

DANIEL ROTHBART
Professor of Conflict Analysis and Resolution

Institute for Conflict Analysis and Resolution
George Mason University
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EDUCATION

M. A., Philosophy State University of New York at Binghamton

Ph.D., Philosophy Washington University, St. Louis, Missouri
Dissertation: "Conjectures and Refutations: A Critique of Karl
Popper's Philosophy of Science"

CURRENT POSITIONS

Professor of Philosophy, Department of Philosophy, GMU

Professor of Conflict Analysis and Resolution, Institute for Conflict Analysis and Resolution,
GMU

PREVIOUS POSITIONS

Visiting Research Scholar, Linacre College, Oxford, Summer 2000
Acting Chair, Department of Philosophy and Religious Studies, GMU, 1995-1996
Visiting Research Scholar, Department of Philosophy, Dartmouth College, Summer 1994
Visiting Research Scholar, Department of History and Philosophy of Science, University of
Cambridge, Summer 1990

FELLOWSHIPS AND AWARDS

ICAR Faculty Research Award 2007
Excellence in Teaching Award, Office of the Provost, GMU, 2000
Fenwick Fellowship Award, GMU, 2000
Technology Across the Curriculum, College of Arts and Science, GMU, 2000
Templeton Foundation Award for Science and Religion Course, \$10,000, 1997
Faculty Study Leave, Fall 1999, George Mason University
National Endowment of Humanities Summer Seminar: Science and Values, 1985

SCHOLARSHIP IN CONFLICT ANALYSIS

Book:

Co-edited, Identity, Morality, and Threat: Studies in Violent Conflict Lexington Books: 2006.
(with Karina Korostelina)

Co-authored book chapters

“General Introduction,”

“Moral Denigration of the Other”

“Good Violence and the Myth of the Eternal Soldier”

Book Chapters and Articles:

"Threats, Identities and Group Violence," Conflict and Communication, forthcoming.

“Recent Advances in Positioning Theory,” (co-authored) Theory & Psychology, forthcoming.

“Causation as a Core Concept in Conflict Analysis” (co-authored) in Conflict Resolution: Core Concepts, Theories, Approaches and Practices, Sean Byrne, Dennis Sandole, Jessica Senehi, and Ingrid Staroste-Sandole, Eds., Routledge Press, 2008..

"The Enemy and the Innocent of Violent Conflict," (co-authored) in Conflict Resolution: Core Concepts, Theories, Approaches and Practices, Sean Byrne, Dennis Sandole, Jessica Senehi, and Ingrid Staroste-Sandole, Eds., Routledge Press, 2008.

“Rwandan Radio Broadcasts and Hutu/Tutsi Positioning” (Co-authored) in Global Conflict Resolution through Positioning Theory, Edited by Fathali M. Moghaddam and Rom Harré, Springer (New York), 2008.

“Social Justice and Indigenous Identities,” Social Justice, Vol. 6. No. 1 (2006): 98-112

Under Review

Book Manuscript: Why They Die: Civilian Devastation in Violent Conflict

Article: “Causality in Explanations of Identity-based Conflicts”

Article: “Israeli Leaders' Deliberations over Striking Civilian Targets during the Lebanon War - A Social Psychological Analysis”

Invited Presentations:

“Threat and Collective Axiology” panel discussion on Identity, Morality, and Threat, American Association for the Study of Nationalities, The Harriman Institute, Columbia University, 12-14 April 2007.

“The Sources of Violent Conflict” Academy of Sciences, Institute of Philosophy and Law

Dushanbe, Tajikistan, May 10, 2006

“Indigenous Identity and Social Justice,” 2005 Northeast Political Science Association/International Studies Association Northeast, November 2005, Philadelphia, PA.

“Ingroup Purification and Outgroup Devaluation,” American Psychological Association, Annual Meeting, Washington, DC, August 2005.

“Memory, Identity, and Conflict,” International Studies Association Meeting, Boston, November 10-13, 2004.

