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PROPOSALS**

**KEITH W. CRANE**

**CONTACT INFORMATION**

RAND  
W6308  
1200 South Hayes Street  
Arlington, VA 22202-5050

Tel. 703 413-1100 x5520  
FAX: 703 414-4791  
Keith\_Crane@rand.org

**EXPERIENCE RECORD**

February 2002 to present – Senior Economist, The RAND Corporation, Arlington, Virginia

At RAND, Dr. Crane has been engaged in studies on post-conflict nation-building, evaluations of assistance programs, including reconstruction aid to Iraq, economic development in Central Asia, Russia, Ukraine, China, the Middle East, Iran, and Palestine, growth in global transport demand, energy, and defense economics.

August 2003 to December 2003—Economic Policy Analyst, Coalition Provisional Authority, Baghdad

At the Coalition Provisional Authority, Dr. Crane provided advice on such economic policy issues as energy price liberalization, alternatives to the food ration program, and fiscal policy. He also advised the Central Bank of Iraq on exchange rate policy issues. He served as an advisor to the Iraqi delegation to the November 2003 meeting with the IMF in Amman, Jordan.

November 1991 to February 2002 – Chief Operating Officer and Director of Research, PlanEcon, Inc., Washington, D.C.

As Chief Operating Officer, Dr. Crane met operating profit targets, made personnel decisions, marketed, and negotiated with external partners. He set up and managed offices or subsidiaries in Poland, Bulgaria, and Russia. As director of research, Dr. Crane was responsible for PlanEcon's macroeconomic publications and forecasts and for the firm's business consulting. He led studies on the automotive, transportation, banking, electric power, food processing, oil refining, steel and chemical industries of various countries in Central and Eastern Europe and CIS, including a study for the IMF and World Bank, *Foreign Direct Investment in the States of the Former USSR*, which was published for the annual meeting. He frequently briefed central bankers, bank and corporate economists and senior managers, including the chief executive officers of Volvo and BOC, and on economic, market, and financial developments in Central and Eastern Europe and the CIS.

September 1990-November 1991 -- Senior Economist, PlanEcon, Inc., Washington, D.C.

1983-1990 -- Economist, The RAND Corporation, Santa Monica, California.

**RESEARCH AREAS**

**Post-Conflict Nation-Building.** In collaboration with James Dobbins and Seth Jones, Dr. Crane has co-authored three volumes on post-conflict nation-building, the most recent of which is *The Beginner's Guide to Nation-Building*. Dr. Crane's chapters contain detailed analyses of the effectiveness of assistance programs. Previous volumes included *The UN's Role in Nation Building: From Congo to Iraq* and *America's Role in National-Building: From Germany to Iraq*. In 2006, Dr. Crane served on the Economy and Reconstruction Working Group for the Iraq Study Group chaired by former Secretary of State James Baker and former Congressman Lee Hamilton.

**Economics of Transition and Economic Forecasting.** As Director of Research at PlanEcon, Dr. Crane was responsible for PlanEcon's semi-annual macroeconomic forecasts for the 27 transition economies of Central and Eastern Europe. Dr. Crane was responsible for developing and running these models. Clients included the IMF, World Bank, EBRD, OECD, and European Investment Bank, diversified manufacturers, major banks, and oil and automotive companies. Close to a dozen central banks, including the Federal Reserve and the BIS, subscribed to PlanEcon's monthly economic analysis.

**International Economics.** Dr. Crane's most recent work in this field is an evaluation of the economic and financial implications for the United States of European Union enlargement. In 2004, Dr. Crane co-authored a study evaluating and quantifying the effects of technical barriers to trade on exports. While Director of Research at PlanEcon, Dr. Crane was responsible for the *Trade and Finance Review*, a set of annual analyses and forecasts of developments on the balance of payments and external liabilities of the countries of Central and Eastern Europe and the Commonwealth of Independent States. Subscribers included major international investment banks and international financial institutions. Other studies include an evaluation of explicit and implicit interest rate subsidies provided by national export guarantee institutions and assessments of determinants of trade patterns and export performance in Central and Eastern Europe.

**Energy and Transportation Economics.** At RAND, Dr. Crane was engaged in a project to forecast and analyze future trends in global transport demand and a companion project to evaluate likely future changes in automotive technologies. With the DRI Automotive Group, Dr. Crane initiated and supervised the *East European Automotive Service*, a service that provides data and semi-annual forecasts concerning the automobile and truck industry and market in Eastern Europe and the former Soviet Union. Dr. Crane has also been involved in developing energy balances for Iraq, Kazakhstan, Poland, and Hungary, road feasibility studies, studies on restructuring the railroads of Eastern and Central Europe, and studies projecting freight transport demand in the region.

**Defense Economics.** At RAND, Dr. Crane has engaged in a number of studies on resources devoted to the military in China, the former Soviet Union, and in Central and Eastern Europe. He has estimated defense expenditures by major category, the burden of defense on these economies and evaluated shifts in expenditure patterns. He has also evaluated challenges to the U.S. Army of engaging in coalition warfare with a variety of forces.

