

CURRICULUM VITAE

September 5, 2007

NAME:

James R. Kahn

OFFICE ADDRESS:

Environmental Studies Program
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PERSONAL DATA:

Age: 54, Married, two children, U.S. Citizen

EDUCATION:

B.A. - Economics - Washington and Lee University, 1975

M.A. - Economics - University of Maryland, College Park, 1978

PhD. - Economics - University of Maryland, College Park, 1981

RESEARCH AND TEACHING INTERESTS

Environmental and Resource Economics, Environmental Studies, and Environmental Policy with emphasis on interaction between the economic system and the environment, the role of the environment in the economic development of developing countries, sustainable development, renewable resource systems, valuation of environmental resources, and global environmental problems.

PROFESSIONAL POSITIONS:

2000 - present Director of the Environmental Studies Program, Washington and Lee University

2003-present John F. Hendon Professor of Economics

2000-2003 Professor of Economics, Washington and Lee University

2000-2003 DuPont Professor of Environmental Citizenship, Washington and Lee University

2005-2006 Visiting Scholar, CNPq, Brazil

1992 - present Collaborating Professor, Universidade Federal do Amazonas, Manaus, Brazil

2001 Fulbright Scholar in Brazil

2000 Professor of Economics, University of Tennessee

- 1991 – 2000 Associate Professor of Economics, University of Tennessee
- 1999 – 2000 Director of Graduate Studies, Department of Economics,
University of Tennessee
- 1991 – 1999 Joint appointment as Collaborating Scientist, Oak Ridge National
Laboratory and University of Tennessee
- 1988 – 1991 Associate Professor of Economics, State University of New York,
Binghamton, New York
- 1989 – 1990 Director, Center for Education and Social Research, SUNY-
Binghamton
- 1980 - 1988 Assistant Professor, State University of New York, Binghamton,
New York
- 1979 – 1980 Faculty Research Assistant, Center for Environmental and
Estuarine Studies and Bureau of Business and Economic Research,
University of Maryland
- 1978 – 1979 Graduate Research Assistant, Bureau of Business and Economic
Research, University of Maryland
- 1976 – 1978 Graduate Teaching Assistant, Department of Economics,
University of Maryland
- 1975 – 1978 Economist, Federal Energy Administration/ Department of Energy,
Washington, D.C.

PUBLICATIONS:

Authored books (3):

The Economic Approach to Environmental and Natural Resources, 3rd edition, Thompson Learning/Southwestern Press, 2005.

The Economic Approach to Environmental and Natural Resources, 2nd edition, Harcourt Brace/Dryden Press, Fort Worth, 1998.

The Economic Approach to Environmental and Natural Resources, Harcourt Brace/Dryden Press, Fort Worth, 1995.

Edited Books (4):

A Handbook on Contingent Valuation, (co-edited with Anna Alberini, Edward Elgar Publishers, 2006.

Does Environmental Policy Work? The Theory and Practice of Outcomes Assessment (co-edited with David Irvin and Marie Livingston), Edward Elgar Publishers, London,. (2003)

Zero Emissions and Technology Assessment: Implications for Developing Countries, edited with Roberto Villas Boas, IATAFI, Oslo, Norway, 1998

The Contingent Valuation of Environmental Resources: Methodological Issues and Research Needs (edited with D. Bjornstad), Edward Elgar Publishing, London, 1996.

Refereed publications in scientific journals (42):

RIVAS, A. A. F. ; KAHN, James Randall ; CASEY, James . A preservação ambiental é um bem de luxo? Um estudo sobre o valor de ecossistemas de várzea na Amazônia. Planejamento e Políticas Públicas (IPEA), (forthcoming 2007).

Beyond Kyoto: A Tax-Based System for the Global Reduction of Greenhouse Gases (with Dina Franceschi) *Ecological Economics* Volume 58, Issue 4, 1 July 2006, Pages 778-787.

Linking Ecology and Economics for Ecosystem Management: A Services- Based Approach with Illustrations from LTER Sites, (with Farber, Costanza, et al) *Bioscience*, Volume 56, Issue 2 (February 2006) pp. 121–133

Willingness-to-Pay for improved water service in Manaus, Amazonas, Brazil (with Casey and Rivas), *Ecological Economics*, Volume 58, Issue 2, 15 June 2006, Pages 365-372

Indigenous people and sustainable development in Amazonas, (with C. Freitas and A. Rivas), *The International Journal of Sustainable Development and World Ecology*, 11:3, pp 312-325, 2004.

Demand-Side Policies for Environmental Protection and Sustainable Use of Renewable Resources (with Caviglia-Harris and Green), *Ecological Economics*, 4(2003), 119-132.

On the scarcity value ecosystem services (with Amit Batabyal and Bob O'Neill) *Journal of Environmental Economics and Management* 46:334-352, 2003

Beyond Strong Sustainability (with Franceschi) *International Journal of Sustainable Development and World Ecology*, 10(2003) 211-200.

Carbon Annuities as a Policy to Promote Sustainable Agroforestry and Slow Global Warming (with Caviglia-Harris) *International Journal of Sustainable Development* 6 (2003)

Information and the Subsistence Farmer's Decision to Deforest (with James Casey, Jill Caviglia and Alex Rivas) *International Journal of Sustainable Development*, 4:392-414, 2002.

Economic and Financial Aspects of Mine Closure (with D. Franceschi, A. Curi and E. Vale), *Natural Resources Forum* 25: 265-274, 2001

- Diffusion of Sustainable Agriculture In the Brazilian Tropical Rain Forest: A Discrete Choice Analysis (W. Jill Caviglia) *Economic Development and Cultural Change*, 49:2, pp 311-334, 2001
- Rethinking the Optimal Level of Environmental Quality: Justifications for Strict Environmental Policy (with Farmer, McDonald, O'Neill), *Ecological Economics*, 36: 461-473, 2001
- Homo Ecomomus* as a Keystone Species (with R. O'Neill). *Bioscience*, 50(4), pp 333-336, 2000.
- Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests (with McCormick and Nogueira), *Journal of Sustainable Forestry*, 12:99-122, 2000
- Demand-Side Approaches to Mitigating Open-Access Externalities: The Case of the Wild Fishery (w Trellis Green) *Asian Journal of Energy and Environment*, 1:51-67, 2000
- The Double Dividend, Second-Best Worlds, and Real-World Environmental Policy (with Amy Farmer) *Ecological Economics*, Volume 30, Issue 3, pp 433-439. 1999.
- Ecological Interaction as a Source of Economic Irreversibility (Robert O'Neill), *Southern Economic Journal*, 66(2), 381-402, 1999.
- Estimating the Rebound Effect For Household Vehicles in the US (with David Greene and Robert Gibson), *The Energy Journal*, 20(3), 1-31, 1999 (**received award as outstanding paper in the Energy Journal in 1999**).
- The Economic Implications for Sustainable Mining Within the Paradigm of Sustainable Development (with D. Franceschi) *Analise Economica*, ano 17, no 31, 141-154, 1999.
- "The potential contribution of economics to the recovery of Northeastern forests" (with D. Franceschi), *Northeastern Naturalist*, 5(2), pp155-164, 1998.
- "Economics and Ecology: The need for detente in Conservation Ecology", (with R.V. O'Neill and C.S. Russell) *Conservation Ecology* [online] 2(1): <http://www.consecol.org/vol2/iss1/art4> 1998.
- "Economic Growth and Sustainability: A New Challenge (with R.V. O'Neill, et al) *Ecological Applications*, (vol. 26. no 3, pp 23-24, 1996).
- "Square Pegs and Round Holes: Can the Economic Paradigm be used to Value the Wilderness", *Growth and Change* (vol. 26, no. 4, pp 591-611, 1995).