TEACHING IN ICAR

Courses Developed and Taught:

CONF 393 Philosophy, Conflict Theory, and Violence (2005, 2006, 2007)
CONF 795 Positioning Theory and Protracted Conflict (spring 2006)
CONF 695 Ethics of Practice (spring 2006)
CONF 695 The Enemy and the Innocent (fall 2007)
CONF 795 Hannah Arendt on Violence, Morality, and Conflict Resolution (fall 2007) (team-teach with Mark Goodale and Carlos Sluzki)

Courses Taught:

CONF 301 Research and Inquiry in Conflict Analysis
CONF 501 Introduction to Conflict Analysis and Resolution
CONF 694 Internship (2005-present)
CONF 703 Conceptions of Practice
CONF 810 Philosophy and Conflict Research

Dissertation Committee Chair:

Dena Hawes (Defended April 18, 2007)
Jennifer Langdon (Defended November 26, 2006)
Jeremy Rinker (in progress)
Pamela Creed (in progress)

Dissertation Committee Member:

Talha Kose
Mery Rodriguez
Cynthia S. Mazur
Terry Beitzel
Janice MacCrae
John Windmueller (2006)

Masters Thesis Committees Member (2005-2007)

David Alpher
Julie Shedd
Gerardine St. Jean
Santos Bangura
Michael Rupert
Mark Wilson

PROFESSIONAL SERVICE IN CAR

Evaluator

Title of Proposal: Religion and Education in Tajikistan: Toward Tolerant Civic Society

Sponsoring Agency: US Department of State

Submitted: January 2005

Responsibilities: Evaluate network of religious and civil leaders, assess development of resource center in Tajikistan, and promote professional linkages between Tajikistani institutions and GMU. Funding for entire project: \$200,000

Evaluator

Title of Proposal: "George Mason University/Tbilisi State University (Georgia) Partnership to Prepare Conflict Resolution Specialists for Conflicts in Georgia,"

Sponsoring Agency: Bureau of Educational and Cultural Affairs, US Department of State

Submitted: May 2003

Responsibilities: Evaluation of two-year project to create graduate program in Conflict Management at Tbilisi State University.

Funding for entire project: \$240,000

Evaluator

Title of Project: Retrospective Evaluation of Concordis International

Sponsoring Agency: Concordis International

Submitted: September 2005

Responsibilities: Evaluate programs of NGO seeking sustainable peace in Darfur, and other war-torn regions of Africa.

Funding for entire project: \$7200

Co-editor, Success Stories in the Field of Conflict Resolution, The Alliance for International Conflict Prevention and Resolution, forthcoming.

SERVICE: ICAR

Internship Coordinator [Instructor of CONF 694 every semester from spring 2005 to presents]

Committees

2007: Ad Hoc Committee on Methods Courses for Doctoral Program

2002- 2006: Undergraduate Program Committee

2005-2006: Grievance Committee

Convener of Conference: Workshop on Positioning Theory and Conflict Analysis, March 25-26, 2006

Facilitator of Working Groups:

2007: Conflict Prevention
2006-2007: Paradigms of Conflict
2005-2006: Evaluation and CR Practice

SCHOLARSHIP IN PHILOSOPHY

Books:

Author:

Philosophical Instruments: Minds and Tools at Work University of Illinois Press, 2007.

Explaining the Growth of Scientific Knowledge: Metaphors, Models and Meanings. Mellen Press, 1997 (Problems in Contemporary Philosophy, vol. 37).

Editor:

Modeling: Gateway to the Unknown. A Work by Rom Harré. Studies in Multidisciplinarity. Volume 1. Amsterdam, The Netherlands: Elsevier Science, B. V. 2004.

Science, Reason and Reality: Issues in the Philosophy of Science. Forth Worth, TX: Harcourt/Brace, 1997. (Also Bilingual Edition. Beijing, China: Peking University Press).

Inquiry: Critical Thinking Across the Disciplines, Summer 1996, Vol. XV.

Articles and Book Chapters (Refereed Review):

"Visualizing Instrumental Techniques of Surface Chemistry" (co-authored), in Philosophy of Chemistry, edited by D. Baird and E. Scerri. Boston Studies in the Philosophy of Science, Dordrecht: Springer Publishing Company, 2005: 309-324.

"Scientific Prototypes as Analogies of Science," Theoria and Historia Scientiarum, Vol. 8, No. 1 (2004): 209-222.

"General Introduction," Modeling: Gateway to the Unknown. A Work by Rom Harré. Amsterdam, The Netherlands: Elsevier Science, B. V. 2004.

"The Revolution in Instrumentation," Hyle: An International Journal in the Philosophy of Chemistry, Vol. 9 (2003): 123-126.

"Laboratory Metaphors," University Scholars Occasional Papers, Volume 2, National University of Singapore, 2003.

