Stanford



M Elisabeth Pate-Cornell

Burton J. and DeeDee McMurtry Professor in the School of Engineering and Professor, by courtesy, of Aeronautics and Astronautics

Management Science and Engineering

Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrative contact**

  Sarina Gaeta - Administrative Associate

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Bio

BIO

Dr. Marie-Elisabeth Paté-Cornell is the Burt and Deedee McMurtry Professor in the School of Engineering, and a Professor and Founding Chair of the Department of Management Science and Engineering at Stanford University (2000-2011). Previously, she was the Professor and Chair of the Stanford Department of Industrial Engineering and Engineering Management and an Assistant Professor of Civil Engineering at MIT. Her specialty is engineering risk analysis with application to complex systems (seismic risk, space systems, medical procedures and devices, offshore oil platforms, cyber security, etc.). Her earlier research has focused on the optimization of warning systems and the explicit inclusion of human and organizational factors in the analysis of systems' failure risks. Her more recent work is on the use of game theory in risk analysis with applications that have included counterterrorism and cyber security.

She is a member of the National Academy of Engineering where she chairs the section of Interdisciplinary Engineering and Special Fields, of the French Académie des Technologies, and of the NASA Advisory Council. She is co-chair of the committee of the National Academies (NASEM) on risk analysis methods for nuclear war and nuclear terrorism. She is a Fellow (and past president) of the Society for Risk Analysis and of the Institute for Operations Research and Management Science. She is the author of more than one hundred publications, with several best paper awards, and the co-editor of a book on Perspectives on Complex Global Problems (2016). She was a member of the Board of Advisors of the Naval Postgraduate School, which she chaired from 2004 to 2006, and of the Navy War College. Dr. Paté-Cornell was also a member of the President's (Foreign) Intelligence Advisory Board (2001-2008), of the board of the Aerospace Corporation (2004-2013) of Draper Laboratory (2009-2016), and of InQtel (2006-2017). She was awarded the Frank Ramsey Medal of the Decision Analysis Society, the 2021 IEEE Ramo medal in Systems Engineering and Science, and the 2022 PICMET Award for Leadership in Technology Management. She is a Fellow (and past president) of the Society for Risk Analysis and of the Institute for Management Science and Operations Research, and a Distinguished Vising Scientist of the NASA Jet Propulsion Laboratory. She is the author of more than one hundred publications, for which she got several best paper awards, and the co-editor of a book on Perspectives on Complex Global Problems (2016). She holds a BS in Mathematics and Physics, Marseille (France), an Engineering degree (Applied Math/CS) from the Institut Polytechnique de Grenoble (France), an MS in Operations Research and a PhD in Engineering-Economic Systems, both from Stanford University.

She and her late husband, Dr. Allin Cornell had two children, Philip Cornell (born 1981) and Ariane Cornell (1984). She is married to Admiral James O. Ellis Jr. (US Navy, Ret.).

ACADEMIC APPOINTMENTS

- Professor, Management Science and Engineering
- Professor (By courtesy), Aeronautics and Astronautics

ADMINISTRATIVE APPOINTMENTS

- Elected Member, National Academy of Engineering, (1995- present)
- Member, Board of Advisors of NPS Monterey, (2012- present)
- Member, Intelligence Science and Technology Experts Group of the National Academies, (2016- present)
- Member, NASA Advisory Council, (2016- present)
- Member, Corporation of Draper Laboratory, (2009-2016)
- Member, Stanford Advisory Board, (2005-2010)
- Former Chair, Department of Management Science and Engineering, (2000-2011)
- Vice-Chair, Senate, (1998-1999)