- "Third World Debt and Tropical Deforestation" (with J. McDonald) *Ecological Economics* (vol. 12, pp. 107-123, 1995)
- "Valuation and the Consequences of Multiple Sources of Environmental Degradation: The Case of the New York Striped Bass Fishery", (with R. Buerger) *Journal of Environmental Management*, (Vol. 40, pp. 257-273, 1994).
- "The Equilibrium Distribution of Population and Wages in a System of Cities," (with H.Ofek), *Review of Regional Studies*, vol. 22, no. 3, 1992.
- "Use Impairments and Ecosystem Impacts of the New York Bight" (with R.L. Swanson, T.M. Bell and J. Ohla), *Chemistry and Ecology*, vol. 5, pp 99-127, 1991
- "The Economic Value of Long Island Saltwater Recreational Fisheries" *New York Economic Review* vol. 12, pp 3-23, 1991.
- "City Size, Quality of Life, and the Urbanization Deflator of the GNP, 1919-1984: Reply" (with H. Ofek and D. Clark), *Southern Economic Journal*, vol. 57, pp1179-1182, 1991.
- "The Two Stage Hedonic Wage Approach: A Methodology for the Valuation of Environmental Amenities," (with D. Clark), *Journal of Environmental Economics and Management*, vol.16, pp106-120, March 1989.
- "The New York Value of Chesapeake Striped Bass" (with R. Buerger) *Marine Resource Economics*, vol. 6 no 1, pp19-25, 1989.
- "The Economic Damages of Beach Pollution" *Long Island Sound Update*, vol. 2, no. 5, 1989.
- "City Size, Quality of Life, and the Urbanization Deflator of the GNP," (with H. Ofek and D. Clark), *Southern Economic Journal*, vol. 54, pp 701-704, January 1988.
- "The Social Benefits of Urban Cultural Amenities," (with D.Clark), *Journal of Regional Science*, vol. 28. no 3, pp363-377, 1988.
- "The Value of Changes in Deer Hunting Quality: A Travel Cost Approach," (with Erol Balkan), *Applied Economics*, vol. 20, pp533-541, April 1988.
- "The Economic Effects of Brown Tides" (with Mark Rockel) *Journal of Shellfish Research*, vol. 7, no 4, pp 677-682, 1988.
- "The Economic Damages From Herbicide Pollution in Chesapeake Bay", *Project Appraisal*, vol. 2, pp. 142-152, September, 1987.
- "Measuring the Economic Damages Associated with Terrestrial Pollution of Marine Ecosystems", *Marine Resource Economics*, vol. 4, pp. 193-209, 1987.

"Economic Losses Associated With the Degradation of an Ecosystem: The Case of Submerged Aquatic Vegetation in the Chesapeake Bay", (with W.M. Kemp) *Journal of Environmental Economics and Management*, vol. 12, pp. 246-263, September, 1985.

"Congestion in Recreation: An Application of the Household Production Function with Separate Quantity and Quality Goods," *N.E. Regional Science Review*, vol. 13, pp. 35-59, 1983.

"The Estimation of Marginal Damage Functions: An Assessment of the Informational Requirements," (with J.H. Cumberland), *N.E. Regional Science Review*, vol. 12, pp. 1-12, 1982.

Chapters in books (29):

The Sustainable Economic Development of the Indigenous and Traditional Peoples (with Alexander Rivas) in *Post Keynesian Economics and the Environment*, R. Holt, M. Forstater and B Mitchell, eds, Edward Elgar Publishing, Aldershot, U.K, forthcoming

Introduction (with Anna Alberini, in *A Handbook of Contingent Valuation*, Kahn and Alberini, eds, Edward Elgar Publishers, 2006.

Conclusions (with Anna Alberini, in *A Handbook of Contingent Valuation*, Kahn and Alberini, eds, Edward Elgar Publishers, 2006.

An introduction to choice modeling for non-market valuation, (with Steven Stewart), in *A Handbook of Contingent Valuation*, Kahn and Alberini, eds, Edward Elgar Publishers, 2006

Self-regulation strategies and co-management of fishery resources in the Amazon Basin (with Freitas and Rivas), in *Ecosystems and Sustainable Development V*, WIT Press: Southampton UK, pp 511-516. ISBN 1-84564-013-6, 2005

Valuing Biodiversity in a Rural Valley, (with Steve Stewart, et al), in *Economics and Ecological Risk Assessment: Applications to Watershed Management*, R Bruins and M. Heberling, eds., ISBN 9781566706391 CRC Press: New York, 2005.

Conclusion (co-authored with Irvin and Livingston), *Does Environmental Policy Work? The Theory and Practice of Outcomes Assessment* (co-edited with David Irvin and Marie Livingston), Edward Elgar Publishers, London, 190-95, (2003)

Introduction (co-authored with Irvin and Livingston), *Does Environmental Policy Work? The Theory and Practice of Outcomes Assessment* (co-edited with David Irvin and

