

Curriculum Vita: Dr. Jonathan E. Czarnecki, Ph.D.

Naval War College Monterey, 699 Dyer Road, Halligan Hall, Room 253, Monterey, CA 93943
Telephone: (831) 656-2653
E-mail: jczarne@nps.edu

EDUCATION (CIVILIAN AND MILITARY):

2001	Naval War College Command and General Staff College (with Great Distinction), Newport, Rhode Island
1999	Strategic Planning, American Management Association
1998	Defense Strategy, Army War College, Carlisle, Pennsylvania
1994	Defense Resource Management, Defense Resource Management Institute
1988	Armed Forces Staff College, Norfolk, Virginia (with Distinction)
1983	Signal Officer Advanced, Ft. Gordon, Georgia (with Great Distinction)
1979	Ph.D., Political Science, State University of New York At Buffalo, New York
1978	Organizational Facilitation, Institute for Man and Science, Rensselaerville, New York
1975-1978	Charles F. Kettering Fellow, SUNY/Buffalo
1976	M.A., Political Science, SUNY/Buffalo
1970	Communications Operations and Security, Ft. Monmouth and Ft. Holabird (with Great Distinction)
1970	Signal Officer Basic, Ft. Gordon (with Distinction)
1970	B.S. Social Sciences and Industrial Management, Clarkson University, New York

PROFESSIONAL EXPERIENCE:

2001-Present	Professor, Naval War College, Monterey Programs Office, Monterey, CA
2001-Present	Founder, Strategic Process Enhancement, Carmel, CA
1997-2001	Assistant Professor/Program Developer (military), Defense Resource Management Institute, Monterey, CA
1995-1997	Deputy Chief Financial Officer and Strategic Planner (military) Army National Guard, Washington, DC
1993-1995	Chief, Strategic Financial Planning & Management (military) Army National Guard, Washington, DC
1992-1993	Chief of Administration (military) National Guard Bureau, Washington, DC
1991-1992	Senior (military) Army Human Relations Task Force, Washington, DC
1988-1991	Chief, Strategic Planning, Intelligence and Forecasting, (military) Headquarters Department of the Army, Washington, DC

1983-1988	Human Resources Management Analyst (military), Army National Guard, Washington, DC
1980-1983	Senior Budget Examiner, New York State
1981-1983	Adjunct Professor, State University of New York, Albany
1978-1980	Legislative Policy Analyst, State Senate, Albany, NY
1973-1978	Teaching Assistant, State University of New York, Buffalo
1970-1973	Army Officer, Assorted posts world-wide

ASSOCIATIONS:

American Political Science Association
 Association of United States Army Strategists
 Midwest Political Science Association
 International Security Affairs Conference
 United States Naval Institute

BOOKS, ARTICLES, AND PAPERS:

- "Philosophy *driving* Ontology: Ideas from the Past Influencing the Future of Command (and Control)," Fifteenth International Command and Control Research and Technology Symposium, Santa Monica, California, June, 2009
- "Military Organizations and Operations as Models of Change: A Statistical Explanation of Who Succeeds and Fails On the Battlefield," Midwest Political Science Association, Chicago, Illinois, April 2010
- "Homeland Security: Enduring Weakness of Command and Control," Western Political Science Association, San Francisco, California, April, 2010
- "Defining the Operating Environment: The Critical First Step in 21st Century Military Operations," ISSS/ISAC Conference, Monterey, California, October, 2009
- "Agility and Appropriateness: Matching Shift to Scale," Fourteenth International Command and Control Research and Technology Symposium, Washington, D.C., June, 2009
- "Why Combat Operations Succeed or Fail: A Final Report on the Major Combat Operations Statistical Model (MCOSM)," Midwest Political Science Association, April, 2009.
- "The National Security Strategy of the United States: Performance over Time," Strategos, Vol. 1, Issue 1, January, 2009.
- "The Limits of Information," Proceedings of the PROTEUS Workshop; Carlisle Barracks, Pennsylvania: United States Army War College, July, 2008.
- "The National Security Strategy of the United States: Efficiency and Effectiveness, Performance over Time," International Security Affairs Conference, Vail, Colorado, October, 2008
- "The Failed Thermostat: The Illusion of Control In an Information-Rich Age," Thirteenth International Command and Control Research and Technology Symposium, Seattle, Washington, June, 2008.
- "Understanding Modern Major Combat Operations: Lessons from the Extreme Edge of Politics," Midwest Political Science Association, Chicago, April, 2008
- "Command and Control Operational Warfare in an Age of Entropy," for Tenth International Command and Control Research and Technology Symposium, Newport, Rhode Island, June, 2007.

