardwood Forests. Association of American Geographers, Annual Meeting, Boston, MA, April 2008.

Fuller, D.O. Mapping tropical cyclone damage to mangrove habitats: An example from South Florida. Map Asia 2007, Kuala Lumpur, Malaysia. 2007.

Fuller, D.O. and Wdowinski, S. Mapping tropical cyclone damage to mangrove habitats: An example from South Florida. *Eos Transactions* 88(52), Fall Meeting Supplement, Abstract B43C-1455. 2007.

Troyo, A., Calderon-Arguedas, O., Avendano, A., **Fuller, D.O.**, Beier, J.C. Profile of mosquito larval habitats in urban Puntarenas, Costa Rica. *American Journal of Tropical Medicine and Hygiene* 77: 255-256, Art. No. 894. 2007.

Troyo, A., **Fuller, D.O.**, Calderon-Arguedas, O., and Beier, J.C., "A geographical sampling strategy for field surveys in an urban area using high-resolution remote sensing." *American Journal of Tropical Medicine and Hygiene* 75: 177 Art. No. 613. 2006.

Troyo, A., **Fuller, D.O.**, Calderon, O., and Beier, J.C., "Factors affecting the distribution of dengue in Puntarenas, Costa Rica and the application of remote sensing and geographic information systems." *American Journal of Tropical Medicine and Hygiene* 73: 239-240, Art. No. 725, 2005.

Fuller, D.O. and Murphy, K.J. (2005). Rapid land cover assessment in Indonesia using MODIS reflectance composites. Asia-Oceania Geophysical Society Annual Meeting, Singapore, June 23.

Fuller, D.O. and Murphy, K.J. (2004). The ENSO-fire dynamic in insular Southeast Asia. *Eos Transactions* Fall meeting of the American Geophysical Union, San Francisco, CA, Dec. 13-17.

Fuller, D.O. (2004). Remote sensing and forest governance: A new era of transparency for Indonesia? Workshop on Remote Sensing and Forest Governance in Indonesia: Increasing Transparency and Accountability. Bogor, Indonesia, Center for International Forestry Research (CIFOR), co-sponsored by the University of Miami, Center for Ecosystem Science and Policy.

Fuller, D.O. and T.C. Jessup (2004). Spatial conservation planning at the sub-ecoregional level: An example from East Kalimantan, Indonesia. Association of American Geographers Annual Meeting, Philadelphia, PA.

Fuller, D.O. and T.C. Jessup (2003). Forest cover in Kalimantan, Indonesia analyzed with MODIS satellite imagery. International Association for Landscape Ecology World Congress, Darwin, Australia.

Fuller, D.O., Jeffe, M., Williamson, R.A., and James, D. (2002). Satellite remote sensing and transportation lifelines: Safety and risk analysis along rural southwest roads. Pecora 15 and Land Satellite Information IV Conference, Denver, CO.

Sahnoun, M.H., **Fuller, D.O.** and Elkamel, J. (2002). Monitoring rain-use efficiency in Tunisia with MODIS level 2G. Poster presentation, Spring Meeting, American Geophysical Union, Washington, DC.

Fuller, D.O., Williamson, R.A., Jeffe, M., and James, D. (2002). Mapping transportation hazards on the Hopi Reservation. AAG Annual Meeting, Los Angeles, CA.

Williamson, R.A. and **Fuller, D.O.** (2001) Satellite Remote Sensing and Transportation: Increasing Safety, Reducing Hazards. IAF-01-B.5.02. International Astronautical Federation Meeting, Toulouse, France, October.

Fuller, D.O. and Ottke, C. (2001). Land Cover, Rainfall and Land Surface Albedo in West Africa. *Eos Trans. AGU*, 82(47), Fall Meet. Suppl., Abstract B31B-0087, 2001

Fuller, D.O. (2000). Forest Fragmentation in the Piedmont of Northern Virginia and its Biophysical Consequences. AGU Annual Spring Meeting, Washington, DC.

Fuller, D.O. (1999). Identification of fire scars in Kalimantan, Indonesia with optical and thermal remote sensing. *Eos Transactions*, AGU Annual Fall Meeting, San Francisco, CA.

Fuller, D.O. (1999). Remote Sensing of Vegetation Fires in Indonesia: Scientific and Policy Implications. AAG Annual Meeting, Honolulu, Hawaii.

Fuller, D.O. (1998). Mapping for Profit: GIS and Development in Senegal, West Africa. AAG Annual Meeting, Boston, MA.