- Marie Livingston), Edward Elgar Publishers, London,. 3-22,(2003)
- Trade-off Based Indicators of Environmental Quality, in *Does Environmental Policy Work? The Theory and Practice of Outcomes Assessment* (co-edited with David Irvin and Marie Livingston), Edward Elgar Publishers, London,. 38-54, (2003)
- Toward a Forest Capital Index (with Wilcox and Smallwood), in D.J. Rapport, W.L. Lasley, D.E. Rolston, N.O. Nielsen, C.O. Qualset, and A.B. Damania (eds.) *Managing for Healthy Ecosystems*, Lewis Publishers, Boca Raton, Florida USA. 2003.
- Stated Preference Approaches to the Measurement of the Value of Biodiversity (with R. O'Neill and S. Stewart) in *Valuation of Biodiversity Benefits: Selected Studies*, Organization of Economic Cooperation and Development, Paris: ISBN 92-64-19665-X, 2001 (also available at http://chm.moew.government.bg/nmps/upload/Common/Baurle_literature_NOF/Local%20Publish/OECD_Valuation_biodiv_benefits.pdf)
- Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests (with McCormick and Nogueira), in *Climate Change and Forest Management in the Western Hemisphere*, Mohammed Dore (ed), Haworth Press: Binghamton, NY, 2001 (reprint of 2000 *Journal of Sustainable Forestry Article*)
- Environmental Policy and Sustainable Development: Implications for Materials and Mining (with Dina Franceschi) in *Technological Challenges Posed by Sustainable Development: The Mineral Extraction Industries*, Roberto Villas Boas and Lelio Fellows Filho, eds. CYTED/IMAAC/UNIDO, Madrid. 2000.
- Third World Debt and Tropical Deforestation” (with J. McDonald) reprint of 1995 *Ecological Economics* paper in *Ecosystems and Nature* (vol 1), R. Kerry Turner, ed., Edward Elgar Publishers, London, 37-44, 1999.
- "The Value of Changes in Deer Hunting Quality: A Travel Cost Approach," (with Erol Balkan) reprint of 1988 *Applied Economics* paper in *Environmental Valuation*, Kenneth G. Willis, K.J. Button, and Peter Nijkamp, eds., Edward Elgar Publishers, London, 325-341, 1999.
- Introduction (with R Villas Boas), in *Zero Emissions and Technology Assessment: Implications for Developing Countries*, James R. Kahn and Roberto Villas Boas ed. IATAFI, Oslo, Norway, 1998.
- The Role of Valuation in Assessing Alternative Technologies and Environmental Change. in *Zero Emissions and Technology Assessment: Implications for Developing Countries*, James R. Kahn and Roberto Villas Boas ed. IATAFI, Oslo, Norway, 1998.

- "The Myth of Sustainability in Managed Wild Fisheries: The Economic Case For Aquaculture Subsidies," (with T. Green) in *Developing and Sustaining World Fisheries Resources: The State of Science and Management*, edited by Don A. Hancock, David C. Smith, Ann Grant, and John P. Beumer. Collingwood, VIC Australia: CSIRO Publishing, 1997, pp. 437-42.
- "The Role of Economic Factors in Tropical Deforestation" (with J. McDonald) in *Tropical Forest Remnants: Ecology, Management and Conservation of Fragmented Communities*, edited by W. Lawrence, R. Bierregaard Jr., and C. Moritz, University of Chicago Press, Chicago 1997.
- Characteristics of Environmental Resources and Their Relevance for Estimating Value," (with D. Bjornstad) in *The Contingent Valuation of Environmental Resources: Methodological Issues and Research Needs*, edited by D. Bjornstad and J. Kahn, Edward Elgar Publishing, London, 1996.
- "Structuring a Research Agenda for Estimating Environmental Values," (with D. Bjornstad) in *The Contingent Valuation of Environmental Resources: Methodological Issues and Research Needs*, edited by D. Bjornstad and J. Kahn, Edward Elgar Publishing, London, 1996.
- "International Debt and Deforestation " (with J. McDonald) in *The Causes of Tropical Deforestation*, edited by Katrina Brown and David Pearce, University College London Press, 1994.
- "Global Warming Potential and Other Effects of CO₂", in *Estimating Externalities of Coal Fuel Cycles* (R. Lee, ed.) McGraw Hill, Inc. for Oak Ridge National Laboratory and Resources for the Future, 1994.
- An Overview of the Economic Impacts of Floatable Wastes on Fisheries, Tourism and Marine Recreation", in *Floatable Wastes in the Ocean: Social, Economic and Public Health Implications*, L. Swanson, ed., SUNY-Stonybrook, 1993.
- "Debt and the Economic Incentive to Deforest," *Annals of Forest '92 and ECO/URBS 1992*, (with J. McDonald), edited by Jean Dubois 1992.
- "Atrazine Applications and Chesapeake Bay Fisheries", in *Farming and the Countryside: An Economic Analysis of External Costs and Benefits*, N. Hanley, ed., C.A.B. International, Oxford, UK, 1991.
- "Economic Incentives for the Control of Toxic Wastes: A Mass Balance Approach to a Deposit Refund System," in *Location and Management of Special Facilities*, M. Chatterjie, ed., Gower, London, 1987.
- "An Analysis of Energetic and Economic Values Associated with the Decline of Submerged Aquatic Vegetation in the Chesapeake Bay," (with W. Boynton, et

al.) in *Energy and Ecological Modelling, Developments in Environmental Modelling*, Mitsch, Bosserman and Klopated (eds.), Elsevier Scientific Publishing Co., 1983.

Papers in proceeding volumes (15):

Protecting the Environment for the Sake of Protecting the Environment: Evidence of Existence Value from the Ribeirinho Communities of Amazonas, Brazil (with Alex Rivas) in Proceedings of the Ninth Biennial Conference of the International Society for Ecological Economics, December 2006

Economic Incentives, Direct Controls and Ecosystem Management of Fisheries: Out with the Old and in with the New, (with Alex Rivas) in Proceedings of the Ninth Biennial Conference of the International Society for Ecological Economics, December 2006

Protecting the Environment for the Sake of Protecting the Environment: Evidence of Existence Value from the Ribeirinho Communities of Amazonas, Brazil , with James Casey and Alexandre Rivas, *Proceedings of Third World Congress of Environmental and Resource Economics*, Kyoto, Japan, July, 2006.

Road Building and Environmental Preservation in Amazonia: Turning an Environmental Liability into an Environmental Asset, with Alexandre Rivas, *Proceedings of Third World Congress of Environmental and Resource Economics*, Kyoto, Japan, July, 2006.

Estimativa de valor de não-uso dos recursos ambientais na área de atuação da Petrobras na Amazonia, 2005, (com Rivas e Casey) em Anais 2005, Primeiro Congresso Internacional PIATAM-Ambiente, Homem, Gás e Petróleo, (Estimation of the non-use value of environmental resources in the area of Petrobras activity in Amazonia (extended abstract) with Rivas and Casey, in 2005 Annals of the First International Congress of PIATAM: The Environment, Humans, Gas and Petroleum, Rivas and Carvalho (eds.) () ISBN 85-7401-207-6, 2005.