HONORS AND AWARDS

- Recipient of the PICMET Award for Leadership in Technology Management, PICMET (2022)
- Recipient of the Ramo medal from IEEE in Systems Engineering and Science, IEEE (2021)
- Distinguished Visiting Scientist, Jet Propulsion Laboratory (2018)
- Best-paper award: “Asteroid Risk Assessment: A Probabilistic Approach.", Risk Analysis (paper with J. Reinhardt, X. Chen, W. Liu, P. Manchev) (2016)
- Best paper Award: “Probabilistic Warnings in National Security Crises: Pearl Harbor Revisited”, Decision Analysis, Vol. 13, No. pp. 1-25. by Blum D.M. and M.E. Paté-Cornell: (2016)
- Doctor of Business Administration, Honorary degree, University of Strathclyde, Glasgow, UK (2016)
- Ramsey Medal of the Decision Analysis Society, Institute for Operations Research and the Management Sciences (INFORMS). Decision Analysis Society (2010)
- Chevalier dans L’Ordre National du Merite, Ordre National du Mérite, France. (2008)
- Best-paper Award for the year, Military Operations Research Journal (2003)
- Member, French Académie des Technologies (2003)
- Chair, Decision Analysis Society of the Institute for Operations Research and the Management Sciences (2002-03)
- Award for Meritorious Civilian Service, U.S. Air Force (2002)
- Teaching Award for graduate teaching at the doctoral level, Stanford Department of Management Science and Engineering (June 2002)
- Distinguished Achievement Award, Society for Risk Analysis (2002)
- Fellow, Institute for Operations Research and the Management Sciences (INFORMS) (2002)
- Best paper of the year, IEEE Engineering Management Society (EMS) (2001)
- Conseiller, (Advisor), French Academy of Engineering (2001)
- Council member, National Academy of Engineering (2001)
- Visiting Professor, Ecole Normale Supérieure, Cachan, France (March 1996)
- President, Society for Risk Analysis (1995-1996)
- Fellow, Society for Risk Analysis (1995)
- Member, National Academy of Engineering (1995)

- Visiting Scholar, Electric Power Research Institute, Palo Alto, CA (January-March, 1995)
- Stanford Fellow, NASA-ASEE (1994)
- Decision Analysis Publication Award for the year, Decision Analysis Society of the Institute for Operations Research and the Management Sciences (1994)
- Finalist-Edelman Management Award, The Institute for Management Science (May 1993)
- Best Paper Award, American Nuclear Society (June 1990)
- Visiting Scholar, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria (July-August 1979)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, National Academy of Engineering (1995 - present)

PROFESSIONAL EDUCATION

- PhD, Stanford University (1978)

Teaching

COURSES

2026-27

- Project Course in Engineering Risk Analysis: MS&E 250B (Spr)
- Reliability and Resilience of Engineered Systems: MS&E 250A (Win)
- Senior Project: MS&E 108 (Win)

2025-26

- Project Course in Engineering Risk Analysis: MS&E 250B (Spr)
- Reliability and Resilience of Engineered Systems: MS&E 250A (Win)
- Senior Project: MS&E 108 (Win)

2024-25

- Engineering Risk Analysis: MS&E 250A (Win)
- Project Course in Engineering Risk Analysis: MS&E 250B (Spr)
- Senior Project: MS&E 108 (Win)

2023-24

- Engineering Risk Analysis: MS&E 250A (Win)
- Project Course in Engineering Risk Analysis: MS&E 250B (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Zhengyang Wei

Doctoral Dissertation Advisor (AC)

Victoria Li

Master's Program Advisor

Steele Billings, Jaxon Gonzales, Annika Hoy, Shrish Janarthanan, Sebastian Marsoner, Arya Pudota, Noah Semu, Jonathan Chen Tang, Theodore Wu, Anchen Yang

Doctoral (Program)

Khang Do, Kent Hippler

Publications

PUBLICATIONS

- **UNCERTAINTIES, INTELLIGENCE, AND RISK MANAGEMENT: A FEW OBSERVATIONS AND RECOMMENDATIONS ON MEASURING AND MANAGING RISK** *STANFORD JOURNAL OF INTERNATIONAL LAW*
  Pate-Cornell, E.
  2015; 51 (1): 53-67
- **Improving Risk Management: From Lame Excuses to Principled Practice** *RISK ANALYSIS*
  Pate-Cornell, E., Cox, L. A.
  2014; 34 (7): 1228-1239
- **Project Fox: near-earth objects impact risk**
  Paté-Cornell, M., E.
  2013
- **On risk analysis models for engineered systems using Bayesian methods**
  Paté-Cornell, M., E.
  2013
- **Counter-terrorism modeling: anticipating an attack**
  Paté-Cornell, M., E.
  2013
- **Recalibrating risks: reactions to Three-Mile Island, Chernobyl and Fukushima**
  Paté-Cornell, M., E.
  2013
- **On black swans and perfect storms**
  Paté-Cornell, M., E.
  2013
- **Decisions, risks, and games involving intelligent actors**
  Paté-Cornell, M., E.
  2013
- **An Engineering Risk Analysis perspective on “black swans” and “perfect storms: taking avoiding and managing the risks of rare events”**
  Paté-Cornell, M., E.
  2013
- **The illusion of classical validation for counter-terrorism models: verification and justification of variables and data**
  Paté-Cornell, M., E.
  2013
- **The tiger under the bed**
  Paté-Cornell, M., E.
  2013
- **On "Black Swans" and "Perfect Storms": Risk Analysis and Management When Statistics Are Not Enough** *RISK ANALYSIS*
  Pate-Cornell, E.
  2012; 32 (11): 1823-1833
- **Games, Risks, and Analytics: Several Illustrative Cases Involving National Security and Management Situations** *DECISION ANALYSIS*
  Pate-Cornell, M. E.
  2012; 9 (2): 186-203
- **Shortcuts in Complex Engineering Systems: A Principal-Agent Approach to Risk Management** *RISK ANALYSIS*