Fuller, D.O., Holm, J. and Bocoum, O. (1996). Changes in vegetation production and land-use patterns in Senegal from 1987 to 1994 observed from NOAA-AVHRR imagery. Proceedings of Conference on The Application of Remotely Sensed Data and Geographic Information Systems (GIS) in Environmental and Natural Resources Assessment in Africa, Harare, March 1996.

Menenti, M., Azzali, S., de Vries, A., **Fuller, D.O.**, and S. Prince (1993). Vegetation monitoring in southern Africa using temporal Fourier analysis of AVHRR/NDVI observations. Proceedings of International Symposium on Remote Sensing in Arid and Semi-Arid Regions, Lanzhou, China, 1992.

Technical reports

Williamson, R. and **Fuller, D.O.** (2001). Annotated Bibliography for Remote Sensing and Transportation Safety, Hazards, and Disaster Management. U.S. Department of Transportation, National Consortium for Safety, Hazards, and Disaster Assessment of Transportation Lifelines, *Technical Notes* #10 (<http://trans-dash.org>).

Williamson, R. and **Fuller, D.O.** (2001). Annotated Bibliography for Remote Sensing and Transportation Safety, Hazards, and Disaster Management. U.S. Department of Transportation, National Consortium for Safety, Hazards, and Disaster Assessment of Transportation Lifelines, *Application Briefs* #10.

Fuller, D.O. and M. Fulk (1998). An Assessment of Fire Distribution and Impacts during 1997 in Kalimantan, Indonesia Using Satellite Remote Sensing and Geographic Information Systems. Unpublished report prepared for Yayasan WWF - Indonesia, Jakarta, Indonesia.

Fuller, D.O. and M. Fulk (1998). Satellite Remote Sensing of the 1997-98 Fires in Indonesia: Data, Methods, and Future Perspectives. Unpublished report to The World Wide Fund for Nature - Indonesia Programme, Jakarta, Indonesia.

Fuller, D.O. (1991). *Medicine from the Wild: An Overview of the U.S. Native Medicinal Plant Trade and Its Conservation Implications*. World Wildlife Fund Publications, Baltimore, Maryland, 28 pp.

Fuller, D.O. and S. Fitzgerald, editors (1987). *Conservation and Commerce of Cacti and other Succulents*. World Wildlife Fund, TRAFFIC(USA), Washington, DC, 264 pp.

Fuller, D.O. (1987). The US Cactus Business, In *Conservation and Commerce of Cacti and other Succulents* (Fuller, D. O. and S. Fitzgerald, editors). World Wildlife Fund, TRAFFIC(USA), Washington, DC, pp. 185-225.

12. Other works accepted for publication:

N/A

PROFESSIONAL

13. Funded Research

AusAID, Reference Emissions Level (REL) Modelling and Workshop Design for Land Managers in Kapuas District, Central Kalimantan, Indonesia. Amount: AUD 29,500. Role: Principal Investigator. Duration: May-December 2011. Effort: 1.5 academic months.

Fulbright Commission Brazil, “Climate-based prediction of dengue fever outbreaks in Manaus, Brazil.” Amount: \$15,500. Role: Fulbright Scholar. Duration: July 2011-August 2012. Effort: 3 summer months.

The National Institutes of Health. “Latin American Center for Malaria Research and Control.” Amount: \$627,000 (direct costs). Role: Investigator (J.C. Beier, PI). Duration: July 2010-June 2017. Effort: 1 month per year.

The National Institutes of Health. “Environmental Changes and Mosquito-borne Diseases in Arid Environments.” Amount: \$2.37 million. Role: Investigator (J.C. Beier, PI). Duration: July 2010-June 2015. Effort: 0.5 month per year.

National Aeronautics and Space Administration. “WaterSCAPES: Science of Coupled Aquatic Ecosystems in Ecosystems from Space. Role: Co-Principal Investigator (S. Wdowinski, PI), Amount: \$749,639. Duration: January 2009 - December 2013. Effort: 0.75 summer month per year.

Government of Costa Rica. Determinación de la distribución espacial de hábitats larvales de *Aedes aegypti* según la estructura urbana utilizando sistemas de información geográfica y sensores remotos de muy alta resolución. (A. Troyo, PI). Role: Collaborator. Amount: \$10,000. Duration: April 2009-March 2010.

The National Institutes of Health. “InterVector: Vector-borne Diseases in Urban Environments.” Role: Investigator (J. Beier, PI), Funding: National Institutes of Health, Amount: \$1.2 million. Duration: August 2004-July 2007.