Economic incentives, direct controls and ecosystem management of fisheries: Out with the old and in with the new, In Fish Communities and Fisheries, Proceedings of the 6th International Congress on the Biology of Fish, Ce Freitas, M Petrere, A. Rivas and Don Mackinley, eds, Manaus, AM. 2005.

Boa Viagem Erosion Prevention and Beach Nourishment Project, *Proceedings of the II Congresso Sobre Planejamento e Gestão das Zonas Costeiras dos Países de Expressão Portuguesa*, (with Monica Costa) October 2003.

The Economics of Natural Resource Exploitation, (with Dina Franceschi), proceedings from *Workshop sobre Meio Ambiente, Buzios*, CETEM, August 12-14 1998,

“The Economic Implications of Sustainable Mining Within the Paradigm of Sustainable Development”, (with Dina Franceschi), proceedings from *Mineracao e Desenvolvimento Sustentavel, Ouro Preto Workshop*, CANMET/CETEM, March 23-25 1998

"The New York Value of Chesapeake Striped Bass" (with R. Buerger) published in "Proceedings of Third Annual Conference on the Economics of Chesapeake Bay Management, Annapolis, MD, pp389-411, 1987.

"Comparison of Socioeconomic Characteristics of Saltwater Recreational Anglers in New York State", (with R. Buerger) in *Proceedings of N.E. Recreation Research*, 1989.

"The Conflict Between Commercial and Recreational Fishing", (with R. Buerger) in *Proceedings of Fourth Annual Association of Environmental and Resource Economists Workshop: Marine and Sports Fisheries Economic Valuation and Management*, Seattle, Washington, 1988.

The Economic Damages From Herbicide Pollution in Chesapeake Bay published in *Proceedings of First Annual Conference on the Economics of Chesapeake Bay Management*, Annapolis, MD, 1985.

Measuring the Economic Damages Associated with Terrestrial Pollution of Marine Ecosystems", *Proceedings of the Second Annual Association of Environmental and Resource Economists Workshop: Marine Pollution and Environmental Damage Assessment*.

“Economic Issues Associated with Brown Tides and Similar Environmental Perturbations”, in *Proceedings of the Emergency Conference on “Brown Tide” and Other Unusual Algal Blooms*, SUNY-Stony Brook, 1986.

"The Measurement and Management of the Economic Impacts of Hydropower on Sport Fisheries," in *Proceedings of 1981 Lake Champlain Basin Environmental Conference*.

Selected Technical Reports and Monographs (8):

RIVAS, A. A. F. ; KAHN, James Randall . *Economia Ambiental e dos Recursos Pesqueiros*. Manaus: Editora da Universidade Federal do Amazonas, 2006 (Cartilha).

Políticas Públicas para o Uso Sustentável dos Recursos Naturais do Médio Rio Negro (Barcelos Amazonas Brasil): Economia do Meio Ambiente e da Pesca (with Alexandre Rivas), Manaus: Editora Universidade Federal do Amazonas, 2006.

Characteristics and Criteria for Environmental Decision-Making: Implications for Materials Policy, Technical Report CETEM/IMAAC, <http://w3.cetem.gov.br/imaac/publicat.html>, 98 pages, 2001

The Development of Markets and Market Incentives for Sustainable Forestry: Application to the Brazilian Amazon, Organization for Economic Cooperation and Development, Environment Directorate, ENV/EPOC/GSP/BIO/(2001/6)/FINAL, 46 pages, 28 March 2002. [http://www.oalis.oecd.org/oalis/2001doc.nsf/c5ce8ffa41835d64c125685d005300b0/abc91129a37b59b9c1256b8a00456d70/\\$FILE/JT00123345.PDF](http://www.oalis.oecd.org/oalis/2001doc.nsf/c5ce8ffa41835d64c125685d005300b0/abc91129a37b59b9c1256b8a00456d70/$FILE/JT00123345.PDF)

Understanding Concerns About Joint Implementation. (with Lee, R., G. Marland, M. Russell, and K. Shallcross, Joint Institute for Energy and Environment, Knoxville, TN, USA, 96 pp. 1997

Instrumentos Econômicos e Fiscais para Regulação do Setor Elétrico na Amazônia (com Rivas, Barreto e Viera), Agência Nacional de Energia Elétrica (Aneel), Rede de Centros de Excelência em Regulação de Mercados (Cerme), 2000

An evaluation and critical analysis of international forest concession systems, Governo do Estado do Amazonas, Gabinete do Governador, Instituto de Proteção Ambiental do Amazonas, October 14, 1998

The Economic Value of Long Island Saltwater Recreational Fishing (1991), New York Sea Grant Institute, SUNY-Stonybrook Press

SHORT COURSES TAUGHT AT FOREIGN UNIVERSITIES

Universidade Federal do Amazonas, taught 16 hours segment in MA program in sustainable development, “Choosing our Energy Future” (in Portuguese-August 2007)

Universidade Federal do Rio de Janeiro (COPPE) and Centro do Tecnologia Mineral, taught 16 hour course, “Choosing our Energy Future (in Portuguese-July 2007.

Universidade Estadual do Norte Fluminense taught 15 hour course in Environmental Economics (in Portuguese-July 2005)

Universidade Federal do Amazonas, taught 20 hour course in Global Environmental Governance (in Portuguese) July 2003)

Universidade Federal do Pernambuco, Recife, Brazil, taught 12 hour course on environmental economics in Oceanography Department (In Portuguese-August 2002)

Universidade Federal do Pernambuco, Recife, Brazil, taught 12 hour course on environmental economics in Oceanography Department (August 2001)

Universidade Federal do Ouro Preto, Escola das Minas, Ouro Preto, Brazil, taught 12 hour course on cost-benefit analysis (August 2001)

Universidade Santa Ursula, Rio de Janeiro, Brazil taught 45 hour course in Masters Degree program on Natural Resource Economics (July-August 2001)

Universidade do Amazonas, Manaus Brazil: Taught six hours in environmental economics module of Masters in Environmental Sciences program. Topics included “macro-economics and the environment” and “economics of global warming) (May 2001)

Universidade do Amazonas, Manaus, Brazil: taught eight hour course in Fundamental Elements of Environmental Decision-Making (March 2000)

Universidade Estadual do Norte Fluminense, Campos, Brazil : taught eight hour course in Fundamental Elements of Environmental Decision-Making (March 2000)

Universidade do Ouro Preto, Escola das Minas, Ouro Preto, Brazil: One day course in cost benefit-analysis taught to students in mineral engineering and engineers from mining companies in the area, (March, 1998).

Universidade do Amazonas, Manaus Brazil: two week course in environmental valuation taught in post-graduate specialization program in environmental impact assessment, (December, 1996).