"Justifying Instrumental Techniques of Analytical Chemistry" (co-authored), in Chemical Explanation: Characteristics, Development, Autonomy, edited by Joseph E. Earley, Sr. Annals of the New York Academy of Sciences, New York: The New York Academy of Sciences, 2003, pp. 250-256.

"Designing Instruments and the Design of Nature," in Scientific Experimentation and its Philosophical Significance, edited by Hans Radder. Pittsburgh, Pennsylvania: University of Pittsburgh Press, 2003, pp. 236-254.

"The Dual Nature of Chemical Substance," Techné: Society for Philosophy & Technology, Volume 6 Number 2 (Winter 2002).

"Philosophy and the Engineering of Instruments" in Analecta Husserliana: The Yearbook of Phenomenological Research, Volume LXXIV: Energies, Forces and the Shaping of Life, edited

by Anna-Teresa Tymieniecka. Kluwer Academic Publishers, 2002, pp. 117-133.

"Analogy," Encyclopedia Americana, Volume One. Grolier Educational. (2002): Pp.1-3.

"Substance as Function in Chemical Research," in Molecules and Minds, edited by N. Bhushan and S. Rosenfeld. Oxford: Oxford University Press, 2000, pp. 75-89.

"On the Relationship between Instrument and Specimen in Chemical Research," Foundations of Chemistry: Philosophical, Historical and Interdisciplinary Studies of Chemistry, Vol. 3 (1999): 257-270.

"The Design of Nature through Chemical Instrumentation," in Ars Mutandi: Issues in Philosophy and History of Chemistry, edited by N. Psarros and K. Gavroglu. Leipzig: Leipziger Universitäts Verlag, 1999, pp. 65-73.

"Extending Popper's Epistemology to the Laboratory," Dialectica, Vol. 52, No. 3 (1998): 247-254.

"Metaphor as an Exact Concept in the Theory of Properties," Theoria, Volume 2 (1998): 91-103. (Co-authored).

"Kant's Critique of Judgment and the Scientific Investigation of Nature," Hyle: An International Journal in the Philosophy of Chemistry, Volume 3 (1997): 65-80. (Co-authored).

"Spectrometers as Analogues of Nature," in PSA: 1994, Volume One. East Lansing, MI: Philosophy of Science Association, 1994, pp. 141-148.

Reprinted with minor revision as "Observing the Analogies of Nature," in Continental and Postmodern Approaches to the Philosophy of Science, edited by B. Babich, D. Bergoffen, S. Glynn. Aldershot, England: Avebury Press, 1995, pp. 111-120.

"The Epistemology of a Spectrometer," Philosophy of Science, Volume 61 (1994): 25-38. (Co-authored) (Also translated into Polish.)

"Discovering Natural Kinds through Inter-theoretic Prototypes," Methodology and Science, Volume 26 (1993): 171-189.

"On the Role of History in Mathematical Proof," Telesio Courses in Mathematics, Vol. 3, edited by L. Maieru and D. Struppa. Cozenza, Italy: Mediterranean Press, 1991, pp. 121-130.

"Analogical Information Processing within Scientific Metaphor," in Analogical Reasoning: Perspectives of Artificial Intelligence, Cognitive Science, and Philosophy, Synthese Library series, edited by D. Helman. Dordrecht, Netherlands: D. Reidel, 1988, pp. 377-399.

"Scientific Metaphor within a Problem Solving Methodology," in Abstracts of the VIII International Congress of Logic, Methodology and Philosophy of Science, edited by I. Frolov. Moscow, USSR: Institute of Philosophy of the Academy of Sciences of the USSR, 1987, vol. 4, Sec. 6, pp. 119-123.

"Metaphor, Meaning and Methodology," in Growth of Knowledge: Philosophy, Science, and Dialectics, edited by H. Heinz and J. Manninen. Cologne, West Germany: Pahl-Rugenstein

Verlag, 1987, pp. 102-108.

"Scientific Unification Through Metaphor," in Essays on Creativity and Science, edited by D. DeLuca. Honolulu, Hawaii: Hawaii Council of Teachers, 1986, pp. 163-166.

"The Semantics of Metaphor and the Structure of Science," Philosophy of Science, Volume 51 (1984): 595-615.

"An Analysis of Changing Trends in Philosophies of Science on Nursing Theory Development and Testing," Advances in Nursing Science 6 (1984): 1-13. (Co-authored).

Reprinted in Perspectives on Nursing Theory, edited by L. Nicholl. Boston: Little, Brown and Co., 1986, pp. 293-303.