The Nature Conservancy. “Mapping forest cover in East Kalimantan: An evaluation of conservation effectiveness at TNC portfolio sites.” Role: Principal Investigator, Funding: The Nature Conservancy, Amount: \$2,700, Duration: December 2004-February 2005.

Florida Department of Health. “Development of new web-based GIS visualization tools for the Florida Cancer Data System.” Role: Project supervisor. Amount: \$35,000. Duration: July 2004-June 2005.

The Nature Conservancy. “GIS-based, ecoregional threats analysis for East Kalimantan, Indonesia.” Role: Principal Investigator. Funding agency: The Nature Conservancy. Amount: \$9,350. Duration: January-May 2003.

Loudoun County, Virginia. “Loudoun County Environmental Indicators Project.” Role: Co-Principal Investigator (D.C. McGrath, PI). Funding Agency: The Virginia Environmental Endowment and other donors. Amount: \$305,000 (est.). Duration: 1998-2002. Effort: 1 month per year.

US Department of Transportation. “National Consortium on Remote Sensing and Transportation.” Role: Collaborator (R. Williamson, PI). Subcontract from the University of New Mexico. Amount: \$360,000 (est.). Duration: March 2000-2003. Effort: 1 month per year.

WWF Indonesia. “Fire in Nusa Tenggara, Past and Present: A satellite-based assessment.” Role: Principal Investigator. Amount: \$5,950. Duration: June – September 2000.

WWF Indonesia. "Remote sensing and Mapping of Fires in Indonesia: Phase II." Role: Principal Investigator. Funding Agency: Yayasan WWF Indonesia. Amount \$13,120. Duration: July 1999 – June 2000.

WWF Indonesia. "Remote Sensing and Mapping of Fires in Indonesia: 1997-98." Role: Principal Investigator. Subcontract from Clark University, Amount: \$18,327. Duration: October 1998 – June 1999.

WWF Indonesia. "Analysis of Causes and Impacts of Forest Fires and Haze in Indonesia." Role: Principal Investigator. Funding Agency: Yayasan WWF Indonesia Amount: \$3,300. Duration: January – June 1998.

The National Science Foundation. "Doctoral Dissertation Improvement Award." Role: Doctoral Student (S.D. Prince, Faculty Advisor). Funding Agency: The National Science Foundation Amount: \$9,100. Duration: October 1992 – October 1993.

National Aeronautics and Space Administration. "NASA Global Change Ph.D. Fellowship Program." Role: Doctoral Student (S.D. Prince, Faculty Advisor). Amount: \$44,000. Duration: September 1991- August 1993.

WWF-US. "Conservation of Medicinal Plants in the Eastern United States." Role: PI. Amount: \$9,400. Duration: May 1990-June 1991.

Intramural Funding and Awards

Interdisciplinary Research Development Initiative. University of Miami. Project Title: Dengue in the Americas. Source: University of Miami Miller School of Medicine. Amount: \$100,000; Duration: May 2009-April 2010; Role: Co-Principal Investigator.

Summer Award in the Natural Sciences and Engineering. Project Title: Wildfires in South Florida: Effects of Land Cover and Use on Fire Distribution; Source: UM Research Council; Amount: \$9,500; Duration: May-August 2005; Role: Principal Investigator.

Center for Ecosystem Science and Policy Seed Grant. Source: CESP, University of Miami; Amount: \$25,000; Duration: June-September 2004; Role: Co-Investigator.

Growing season duration and the urban heat island. University Facilitating Fund (UFF), The George Washington University. Amount: \$12,105. 2003-2004.

Development of New Courses in Global Studies. Elliot School of International Affairs, The George Washington University. Amount: \$3,500. Summer 2001.

Release Time for Research Award. The George Washington University. Spring Semester 2001.

Junior Scholar Incentive Award. The George Washington University. Amount: \$5,000. Summer 2000.

Mapping Land Degradation West Africa with Satellite Remote Sensing. University Facilitating Fund (UFF), The George Washington University. Amount: \$7,358.99. 1999-2000.

Vilas Graduate Fellowship. The University of Wisconsin – Madison. Amount: \$1,500. Fall Semester 1987.

14. Editorial responsibilities:

International Editorial Advisory Board, *Singapore Journal of Tropical Geography* (May 2005 --)

Guest Editor, Special Issue on Remote Sensing of Tropical Deforestation, *Singapore Journal of Tropical Geography* (publication March 2006).

15. Professional and Honorary Organizations (member; officer; date): N/A

16. Honors and Awards:

Fulbright Scholar, Brazil, 2011-2012 Academic Years.