Universidade do Amazonas, Manaus, Brazil: three week course in environmental economics taught in Masters of Environmental Sciences Program, (April, 1996).

RECENT INVITED LECTURES:

2007- Universidade Federal do Amazonas – Global Climate Change: Where do we go from here, August 2007

2006 - Seventh International Conference on Clean Technologies for the Mining Industry, presented Ecological Economics of Clean Mining, Buzios, Brazil, October, 2006.

2006 - University of North Carolina-Charlotte, Beyond Kyoto: A Tax-Based System for the Global Reduction of Greenhouse Gases and Protecting the Environment for the Sake of Protecting the Environment: Evidence of Existence Value from the Ribeirinho Communities of Amazonas, Brazil

- 2006 - Davidson University-Davidson, NC: What is the future of the Amazon Rainforest?
- 2006 -University of Virginia, Road Building and Environmental Preservation in Amazonia: Turning an Environmental Liability into an Environmental Asset
- 2006 – Universidade Federal do Amazonas (presentation in Portuguese): Current Issues in Climate Change
- 2005-Universidade Federal do Rio Grande do Sol, (presented in Portugues) Is Environmental Preservation a Luxury Good? Evidence from the Ribeirinho Communities of Amazonas, Brazil
- 2005- Marine Biological Laboratory, Woods Hole, MA, presented a synthesis of my work on sustainable forestry
- 2004- Universidade Federal do Amazonas, (presented in Portuguese)It is broke, so fix it: Rethinking the Kyoto Protocol
- 2004- Universidade Federal do Rio Grande do Sol, (presented in Protuguese), It is broke, so fix it: Rethinking the Kyoto Protocol
- 2004-Tec-Monterrey, Monterrey Mexico, presented three papers: It is broke, so fix it: Rethinking the Kyoto Protocol; Ecosystem Management in Fisheries; Rethinking Forestry Economics
- 2003- Universidade Nova de Lisboa, presented “The Contribution of Environmental Valuation to the Decision-Making Process at Workshop on “Policy and Corporate Responsibility: Managing Environmental Risks
- 2003- Fairfield University, presented “Economic Incentives for Protection of Amazonian Rainforests.
- 2003- Duke University, Nicholas School of the Environment, presented “Rethinking Forestry Economics”
- 2002 - Instituto Superior de Psicologia Aplicada, Lisboa, Portugal Colloquium on "Environmental Ethics and Sustainable Development," presented Integrating Economic and Ecological Concepts in the Development of Sustainable Policies.
- 2001 - OECD International Workshop on Market Creation for Biodiversity Products and Services (Paris) presented The Development of Markets and Economic Incentives for Sustainable Forestry: Application to the Brazilian Amazon
- 2001 - Appalachian State University, presented Ecological Complexity, Economic Incentives, and the Preservation of Amazonian Rainforests

- 2001 - James Madison University, presented Ecological Complexity, Economic Incentives, and the Preservation of Amazonian Rainforests
- 2001 - Rochester Institute of Technology, presented Ecological Complexity, Economic Incentives, and the Preservation of Amazonian Rainforests
- 2000 - University of Tennessee, presented Sustainable Development and the Preservation Of Amazonian Rainforests
- 2000 - Jornadas Iberoamericanas Sobre Cierre De Minas, Huelva, Spain, presented Improving Environmental Compliance in Mine Closure: The Case for a System of Performance Bonds
- 1999 - The International Materials Assessment and Application Center of the United Nations Industrial Development Organization (IMAAC/UNIDO) conference on mining and the environment (Porto, Portugal) - presented "Mining, the Environment and Sustainable Development"
- 1999 - OECD Workshop on Benefit Valuation of Biodiversity Resources (Paris) - presented Stated Preference Measures and the Value of Biodiversity
- 1999 - Universidade Nova de Lisboa (Lisbon, Portugal)- presented "Performance Bonding as a Continuous Economic Incentive for Environmental Improvement."
- 1999 - Universidade do Amazonas (Manaus, Brazil) - presented "Performance Bonding as a Continuous Economic Incentive for Environmental Improvement"
- 1999 - Agência Nacional de Energia Elétrica (Brasilia) - presented Environmental Regulation of Electric Utilities and Its Implications for Brazil
- 1999 - Instituto Brasileiro do Meio Ambiente (Manaus) - Presented "Economic Incentives for Environmental Protection"
- 1999 - Universidade Tecnical do Amazonas (Manaus) - Presented "Economic Incentives for Environmental Protection"
- 1999 - Universidade Estadual do Campenas (Unicamp) (Campenas, Brazil) - Presented "Economic Incentives for Environmental Protection"
- 1999 - Instituto Proteção Ambiental - Amazonas (Manaus) - Presented "Economic Incentives for Environmental Protection"
- 1999 - Universidade Cândido Mendes (Rio de Janeiro) - Presented "Economic Incentives for Managing Open-Access Resources"

- 1999 - Alumnae College, Washington and Lee University - gave lectures on South American economic and sustainable development in Amazonia to alumnae program
- 1999 - Visiting Scholar in Residence, Washington and Lee University-three days of talks to faculty and students
- 1998 - Colgate University, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” and “Demand Side Policies for Environmental Protection and Sustainability”. Made several additional presentations in undergraduate classes.
- 1998 - Mining, Investment and the Environment, organized by the Institute of Americas, USAID and Colorado School of Mines, Lima, Peru, presented “Mining and Protection of the Environment: Economic Issues Associated with Performance Bonding”.
- 1998 - Mining, the Environment, and Sustainable Development, organized by Centro de Tecnologia Mineral, Ouro Preto, Brazil, presented “The Economics of Sustainability and its Implications for Sustainable Mining”
- 1998 - Universidade Federal do Rio Grande do Sol, Porto Alegre, Brazil, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests”
- 1998 - Universidade Santa Ursula, Rio de Janeiro, Brazil, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests”
- 1997 - International Association for Technology Assessment and Forecasting Institutes, Zero Emissions and Technology Assessment: Implications for Developing Countries, Rio de Janeiro and Buzios, Brazil, presented the Role of Valuation in Assessing Alternative Technologies and Environmental Change.
- 1997 - Dimensões Humanas Da Mudança Climática Global E Do Manejo Sustentável Das Florestas Das Américas: Uma Conferência Interamericana (The Human Dimensions of Global Climate Change And Sustainable Forest Management in The Americas), Brasília, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” (with McCormick and Nogueira)
- 1997 - Colgate University-presented “Ecosystem Stability as a Source of Economic Scarcity” to Economics Department, presented two lectures to the university community, “Demything the Relationship between the Economy and the Environment” and Sustainable Economic Development of the Brazilian Amazon