"Moral Contracts and the Physician-Patient Relation," Journal of Bioethics, Volume 5 (1984): 54-63.

"Reconciling Logicism with Historicism," Methodology and Science: International Journal for the Empirical Study of the Foundations of Science, Volume 17 (1984): 115-125.

"Towards a Logical Analysis of Extended Argument," Informal Logic, Volume V (1983): 15-20.

"The Moral Dilemma of Treating Spina Bifida Newborns," Contemporary Philosophy IX (1983): 2-4 (Co-authored)

"Demarcating Genuine Science from Pseudo-Science," in Philosophy of Science and the Occult, edited by P. Grim. Albany, New York: State University of New York Press, 1982, pp. 94-106.

"Popper Against Inductivism," Dialectica: International Review of Philosophy of Knowledge, Volume 34 (1980): 121-127.

Invited Papers:

"Science and Values," Symposium: Le Cenacle, University of Quebec at Rimouski, Canada, May 20, 2003.

"Metaphors, Models and Meanings in Science" Workshop on Metaphor and the Sciences, The National University of Singapore, November 25, 2002.

"Explaining Instrumental Techniques of Analytical Chemistry," Sixth Summer Symposium of the International Society for the Philosophy of Chemistry, Georgetown University, Washington, DC., August 4-8, 2002.

"Metaphors, Instrumental Technologies and Advances in 19th Century Science,," INCS 17th Annual Conference, George Mason University, April 11-14, 2002.

"Agents of Skill," Language, Logic, and Logistics: Agent Modeling from Cross-Disciplinary Discourse, New Mexico State University, Las Cruces, New Mexico, January 25-27, 2002.

"Lines, Designs, and Creative Minds in Engineering," 2001 Conference of the Humanities & Technology Association, University of Virginia, Charlottesville, September 19-21, 2001.

"Chemical Substance as Technological Artifact," at Fifth Meeting of International Society for Philosophy of Chemistry, Loughborough University, Loughborough, England, August 6-9, 2001.

"Engineering Models as Mimetic Devices," Language, Logic, and Logistics: Modeling and Cross-Disciplinary Discourse, New Mexico State University, Las Cruces, New Mexico, January, 2001.

"Designing Instruments and the Design of Nature," Towards a More Developed Philosophy of Scientific Experimentation: An International Workshop, Vrije University, Amsterdam, June 15-17, 2000.

"Wittgenstein and the Grammar of Schematic Diagrams in Science," Russell and Wittgenstein Conference, American University, Washington, DC, March, 2000.

"Philosophy and the Engineering of Instruments" The Third International Congress in Phenomenology of Life and the Sciences of Life, Jagiellonian University, Krakow, Poland, September 13-16, 1999.

"Philosophy and the Engineering of Analytical Instruments" International Society for the Philosophy of Chemistry, University of South Carolina, Columbia, South Carolina, August, 1999.

"Can We Exclude Nature from Laboratory Research?" Philosophy of Science Association Meeting, Kansas City, Missouri, October, 1998.

"The Role of Nature in Chemical Instrumentation" International Society for the Philosophy of Chemistry, Sidney Sussex College, Cambridge, England, August, 1998.

"Hacking's Turn to Antirealism," International Society for the Philosophy of Chemistry, Bradford, England, July 1997.

"The Purposiveness of Nature and Kant's Crisis of Judgment" History of Philosophy of Science Conference, Roanoke, VA, April, 1996 (co-authored).

"The Design of Nature through Chemical Instrumentation," International Conference on the Philosophy of Chemistry, Athens, Greece, April 1996.

"The Dynamics of DNA" International Society for the Philosophy of Chemistry, Bradford, England, July, 1994.

"Spectrometers as Analogues of Nature," Philosophy of Science Association Meeting, New Orleans, Louisiana, October, 1994.

"Towards an Epistemology of Instrumentation," IX International Congress of Logic, Methodology, and Philosophy of Science," Uppsala, Sweden, August 1991.

"Observing the Analogies of Nature," XIV Kiev Symposium on the Science of Science, Kiev, Ukraine, September, 1991.

"The Structure of Concept Transformation: Philosophical Implications of John Lyons Semantic Field Theory," World Congress of Philosophy, Brighton, England, August, 1988.

"Scientific Metaphor in a Problem Solving Methodology," X International Congress of Logic, Methodology and Philosophy of Science, Moscow, August 1987.