Adjunct Associate Professor (courtesy appointment) and member of the Graduate Faculty, Department of Geography, University of Maryland, College Park, MD (November 2006).

17. Post-Doctoral Fellowships: N/A

18. Other Professional Activities (e.g., papers presented; performances; conference proceedings; seminar or conference panel member; catalogue work; etc.):

Selected Invited Lectures:

2010, University of Tennessee, Knoxville, "Fires and Deforestation in Indonesia"

2010, Universidad de Costa Rica, "Climate-based modeling of vector-borne diseases"

2008, Woods Hole Research Center, "Remote Sensing of Deforestation in Indonesia"

2007, Clark University, "Dengue fever and remote sensing in Costa Rica"

2005, National University of Singapore, "The ENSO-fire dynamic in Southeast Asia"

TEACHING

19. Teaching Awards Received: N/A

20. Teaching Specialization (courses taught):

Introduction to Environmental Geography

Introduction to Physical Geography

Geography of Africa

Introduction to Remote Sensing

Environmental Remote Sensing

Advanced Remote Sensing

Graduate Seminar, Environment and Resources

Graduate Seminar, Resources and Development

Environmental Quality and Management

Global Environmental Change

Geography of Latin America

Introduction to GIS

Environmental Geography, Current Topics

21. Thesis and Dissertation Advising/Post-doctoral student supervision (chairman or committee member; topic; student name; date):

Kate Crosley, PhD candidate (ECS), Co-Chair
Michael Parenti, PhD candidate (ECS), Co-Chair
Karolina Janik, MA candidate (Geography)
Michael Parenti, MA, 2010 (Chair)
Amy Cohen, MA, 2009 (Chair)
Jason Cohen, MA, 2009 (Co-Chair)
Miles Kenny-Lazar, BA, 2008 (BA Honors Thesis, Committee Member)
Edger Espinoza, MA, 2008. University of Miami (Co-Chair)
Ian Berdie, MA, 2008. University of Miami (Chair)
Dominique Werboff, 2006. University of Miami (BA Honors Thesis)
Adriana Troyo, Ph.D. 2008, University of Miami
Michael Jeffe, MA, 2003. The George Washington University (Chair).
C. Ottke, MA, 2001. The George Washington University (Chair).
Lola Smith, MA, 2001. The George Washington University (Chair).

SERVICE

22. University Committee and Administrative Responsibilities:

Departmental

Department Chair (June 2007 – present)
Search Committee Chair (2008)
Search Committee Chair (2005)
Graduate Program Director, University of Miami (2005-2006)
Graduate Advisor, George Washington University (GWU, 2001 – 2003)
Webmaster, GWU (1999)
Organizer, Departmental Seminar Series, GWU (1999 – 2001)
GWU Gelman Library Representative (1997-1998)

College of Arts and Sciences

Environmental Studies/Science Committee, GWU (1998-present)

University

Abess Center for Ecosystem Science and Policy Advisory Committee, UM (2004-)
University Honors Committee, GWU (2001-2003)
Web Advisory Committee, GWU (2001-2002)

Manuscript referee (number of manuscripts):

Acta Tropica (5)
Animal Conservation (1)
Applied Geography (2)
Aquatic Conservation: Marine and Freshwater Ecosystems (1)
Atmospheric Environment (1)
Biological Conservation (4).
Biotropica (1)
Computers, Environment, and Urban Systems (1)
Earth Science Informatics (1)
Ecological Applications (1).
Environmental Management (6)
Environmental Research Letters (4)
Geographical and Environmental Modelling (1)
Global Change Biology (2)
Global Ecology and Biogeography (1)
International Journal of Health Geographics (1)
International Journal of Remote Sensing (19)
International Journal of Wildland Fire (1)
Journal of Arid Environments (1)
Journal of Environmental Management (2)
Journal of Geography (1)
Photogrammetric Engineering and Remote Sensing (3)
Proceedings of the National Academy of Sciences (1)
Regional Environmental Change (1)
Remote Sensing of Environment (6)
Singapore Journal of Tropical Geography (12)
Water Resources Research (1)

Proposal Referee:

National Science Foundation, external (7).
National Science Foundation, IGERT (panelist).
Ohio Sea Grant Program.
Hubert Humphrey Fellowship Program (panelist).

Tenure and Promotion Reviews:

National University of Singapore, Department of Geography.

23. Community Activities:

Pro-bono GIS assistance to The Nature Conservancy (summer/fall 2002).

Pro-bono GIS assistance to The Kennebec Land Trust (2006-2007).