- 1997 - Symposium on the Recovery and Future of the Northeastern Forest, Connecticut College, presented “The Potential Contribution of Economics to the Recovery of Northeastern Forests
- 1996 - Washington and Lee University: presented two lectures, a general public lecture on “Demything the Relationship between the Economy and the Environment, and a lecture to the economics department on Demand-Side Approaches to Mitigating Open-Access Externalities: The Case of Aquaculture and the Wild Fishery)
- 1996 Instituto Nacional de Pesquisas da Amazonia (National Institute for Research on the Amazon), Manaus, Brazil - presented Trade-Off Based Indices of Environmental Quality - An Environmental Analogue to GDP.
- 1996 Centro de Tecnologia Mineral, Conselho Nacional de Desenvolvimento Científico e Tecnológico (Center for Mineral Technology, National Counsel for the Development of Science and Technology (Brazilian Equivalent of NSF), Rio de Janeiro, Brazil-presented “The Environment, the Economy and Sustainable Development”.
- 1996 Mining in Latin American, Scottsdale Arizona, sponsored by Institute for the Americas and Colorado School of Mines, and US Bureau of Mines. Presented “Environmental Protection, Economics and Mining in Latin America and participated in Panel Discussion on Environmental Regulations and Investment in the Mining Sector: Finding the Appropriate Balance
- 1995 - Virginia Tech-presented Trade-off Based Indices of Environmental Quality - An Environmental Analogue to GDP.
- 1995 - University of Kentucky-Trade-off Based Indices of Environmental Quality - An Environmental Analogue to GDP.

PARTICIPATION IN CONFERENCES AND MEETINGS:

- 2007 – U.S. Society for Ecological Economics, Biennial Meetings New York, NY - organized symposium on Energy, Social Responsibility and Sustainable Development in Amazonia
- 2007 – First Washington and Lee University/Petrobras Conference on Environment, Lexington, VA, organized entire conference.
- 2006- International Society of Economics, Biennial Meetings, New Delhi, India, presented, Road Building and Environmental Preservation in Amazonia: Turning an Environmental Liability into an Environmental Asset (with Alex Rivas) and Economic Incentives, Direct Controls and Ecosystem Management of Fisheries: Out with the Old and in with the New (with Alex Rivas); Participant in

- Symposium on Economic Growth and Environmental Conservation: Conflict or Concord?
- 2006 World Congress of Environmental and Resource Economics, Kyoto, Japan, presented Protecting the Environment for the Sake of Protecting the Environment: Evidence of Existence Value from the Ribeirinho Communities of Amazonas, Brazil and Road Building and Environmental Preservation in Amazonia: Turning an Environmental Liability into an Environmental Asset
- 2005 - Associated Colleges of the South, presentation on our US/Brazil Consortium for Environmental Studies
- 2005- Southern Economic Association Meeting, organized two sessions on Ecological Economics, presented Second-Level Externalities: Spillover Costs and Benefits Associated with the Internalization of Externalities
- 2005 - National Center for Ecological Analysis and Synthesis, Santa Barbara, participated in national panel workshop to develop a research agenda in the area of ecosystem service-based management of ecosystems. Wrote joint paper which has been accepted by *Bioscience*
- 2005- Annual Meeting of FIPSE/CAPES project directors, lead discussion session on environmental projects, invited participant in closed discussion on the future of US/Brazil cooperation in higher education.
- 2005-First Annual International PIATAM Congress, Manaus, BR, presented (in Portuguese) Complexidade Ecológica e o Processo Económico (Ecological complexity and the economic process)
- 2004 - Associated Colleges of the South, presentation on incorporating student research into the environmental studies curriculum
- 2004- World Fishery Congress, Manaus, Brazil. Presented Economic Incentives, Direct Controls and Ecosystem Management of Fisheries: Out with the Old and in with the New
- 2004- Annual Meeting of FIPSE/CAPES project directors, lead discussion sessions on environmental projects, developing language programs, and constructing memoranda of understanding, Florianopolis, BR.
- 2003- Annual Meeting of FIPSE/CAPES project directors, lead discussion session on environmental projects, Miami.
- 2003- US Society for Ecological Economics, presented "Rethinking Forestry Economics" Saratoga Springs, NY

- 2003- Southern Economic Association meetings, New Orleans, presented On the scarcity value ecosystem services and organized 4 sessions (jointly with John Whitehead).
- 2003-I Seminario de Propriedade intelectual, ciência e conhecimentos tradicionais da Amazônia (First Conference on intellectual property rights, science and traditional knowledge of Amazonia).
- 2003- presentation on obtaining external funding at meeting of Associated Colleges of the South Environmental Initiative, Atlanta.
- 2002 - Southern Economic Association, presented “Rethinking Forestry Economics and “Choice Model and Contingent Valuation Estimates of the Value of Ecosystem Attributes” Organized SCREE Sessions.
- 2002- presentation on obtaining external funding at meeting of Associated Colleges of the South Environmental Initiative, Furman University.
- 2001 - Southern Economic Association, presented "A Case for Carbon Taxes" (with Dina Franceschi), "First World Agricultural Subsidies and Third World Sustainable Development" (with Gilda Sa da Albuequerque), and Choice Models of Ecosystem/Economy Tradeoffs in the Clinch River Valley (with Steve Stewart and Amy Wolfe), organized SCREE Program, chaired session
- 2000 - Southern Economic Association, organized SCREE sessions, chaired session
- 2000 - International Society for Ecological Economics, Canberra, Australia, presented three papers
- 1999 - Southern Economic Association: Organized three sessions, presented Can Joint Implementation Lead to Global Agreement on Greenhouse Gas Emissions: A Preliminary Analysis of the Potential for Trade (with Dina Franceschi and M. Dore)
- 1999 - American Economic Association Meetings, presented Diffusion of Sustainable Agriculture in the Brazilian Tropical Rain Forest: A Discrete Choice Analysis (W. Jill Caviglia)
- 1998 - International Society for Ecological Economics, Santiago Chile, presenting Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests (with McCormick and Nogueira)
- 1998 - Southern Economic Association, Baltimore, MD, presented Sustainability in Economies Dependent on Exhaustible Resource: The Intersection between Amazonian Sustainability and Mineral Development (with D. Franceschi)