- "Confronting the Enemy: The United States Navy Between 1962-1980," in Kenneth Hagan, editor, In Peace and War, revised edition to be published in 2007.
- "The CoG Crutch and Other Concepts of a Transformational System," in Campaigning, Joint Advanced Warfighting School, Joint Forces Staff College, Summer, 2006.
- "Exploring the Oracle of Battle: The Pursuit of a Practical Theory of Joint Combat Operations," in International Symposium of Forecasting Conference Proceedings, ISF Press: San Antonio, Texas, June, 2005.
- "Much Ado About...little: (Or How to Confuse and Confound the Public on Defense Dollars)", for Northrup Information Services, Scott, Virginia, December 26, 2004.
- with Kenneth Hagan, "Transforming Athena: Educating Officers During A Period of Great Change," for Fifth Annual Conference on Military Pedagogy, Shrivenham, England, December 14, 2004.
- "Oracle of Battle: A First Approach to Forecasting Success in Joint Combat Operations," in International Symposium of Forecasting Conference Proceedings, ISF Press: Sydney, Australia, July, 2004.
- "Towards a Theory of Joint Military Operations," in InFORMS Annual Conference Proceedings, InFORMS: Atlanta, December, 2003.
- "Attributes for an Effective Homeland Defense," in InFORMS Annual Conference Proceedings, InFORMS: San Jose, California, November, 2002.
- "Long and Deep Journey: A 21st Strategic Planning Approach for the Army National Guard Directorate." Submitted for publication to National Guard Review, December, 2000.
- "Learning from the Past: What Wellington can teach 21st Century Warriors." Submitted for the Colbert Prize, Naval War College, June, 1999.
- "Strategic Planning in Uncertain Times: Using Cross Impact Analysis." Presented at the International Quality Planning Conference Seminar, Washington: May, 1997.
- Supporting Data for the State of Franklin. A technical supplement to the Army National Guard Strategic Planning course. Washington, National Guard Bureau: 1996.
- The Army National Guard Long-Range Plan, Washington, National Guard Bureau: 1990, 1991.
- Energy Prospects for New York State: A Qualitative Forecast: A Special Report to the Senate Minority Leader. Albany, New York: New York State Senate, 1980.
- "An Initial Analysis of New York State Hazardous Waste Transportation Policy." Presented at the Adelphi Forum, Adelphi University, Westbury, New York: March, 1981.
- "Qualitative Energy Forecasts." Presented at the National Energy Conference, West Virginia University, Morgantown: September, 1980.
- "Community Impact Assessment: A Survey Approach." Presented at the Conference on Social Impact Assessment, Calgary, Canada: 1980.

- "Rural Housing in New York State." Presented at the New York State Conference on Rural Housing, Plattsburgh, New York: 1979.
- In Rem Housing. A Special Report for the New York State Senate Housing Committee, Albany, New York: 1979.
- "Water Pollution Control: An Implementation Estimate Based on the Predispositions of Implementors," with Sheldon Kamieniecki and Steven Cohen. Occasional Paper, Environmental Studies Center, State University of New York, Buffalo: 1979.
- with Sheldon Kamieniecki, "Representation and Participation in Water Quality Planning," Presented at the Western Political Science Association meeting, Portland, Oregon: 1978.
- "Community through Participation." Presented at the American Political Science Association Annual meeting, Chicago: 1978.
- with Sheldon Kamieniecki, "Public Participation in Water Quality Planning," in Energy and Environmental Issues, Michael Stedman (ed.), Lexington Books, 1978.
- with Harry Klodowski and Lester Milbrath, "Beliefs about Growth," Technology and Growth, Volume XIII, May, 1978.
- as part of the Environmental Studies Center Staff, "An Extra Dimension of Representation in Water Quality Planning: A Survey of Erie and Niagara Counties, New York, 1976," Occasional Paper, Environmental Studies Center, State University of New York, Buffalo: 1977.
- with Robert Sahr, "Environmental Beliefs of Adirondack Residents and Leaders," in Proceedings of the Northern New York-Lake Champlain Environmental Conference, Miner Center, Chazy, New York: 1975.

LECTURES AND PRESENTATIONS:

- "Remembering Pearl," Speech, Navy Order and Navy League, December, 2009
- "Braddock's Defeat: It's Relevance to C2 In the Age of Complex Irregular Warfare"
- Presentation to American Institute of Engineers, San Diego, California, October 2009
- International Symposium of Forecasting Presentation: "Exploring the Oracle of Battle," San Antonio, Texas, June 13, 2005.
- Naval Postgraduate School Modeling and Simulation Department Lecture, "Military Operations Other Than War: Modeling Challenges," March 28, 2005.
- Australian Defence College Lecture and Presentation, "Understanding Information: Key to Successful Joint Operations," Canberra, Australia,
- July 8, 2004.
- InFORMS Presentation, "Towards a Theory of Joint Combat Operations," Atlanta, November 12, 2003.
- Naval War College Presentation, "Including International Students in the Nonresident Curriculum," Newport, Rhode Island, August 4, 2003.
- Office of the Secretary of Defense (Policy) Presentation, "Comments on a Force Sizing Strategy," June 14, 2003 (originally written in May, 2001.)