## TEACHING EXPERIENCE

2001-2002 -- Adjunct professor, Economics Department, Georgetown University  
1998-2000 -- Adjunct professor, International Commerce and Policy Program, George Mason University  
1983-1990 -- Faculty member, RAND-UCLA Center for the Study of Soviet International Behavior  
1987 -- Fulbright Lecturer, Central School of Planning and Statistics, Warsaw (Poland)  
Fall, 1985 -- Visiting Lecturer, Department of Economics, University of California, Los Angeles.  
Fall, 1984 -- Visiting Lecturer, Graduate School of Management, University of California, Los Angeles.  
1979-1982 -- Associate Instructor, Department of Economics, Indiana University.

## **EDUCATION**

Ph.D., Economics, 1983, Indiana University, Bloomington

Certificate, Soviet and East European Studies, 1983, Indiana University, Bloomington

M.A., Economics, 1982, Indiana University

Certificate, International Relations, Bologna Center, 1977, John Hopkins's SAIS

B.A. Magna Cum Laude, International Studies, 1976, University of Minnesota

## **PROFESSIONAL ORGANIZATIONS/HONORS**

Association for Comparative Economic Studies

Fulbright Lecturing Scholarship--The Central School of Planning and Statistics, Warsaw, Poland

(1986-87)

IREX Fellowship to Poland and Hungary (1981-1982)

Indiana University Fellowship (1978-1979)

John Hopkins University Fellowship (1976-1977)

Hungarian-Minnesota Exchange Scholarship (1974-1975)

SPAN Scholarship, University of Minnesota (1973)

National Merit Finalist (1971)

## **LANGUAGES**

Hungarian--fluent

Polish--fluent

Italian--good

Spanish-- reading knowledge

Russian--reading knowledge

## **SELECTED PUBLICATIONS**

*Inside Iran: Pressures and Vulnerabilities in a Rapidly Changing Nation*, with Rollie Lal, the RAND Corporation, Santa Monica, CA, October 2007.

*Encouraging Trade and Foreign Direct Investment in Ukraine* MG-673-NSRD, with F. Stephen Larrabee, the RAND Corporation, Santa Monica, CA, September 2007.

*U.S. Policy Options for Iraq*, MG-613-PAF with Olga Oliker, the RAND Corporation, Santa Monica, CA, August 2007.

*The Beginner's Guide to Nation-Building*, MG-557-SRF, the RAND Corporation, Santa Monica, CA, April 2007.

*Making Liberia Safe: Transformation of the National Security Sector*, MG-529-OSD with David Gompert, Brook Stearns, Olga Oliker and Jack Riley, the RAND Corporation, Santa Monica, CA, January 2007.

“Russian Investment in the Commonwealth of Independent States,” with D.J. Peterson and Olga Oliker, *Eurasian Geography and Economics*, Vol. 46: No. 6, 2005, pp. 404-444.

*Building a Successful Palestinian State*, with Ross Anthony et al., the RAND Corporation, Santa Monica, CA, April 2005.

*Doing Business with the Euro: Risks and Opportunities*, with Nathan Chandler, the RAND Corporation, Santa Monica, CA, 2005.

*Developing Iraq’s Security Sector*, MG-365-NDRI, with Andrew Rathmell, Olga Oliker, Terrence K. Kelly, and David Brannan, the RAND Corporation, Santa Monica, CA, 2005.

*Modernizing China's Military: Opportunities and Constraints*, MG-260-AF, with Roger Cliff, Evan Medeiros, James Mulvenon, and William Overholt, the RAND Corporation, Santa Monica, CA, July 2005.

*The UN's Role in Nation Building: From Congo to Iraq*, with James Dobbins, et al., the RAND Corporation, Santa Monica, CA, January 2005.

*A New Direction for China's Defense Industry*, with Roger Cliff, Evan Medeiros, James Mulvenon, and William Overholt, August 2004.

*Political and Economic Outlook for Russia and the Future of the Automotive Industry*, WR-145, with Jeremy Azrael and D.J. Peterson, May 2004.

“European Union Enlargement: Economic and Financial Implications for the United States” in Cathleen Fisher, ed., *EU Enlargement and Transatlantic Relations*, American Institute for Contemporary German Studies, Johns Hopkins University, 2003.

“Economic Prospects and Policy in Iraq”, with Chris Foote, William Block, and Simon Gray, *Journal of Economic Perspectives*, Summer 2004.

*Economic Effects of Technical Barriers to Trade on U.S. Exporters*, with Steven Popper, Victoria Greenfield, and Rehan Malik, the RAND Corporation, Santa Monica, California, April 2004.

*America's Role in National-Building: From Germany to Iraq*, MR-1753-RC with Jim Dobbins, Jerry McGinn, Seth Jones, Rollie Lal, and Andrew Rathmell, the RAND Corporation, Santa Monica, California, June 2003.

"Globalization and Growth in the CIS," with Zbyszko Tabernacki, in *Emerging Market Economies: Globalization and Development*, Grzegorz Kolodko, ed., Ashgate, Aldershot, England, 2003.

"European Union Enlargement: Implications for U.S. Trade and International Financial Policies," American Institute for Contemporary German Studies, June 2002.