- 1998 - World Congress of Environmental and Resource Economists, Venice, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” (with McCormick and Nogueira) and “Methods for Aggregating Performance Indicators”
- 1997 - Southern Economic Association Meetings, Atlanta, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” (with McCormick and Nogueira), moderator of panel discussion on teaching environmental and resource economics
- 1997 - Canadian Society for Ecological Economics, Hamilton, Ontario, presented Ecological Stability as a Source of Economic Scarcity
- 1996 - Southern Economic Association Meetings, presented Biophysical Constraints and Economic Value (with R.V. O’Neill), presented Valuing Southern Appalachian Forests (w Peter Maynard), organized sections for Southern Appalachian Committee on Resource and Environmental Economics
- 1996 - World Fisheries Congress, Brisbane, Australia, presented “Demand-Side Approaches to Mitigating Open-Access Externalities: The Case of Aquaculture and the Wild Fisheries” (with T. Green)
- 1995 - Southern Economic Association, organized sections for Southern Appalachian Committee on Resource and Environmental Economics, presented two papers, “Strict Environmental Policy: Microeconomic and Macroeconomic Justifications?” with A. Farmer and J. McDonald; "Demand-Side Approaches to Mitigating Open-Access Externalities: The Case of Aquaculture and the Wild Fisheries" (with T. Green)
- 1995 - American Economic Association, presented two papers, Conjoint Analysis as a Method of Measuring Use and Non-Use Values of Environmental Goods (with Peter Maynard) and Trade-off Based Indices of Environmental Quality - An Environmental Analogue to GDP.
- 1994 - Southern Economic Association meetings, presented Conjoint Analysis as a Method of Measuring Use and Non-Use Values of Environmental Goods (with Peter Maynard).
- 1994 - Wilderness Areas, Regional Planning, and the Quality of Life, conference sponsored by University of Kentucky and *Growth and Change* - presented "Square Pegs and Round Roles: Can the Economic Paradigm be used to Value the Wilderness."
- 1994 - American Economic Association, member of organizing committee for Association of Environmental and Resource Economics sessions, organized and chaired session on contingent valuation.

- 1993 - National Acid Precipitation Assessment Program Conference on Economic Issues in Acid Deposition, presented "Measuring the Benefits of Mitigating Acid Deposition: Past Experience, Future Directions.
- 1993 - Southern Economic Association meetings, organized three sessions in environmental economics, presented "Trade-off-Based Indicators of Environmental Policy: An Environmental Analogue to GNP."
- 1993 - American Economic Association, member of organizing committee for Association of Environmental and Resource Economists sessions, organized and chaired session on global environmental issues.
- 1992 - Southern Economic Association meeting - presented "The Appropriateness of Willingness to Pay Methodologies in the Formulation of Environmental Policy" chaired session on Contingent Valuation and Environmental Economics
- 1992 - Southern Regional Science Association presented "The Appropriateness of Willingness to Pay Methodologies in the Formulation of Environmental Policy
- 1991 - Southern Economic Association - presented "Third World Debt and Tropical Deforestation"
- 1991 - American Association for the Advancement of Science, presented "Marine Debris" in a session on economics of estuarine management.
- 1991 - Eastern Economic Association, presented "Third World Debt and Tropical Deforestation, Chaired session on regional environmental problems
- 1990 - American Agricultural Economics Association, discussant in sessions on recreation valuation models
- 1989 - Southern Economic Association, presented "The Equilibrium Distribution of Population and Wages in A System of Cities", Discussant in sessions on demographic and urban economics.
- 1988 - Association of Environmental and Resource Economists Fourth Annual Workshop: Marine and Sports Fisheries Economic Valuation, presented "The Conflict Between Commercial and Sport Fishing.
- 1988 - New York State Chapter of American Fisheries Society, Binghamton, NY, presented "The Economic Costs of the Moratorium on Striped Bass in New York State" (with R. Buerger)
- 1988 - Eastern Economic Association, Boston, MA, organized session on economics of coastal resources and presented "The Conflict Between Commercial and Recreational Fishing" (with R. Buerger)
- 1988 - Regional Science Association-presented "The Regional Economic Impact of Long Island Saltwater Recreational Fisheries"

- 1987 - New York State Chapter of American Fisheries Society, Utica, NY, presented "The Economic Value of Saltwater Recreational Fishing in Long Island"
- 1987 - National Shellfisheries Association, Halifax, Nova Scotia, presented "The Economic Effects of Brown Tides."
- 1987 - Third Annual Conference on Economics of Chesapeake Bay Management, Annapolis, MD, presented "The New York Value of Chesapeake Striped Bass"
- 1987 - Southern Economic Association, discussant in sessions on urban public policy and housing economics
- 1986 - Association of Environmental and Resource Economists workshop on Marine Pollution and Environmental Damage Assessment, Narragansett, Rhode Island, presented "Measuring the Economic Damages Associated with Terrestrial Pollution of Marine Ecosystems."
- 1986 - New York State Interagency Task Force "Emergency Conference on Brown Tides and other Unusual Algal Blooms" presenter and workshop leader.
- 1985 - Estuarine Research Federation Conference, Durham, N.H., presented "The Functional Relationship Between Economic Damages and The Loss of Submerged Aquatic Vegetation in Chesapeake Bay.
- 1984 - Planning Conference on Economics of Chesapeake Bay, panel member.
- 1984 - N.E. Regional Science Association Meetings, Buffalo, presented "The Economic Value of Great Lakes Sport Fisheries: A Revealed Preference Approach to Valuing Recreational Site Attributes."
- 1984 - Southern Economic Association meetings, Atlanta discussant in session on the economics of technological change and presented "The Economic Value of Great Lake sport fisheries: A Revealed Preference Approach to Valuing Recreational Site Attributes."
- 1983 - North East Regional Science Association Meetings, New York, presented "The Estimation of Marginal Damage Functions: An Assessment of the Information Requirements.
- 1983 - North East Regional Science Association Meetings, New York, discussant in session on input-output modeling.
- 1983 - Southern Economic Association Meetings, Washington, D.C. chaired session in issues in housing markets and presented the following papers: "An Examination of the Interdependence of the Marginal Products of Baseball Players, or is Reggie really Overpaid?" (with W. Herrin). "Optimal City Size in Terms of Compensation Wage Differentials," (with H. Ofek and D. Clark). "The

Economics of Plant Quarantine: Towards a More Efficient Regulatory Scheme
(with Robert P. Kahn).

1981 - Southern Economic Association Meetings, New Orleans discussant in session on local public finance.

1981 - American Economic Association Meetings, Washington, D.C. discussant for plenary session of Association of Environmental and Resource Economists.