- United States Naval Reserve Presentation, "Operational Art," Monterey, California, June 10, 2003.
- Naval War College Joint Military Operations Course Presentation, "The Application of Tempographs in Understanding Operational Cycles of War," May 12, 2003.
- Washington InFORMS Presentation, "Thoughts on Boyd, Systems Analysis and The Future of War," Washington, DC, April 22, 2003.
- Naval Postgraduate School OR/SA Department Presentation, "Network Centric Warfare, Behavioral Transformation, and Project Delta," Monterey, California, April 2, 2003.
- Canadian Forces College Lecture and Presentation, "The Future of Maritime Strategy," Toronto, Canada, December 18, 2002.
- Naval Postgraduate School NWC Lecture and Presentation, "The Future of Maritime Strategy," Monterey, California, March 30, 2002.
- Naval Postgraduate School NWC Lecture and Presentation, "20th Century Strategists," Monterey, California, August 28, 2002.
- Republic of Estonia Ministry of Defence Workshop Facilitation and Presentations, "Planning, Programming and Budgeting for a National Defence Strategic System," February - June, 2001.
- Secretary of Defense Consultative Analysis for Strategic Review, "A Portfolio Approach to Prioritizing Programs," Spring, 2001.

OTHER RELEVANT ACADEMIC PRODUCTS:

- Six Book Reviews: Five in Naval War College Review and one in Journal of Military History
- Teaching Defense Resource Management to a dozen countries for Defense Resource Management Institute, 1997-2001.
- Designing and Teaching Strategic Planning and Thinking courses to more than 500 military and civilian leaders for National Guard Bureau, 1990-1997.
- Providing Strategic and Long-Range Planning consultations to 22 States and four Federal agencies for the United States Army and National Guard Bureau, 1990-1997.
- Becoming certified as a facilitator and as a strategic planner through the Institute of Man and Science, Rensselaerville, New York, and the American Management Association, Washington, DC, in 1978, 1999, and 2000.

CONFERENCES AND ROLES:

- Discussant, Midwest Political Science Association, 2010.
- Panel Chair and Presenter, Midwest Political Science Association, 2009.
- Panel Chair and Presenter, Midwest Political Science Association, 2008.
- Eisenhower Conference on Homeland Security, October, 2005, Participant.
- International Symposium of Forecasters, June, 2005, Panel Chair and presenter.
- Army War College Annual Strategy Conference, April, 2004, Strategy Workshop Participant.
- National inFORMS Conference, October 2003, Panel Chair and presenter.

- Current Strategy Forum, June 2003, Facilitator.
- Annual Strategy Conference, April 2003, Workshop participant.
- Washington DC inFORMS Conference, April 2003, Discussant.
- National inFORMS Conference, November 2002, Presenter.
- Fletcher Conference on National Strategy, September 2002, Participant.
- Army War College Annual Strategy Conference, April 2002, Strategy Workshop Participant.
- Institute of National Security Studies (NDU) Conference on Joint Operations, September, 2001, Participant.
- Army War College Annual Strategy Conference, April 2000, Teaching Workshop Participant
- Army War College Annual Strategy Conference, April 1999, Workshop Participant

LOCAL ACADEMIC COMMUNITY ACTIVITIES:

- Member of Modeling and Simulation Council for Naval Postgraduate School.
- Teaching associate for NPS Global Public Policy Academic Group

CURRENT RESEARCH PROJECTS:

❖ **“Joint Combat Operations Model and Theory”**

SUBJECT: Joint Major Combat Operations, past and present.

METHOD: Statistical model development and testing; Thurstone Judgmental Development.

OUTPUT: Set of close-ended questions for use by Joint Forces Commander or Combatant Commander for use in final stages of Collaborative Planning to reassure Commander of probability of success in major combat operations; reports, articles, book on the development and testing of the model.

REQUIREMENTS: Continual updating to reinforce validity of model; validation through interviews with unified command planning community.

❖ **“Information as The Key to Success in Operational Thinking”**

SUBJECT: The role and importance of Information in Operational Art

METHOD: Mathematical proof of theory; empirical demonstrations.

OUTPUT: Curricula change to Operational Art to reflect the centrality of Information to operational Thinking and Planning; reports, articles on the centrality of Information to War and Operational Art.

REQUIREMENTS: Cases for demonstration of theory; time for research to development mathematics of theory.