

# ROSS A. MOHR

## CONTACT

Anne Arundel Community College  
Department of Economics  
CRSC Room 321  
101 College Parkway  
Arnold, MD 21012-1895

[www.econ.ucsb.edu/~mohr](http://www.econ.ucsb.edu/~mohr)  
Email: [ramohr@aacc.edu](mailto:ramohr@aacc.edu)  
Office: (410) 777-2417  
Cell: (805) 698-5851  
United States Citizen

## CURRENT ACADEMIC AFFILIATIONS

**Instructor**, Department of Economics, Anne Arundel Community College, August 2010 -  
**Graduate Student**, Department of Economics, University of California, Santa Barbara, August 2004 -

## EDUCATION

**Ph.D.**, Economics, University of California, Santa Barbara, expected December 2010.  
**M.A.**, Economics, University of California, Santa Barbara, July 2005.  
**M.S.**, Applied Mathematics, University of Illinois, Urbana-Champaign, August 2004.  
**B.S.** with distinction in Mathematics (double major in Economics), University of Illinois, Urbana-Champaign,  
May 2003.

## FIELDS OF INTEREST

**Primary:** Environmental Economics  
**Secondary:** Natural Resource Economics, Public Economics, Macroeconomics

## TEACHING EXPERIENCE

**Associate Instructor**, Department of Economics, University of California, Santa Barbara, September 2008 -  
March 2009: Environmental Economics (Undergraduate - Upper Division), Seminar on the Teaching of  
Economics (Graduate).  
**Teaching Assistant**, Department of Economics, University of California, Santa Barbara, September 2004 - June  
2009 (16 academic quarters): Macroeconomics (Intermediate and Introductory), Natural Resource  
Economics, Microeconomics (Intermediate and Introductory), Development Economics.  
**Teaching Fellow**, Office for Mathematics, Science and Technology Education, Education Department, University  
of Illinois, Urbana-Champaign, August 2003 - May 2004.  
**Classroom Assistant & Grader**, Department of Mathematics, University of Illinois, Urbana-Champaign, August  
2000 - August 2003 (8 academic semesters): Calculus I-III, Differential Equations, Linear Algebra,  
Probability & Statistics.

## OTHER PROFESSIONAL EXPERIENCE

**Research Assistant**, Department of Economics, University of California, Santa Barbara, October 2008 – April  
2009: Charles D. Kolstad, *Environmental Economics, 2<sup>nd</sup> Ed, Oxford University Press, Inc.*

## PRESENTATIONS AND CONFERENCES

**Presentation**, 11<sup>th</sup> Occasional California Workshop on Environmental and Resource Economics, Bren School of Environmental Science & Management, University of California, Santa Barbara, October 2009.

**Session Chair and Discussant**, 11<sup>th</sup> Occasional California Workshop on Environmental and Resource Economics, Bren School of Environmental Science & Management, University of California, Santa Barbara, October 2009.

**Discussant**, Voluntary Approaches to Environmental Protection, Bren School of Environmental Science & Management, University of California, Santa Barbara, April 2009.

**Discussant**, 10<sup>th</sup> Occasional Workshop on Environmental and Resource Economics, Bren School of Environmental Science & Management, University of California, Santa Barbara, March 2008.

## WORKING PAPER

Mohr, Ross A., "International Environmental Agreements with Cooperative R&D Investment," **submitted**

This paper builds on a standard, linear model of International Environmental Agreements by allowing countries to invest in abatement cost-reducing Research & Development (R&D). This paper also considers two different cooperation regimes: pollution abatement and R&D investment can either be provided independently with two separate agreements, or countries may choose to negotiate provision of both goods in a single, joint agreement. I show that when the joint treaty achieves a high enough level of participation, which implies a threshold amount of R&D investment, even non-signatories find it individually rational to abate pollution. That is, the resulting technology lowers the cost of pollution abatement enough so that the behavior of non-signatories tips toward the full cooperative outcome for pollution abatement, eliminating the incentive to free-ride. In this case, a joint agreement for cooperation on the environment and R&D increases pollution abatement and aggregate welfare.

## HONORS AND FELLOWSHIPS

**Andron Fellowship**, Dept of Economics, UCSB, Fall 2004 - Spring 2009.

**Outstanding Teaching Assistant**, Dept of Economics, UCSB, Fall 2005.

**VIGRE: Teacher Training for Undergraduates Award**, Dept of Math, UIUC, August 2002.

## AFFILIATIONS

Association of Environmental and Resource Economists, Member.

American Economic Association, Member.

American Society for Hispanic Economists, Member.

## REFERENCES

Charles Kolstad (Committee Chair)  
Department of Economics  
UC-Santa Barbara  
(805) 893-2108  
[kolstad@econ.ucsb.edu](mailto:kolstad@econ.ucsb.edu)

Perry Shapiro (Committee)  
Department of Economics  
UC-Santa Barbara  
(805) 893-2253  
[pxshap@econ.ucsb.edu](mailto:pxshap@econ.ucsb.edu)

Cheng-Zhong Qin (Committee)  
Department of Economics  
UC-Santa Barbara  
(805) 893-2753  
[qin@econ.ucsb.edu](mailto:qin@econ.ucsb.edu)

Robert Deacon (Teaching Reference)  
Department of Economics  
UC-Santa Barbara  
(805) 893-3670  
[deacon@econ.ucsb.edu](mailto:deacon@econ.ucsb.edu)