1979 - "Creating an Agenda for Regulatory Research," Public Interest Economics Foundation, Berkeley Springs, WV, workshop member

UNIVERSITY GRANT ACTIVITY (as PI or Co-PI):

The Environment, Economic Development and Quality of Life Nexus: An Interdisciplinary Approach to Undergraduate Education, Fund for the Improvement of Post-Secondary Education (USDOE), September 2004 to September 2006, funding for complimentary activities \$75,000

The Environment, Economic Development and Quality of Life Nexus: An Interdisciplinary Approach to Undergraduate Education, Fund for the Improvement of Post-Secondary Education (USDOE), September 2001 to September 2005, \$208,000.

Integrated Decision-Making in Reservoir Operations (Tennessee Valley Authority through subcontract with University of Tennessee) \$23,000 December 1, 2001 to April 1 2002

A Trade-off Weighted Index Approach to Integrating Economics and Ecological Risk Assessment USEPA-NCEA Cooperative Agreement on Research on Methods for Integrating Ecological Economics and Ecological Risk Assessment, Feb. 1999-Jan 2001, \$175,000.

"External Debt and Tropical Deforestation" (with J. McDonald) Cooperative Agreement with U.S. E.P.A., October 24, 1989 - October 23, 1990, \$25,300.

"Economic Damages from Pollution in the New York Bight", subcontract from SUNY-Stony Brook (Primary Contractor is Dynamac Corporation who has contract with U.S. E.P.A. as part of the New York Bight Restoration Plan) June 1, 1988 to December 31, 1988, \$9,300.

"Proposal Development Grant" New York Sea Grant Institute, \$4,960, Oct. 1984 - Dec. 1984.

"The Economics of Long Island Coastal Recreational Fisheries," New York Sea Grant Institute and New York Department of Environmental Conservation: May 1985-December 1987, \$181,000.

An Economic Valuation Model for Great Lakes Sport Fisheries," New York Sea Grant Institute, \$21,442. Sept. 1983-Aug. 1984.

ORNL CONTRACT RESEARCH ACTIVITY:

- 1999-2000 The Role of Transportation and Transportation Policy in Sustainable Development
- 1997-1998 Estimating the Rebound Effect for Household Vehicles in the US-Department of Transportation
- 1996-2000 Environmental Thresholds and Economic Value (DOE Integrated Assessment of Global Climate Change Program)
- 1995 The Effect of Chemical Weapons Disposal Programs on Property Values (DOD)
- 1995 Pricing Strategic Petroleum Reserve Oil, an Application of the Hedonic Pricing Model (DOE-Strategic Petroleum Reserve Program)
- 1994-1998 Developing a Methodology for Assessing the Social Benefits of Agency for Toxic Disease Registry and Substances (ATSDR) Programs
- 1994 Concept Analysis of In-Vehicle Signing (Federal Highway Adm.)
- 1993 - 1995 "Workshop on Contingent Valuation" (Department of Energy)
- 1991 - 1994 "External Costs of Fuel Cycles" (DOE)
- 1993 - 1994 "Measuring the Benefits of Acid Deposition Control (NAPAP/DOE)
- 1993 - 1994 "Assessment and Operating Plans for Evaluating the Acid Rain Provisions of the 1990 Clean Air Act Amendments" (NAPAP/EPA)
- 1993 - 1994 "The Incorporation of Environmental Costs Into U.S. Army Project Evaluation (U.S. Army Construction and Engineering Research Laboratory)

PHD DISSERTATIONS SUPERVISED AS CHAIR

SUNY-Binghamton

David E. Clark, 1986

Thomas J. White, 1989
Larry P. Capone, 1992
Darlington Didia, 1993

University of Tennessee

W. Michael Fletcher, 1994
Thomas Yoder, 1995
Peter W. Maynard, 1996
Scott Rickard 1997
Alexandre Rivas 1998
Jill Caviglia 1998
Dina Franceschi, 1999

PHD DISSERTATIONS SUPERVISED AS COMMITTEE MEMBER

SUNY-Binghamton

R. P. Parcels
Leonides Papas
Somalia Kewa
Alfred Ntoko
William Herrin

Universidade Federal do São Paulo

Maria Laura Barreto, 2000

University of Tennessee

Martin King, 1995
Jeffrey Collins, 1996
Thomas Sadler, 1998
Amatta Diabata, 2000
Aubrey Meyer 2000

Univerisdade Nova da Lisboa

Anna Salgueiro (2003)

AWARDS AND HONORS:

- Rotary International Graduate Fellowship, 1975.
- SUNY Faculty Research Fellowship, 1981.
- SUNY-Binghamton University Award for Excellence in Undergraduate Teaching, 1988

- Chancellor's Award (SUNY System-wide) for Excellence in Teaching, 1988.
- International Collaborator, Environmental Sciences Center, University of Amazonas, Manaus, Amazonas, Brazil, 1992 - 1999
- Collaborating Professor, Environmental Sciences Center, University of Amazonas, Manaus, Amazonas, Brazil, 1999-present.
- University of Tennessee Faculty Development Award, 1996
- Four time nominee for Outstanding Teacher, College of Business Adm., University of Tennessee (1992-1998)
- Scientific Adviser to the Pan American Committee on Mining, Metallurgy and Materials (COPAM) (1998-present)
- Scientific Advisor to the International Materials Assessment and Application Center of the United Nations Industrial Development Organization (IMAAC/UNIDO) (1998 to present)
- Outstanding Paper of the Year, *The Energy Journal*, 1999.
- Fulbright Fellowship, Brazil, 2001
- Visiting Professor/Fellow, Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq-The Brazilian national science foundation), 2005-2006

OFFICES HELD IN PROFESSIONAL ORGANIZATIONS:

Secretary-Treasurer, US Society for Ecological Economics, 2005-2006
 President, Southern Committee for Resource and Environmental Economics (formerly Southern Appalachian Committee for Resource and Environmental Economics), 1995 to present
 Secretary-Treasurer, Resource Policy Consortium, 1997 to 2000
 Associate Editor, Southern Economic Journal, 1997 to 2001
 Program Committee Member, Association for Environmental and Resource Economics, 1992-1994
 Steering Committee Member, US Society for Ecological Economics

REFEREEING ACTIVITY:

Journal of Environmental Management, Journal of Environmental Economics and Management, Environment and Resource Economics, Bioscience, Southern Economic Journal, Marine Resource Economics, Applied Economics, Eastern Economic Review, Growth and Change, Land Economics, Conservation and Biodiversity, Silva Fennica, Review of Regional Studies, Ecological Economics, Journal of Transportation Statistics, Journal of Post-Keynesian Economics, Policy Forum, Natural Resource Forum, Various State Sea Grant Programs, National Science Foundation, Department of Energy: Economics of Global Climate Change Program, Fund for the Improvement of Post-Secondary Education (Department of Education) Comprehensive Program.