"Sowing the Seeds of Stability: U.S. Assistance Programs in Southeastern Europe" with Paul Tibbitts and Karen Zietlow, in *Cooperation or Competition? American, European Union and German Policies in the Balkans*, Lily Gardner Feldman, ed., American Institute for Contemporary German Studies, Johns Hopkins University, 2001.

"The Effectiveness of Hungarian Privatization Policies" in *Hungary and the Transition*, Aurel Braun, ed., Rowman and Littlefield, Boston, 1999.

"The Transition Economies: How Strong a Recovery?" Jobs and Capital, the Milken Institute, February, 1998. \_

"The Revolution in Trade Between Central and Eastern Europe and Russia," with Matthew J. Sagers, The Atlantic Council, Occasional Paper, November, 1995.

"The Lessons of the Transitions," in *U.S. Relations with Central and Eastern Europe*, Dick Clark, ed., The Aspen Institute, Queenstown, Maryland, 1994. \_\_\_\_\_

"The Costs and Benefits of the Transition in Eastern Europe," in *The Transition in Eastern Europe*, John Hardt, ed., Joint Economic Committee of Congress, Washington, D.C., 1994.

"Implications of Western Policies for the Economic Recovery in Eastern and Central Europe," in *Partnership for Growth*, Peter Rashish, ed., The European Institute, Washington, D.C., 1994.

*How to Invest in Eastern Europe*, Pasha Publishers and PlanEcon, Inc., Arlington, VA, 1993.

"Taking Stock of the 'Big Bang'" in *Stabilization and Privatization in Poland*, Kazimierz Poznanski, ed., Kluwer Academic Publishers, Boston, 1993.

"Institutional Legacies and the Economic, Social and Political Environment for Transition in Hungary and Poland," *American Economic Review*, Vol. 81, No. 2, May 1991, pp. 318-322.

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"Property Rights and Privatization in Hungary," in *Economic Transition in Eastern Europe*, Michael Marrese, ed., Organization for Economic Cooperation and Development, Paris, 1991.

"An Assessment of the Polish Reform in State-Owned Industry," in *The Polish Economy in a Time of Transition*, David Kemme, ed., University of Arizona Press, 1991.

*The Effect of Employer Sanctions on the Flow of Undocumented Immigrants to the United States*, JRI-03 with Beth J. Asch, Joanna Heilbrunn and Danielle Culinane, The RAND Corporation, April 1990.

*Rethinking Security Arrangements in Europe*, N-3904-AF, with Charles Cooper, Tom Hirschfeld, and Jim Steinberg, The RAND Corporation, February 1990.

*Soviet Foreign Policy and the Revolution of 1989 in Eastern Europe*, R-3903-USDP with Jim Brown and Ron Asmus, The RAND Corporation, 1990.

"Specialization Agreements: An Effective CMEA Policy Tool?", in *Pressures for Reform in the East European Economies*, Joint Economic Committee of Congress, 1989.

"Soviet Economic Policy towards Eastern Europe," in *Continuity and Change in Soviet-East European Relations: Implications for the West*, Marco Carnovale and William Potter, eds., Westview, Boulder, Colorado, 1988.

*Soviet Economic Policy Towards Eastern Europe*, N-2861-RC, The RAND Corporation, November 1988.

*An Assessment of the Polish Reform in State-Owned Industry*, N-2710-PCT, The RAND Corporation, June 1988.

"Polish Economic Policy and Western Economic Leverage", in *Creditworthiness and Reform in Poland*, Paul Marer and Wlodimierz Siwiniski, eds., Indiana University Press, Bloomington, IN, December, 1987.

*The Effectiveness of Specialization Agreements Within the CMEA*, R-3518, with Deborah Skoller, The RAND Corporation, December 1987.

*Polish Economic Policy and Western Economic Leverage*, N-2585-OSD/FF, The RAND Corporation, February 1987.

*Western Leverage and East European Military Spending*, R-3444-USDP/1, The RAND Corporation, March 1987.

"Foreign Trade Decision making Under Balance of Payments Pressure: Poland versus Hungary", *Eastern European Economies: Slow Growth in the 1980s*, Joint Economic Committee of Congress, March, 1986.

*The Soviet Economic Dilemma of Eastern Europe*, R-3368-PAF, The RAND Corporation, March, 1986.

"Poland's Mountain of Debt: Will it Dwindle?" Comparative Economic Studies, November, 1985.

*The Creditworthiness of Eastern Europe in the 1980s*, R-3201-USDP, The RAND Corporation, January, 1985.

"The Polish Economic Collapse: Contributing Factors and Economic Costs" with David Kemme, Journal of Comparative Economics, Spring, 1984.

“Removing Export-Credit Subsidies to the Soveit Bloc”, with Daniel F. Kohler, *Journal of Comparative Economics*, Vol. 9, 1985, pp. 371-390.

*Economic Costs and Benefits of Subsidizing Western Credits to the East*, R-3129-USDP, with Daniel F. Kohler, The RAND Corporation, June, 1984.

*The Effects of Export Credit Subsidies on Western Exports to the Soviet Bloc*, N-2106-USDP, The RAND Corporation, June, 1984.

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