"Scientific Unification through Metaphor," Creativity and Science Conference, University of Hawaii, March 1985.

"Metaphor, Meaning, and Methodology," International Association for the Study of Dialectical Philosophy, Helsinki, Finland, September, 1984.

"Contributions of Philosophy of Science to Nursing Theory," Virginia Carolina Doctoral Consortium in Nursing, April 1983.

"The Morality of Treating Spina Bifida Newborns," Intermountain Philosophy Conference, North Carolina, April 1982.

TEACHING IN PHILOSOPHY

Publication

A Concise Introduction to Logic: Study Guide. Kendell-Hunt, 1995

Courses Developed and Taught

(2005) PHIL 391/CONF 399: Philosophy, Conflict Theory, and Violence

(2004) PHIL 180: Logic and Law

(2003) PHIL 591: Philosophy, Science, and Society

(1998) PHIL 421: Seminar: Thomas Kuhn and His Critics

(1997) PHIL 560: Philosophical Foundations of Science

(1996) NCLC 260: Religion and Science (team-taught)

(1995) LS 670: Religion and Science (team-taught)

(1993) PHIL 377: Metaphysical Foundations of Science

(1993) PHIL 421: Metaphors, Models and Meanings in Science

(1991) LS 520: Science, Reason and Reality

(1986) PHIL 391/PHYS 590: Quantum Theory: Its Scientific and Philosophical Implications (team-taught)

(1984) PHIL 610/NURS 660 Graduate Seminar in the Ethics of Health Care (team-taught)

(1984) PHIL 421: Seminar: Metaphor and the Foundations of Knowledge

(1983) PAGE 227: Scientific Thought and Processes (team-taught)

(1982) PAGE 252 Technology and Society (team-taught)

(1982) PHIL 105: Critical Reasoning

Other Courses taught

PHIL 173: Introduction to Logic

PHIL 332: Twentieth-Century Analytic Philosophy

PHIL 373: Theory of Knowledge

PHIL 371: Philosophy of Natural Sciences

PHIL 357/SOC 599: Philosophy of the Social Sciences

PHIL 376: Symbolic Logic

SERVICE IN PHILOSOPHY

Professional (Current)

Editorial Board, Online Journal of Issues in Nursing

Editorial Board: Foundations of Chemistry: Philosophical and Historical Studies in Chemistry, Kluwer Academic Press

Scientific Board: Hyle: An International Journal in the Philosophy of Chemistry, Institute of Philosophy, University of Karlsruhe, Germany

Departmental Service

2005-2007, Chair, Performance Review Committee

2006-2007, Search Committee for Bioethicist

2005, Chair Search Committee

2004-2005, Member, Departmental Salary Committee

2003 Chair, Ad Hoc Committee to Develop Performance Criteria for Faculty (Criteria accepted)

2002-2003 Chair, Ad Hoc Committee to Develop Minor in Law and Philosophy

2002-2003 Chair, Promotion and Tenure Committee for Rose Cherubin (Promotion awarded)

1995-1996, Acting Chair, Department of Philosophy and Religious

1990, Chair, Promotion and Tenure committee for Wayne Froman

1987, Chair, Promotion and Tenure Committee for Shannon Skouskgaard

Departmental Representation, Phi Sigma Tau Philosophy Honors Society

College Service

1998-2001 CAS Promotion and Tenure Committee

1996-1998 CAS Council

Scholarly Activities Committee

1987-1989 Linguistics Committee

1985-1989 Academic Policies and Planning Committee

General Education Subcommittee

1982-1984 Academic Appeals Committee

University Service

2004-5 Ad Hoc Steering Committee for CAS (“the split”)

2001-2002 Teaching Excellence Committee

1993 Doctoral Dissertation Committee, School of Nursing

1991-1993 Robinson Search Committee

1988-1989 Research Planning Council: Internal Grants Review subcommittee

1988 General Education Task Force: Analytical Reasoning Subcommittee

1986-1988 Committee Human Subjects Review Committee

1983-1985 PAGE

Convener of Conferences, Seminars and Lecture Series

1995 Co-organizer of Conference: Critical Thinking '95

1992-1993 Organizer of Lecture Series in Linguistics

1988 Co-organizer of Conference: Bell's Theorem, Quantum Theory, and Conceptions of the Universe, GMU

1987-1988 Organizer of Lecture Series: Quantum Theory and Conceptions of the Universe