Garber, R., Pate-Cornell, E.
2012; 32 (5): 836-854

- **Counterinsurgency: A Utility-Based Analysis of Different Strategies** *MILITARY OPERATIONS RESEARCH*
  Kucik, P., Pate-Cornell, E.
  2012; 17 (4): 5-23
- **Risk and Decision Analysis: Academic Experience and Current Research** *Epstein Institute invited seminar series, University of Southern California. Los Angeles, CA.*
  Paté-Cornell, M., E.
  2012
- **Some remarks on uncertainty, model complexity and the risks of no risk analysis**
  Paté-Cornell, M., E.
  2012
- **Tsunami design criteria for the Fukushima Dai-ichi nuclear power plant: an inquiry driven by curiosity**
  Paté-Cornell, M., E.
  2012
- **Risk Management in Game Situations: Principal-agent and adversarial examples**
  Paté-Cornell, M., E.
  2012
- **The risks of no risk analysis: The choice of a tsunami design criterion for the Fukushima-Daiichi nuclear power plant**
  Paté-Cornell, M., E.
  2012
- **Solar storms: Impact on cascading power grid failures A simple model and illustration**
  Paté-Cornell, M., E.
  2012
- **Effects of sever space weather on cascading power failure: an illustrative model and policy implications**
  Larrosa, C., Kaneshiro, L., Zhao, J., Paté-Cornell, M., E.
  2012
- **Systems, risks and games analysis**
  Paté-Cornell, M., E.
  2012
- **Risk analysis in the systems engineering context a few examples and comments on Fukushima**
  Paté-Cornell, M., E.
  2012
- **A probabilistic framework for tactical warnings: inferring localized drug violence**
  Paté-Cornell, M., E.
  2012
- **Risk Management in Game Situations: Principal-agent, Adversarial and Cooperation Examples** *MIT, Engineering Systems Division Lecture Series, Cambridge MA.*
  Paté-Cornell, M., E.
  2012
- **Insolvencies in the American Property and Casualty Insurance Industry: a System's Approach** *Risk and Decision Analysis*
  Deleris, L., A., Paté-Cornell, M., E.
  2012; 3: 3-18
- **Analysis of National Strategies to Counter a Country's Nuclear Weapons Program** *DECISION ANALYSIS*
  Caswell, D. J., Howard, R. A., Pate-Cornell, M. E.
  2011; 8 (1): 30-45

- **Probabilistic Analysis of a Country's Program to Acquire Nuclear Weapons** *MILITARY OPERATIONS RESEARCH*
  Caswell, D. J., Pate-Cornell, M. E.
  2011; 16 (1): 5-20
- **Probabilistic Simulation of Multi-stage Decisions for Operation of a Fractionated Satellite Mission**
  Daniels, M., P., Tracey, B., Irvine, J., Schran, W., Pate-Cornell, M., E.
  2011
- **Report to the Department of Interior: Macondo Well-Deepwater Horizon Blowout: Lessons for Improving Offshore Drilling Safety (Committee member; co-author)** *National Academy of Engineering*
  Paté-Cornell, M., E.
  National Academy Press, Washington D.C..2011: 1
- **Are engineering companies too risk-averse?**
  Paté-Cornell, M., E.
  2011
- **Improving the service industry: a Stanford perspective**
  Paté-Cornell, M., E.
  2011
- **Probabilistic Analysis of a Country's Program to Acquire Nuclear Weapons** *Military Operations Research*
  Caswell, D., Paté-Cornell, M., E.
  2011; 16 (1): 5-16
- **Space Weather: Impact on cascading power grid failures. A simple model and illustration**
  Paté-Cornell, M., E.
  2011
- **Risk Analysis: An Alternative to the "Stuff-happens" Philosophy (or words to that effect)**
  Paté-Cornell, M., E.
  2011
- **From Piper Alpha to Deepwater Horizon: some observations of risk management and regulation in the offshore oil industry**
  Paté-Cornell, M., E.
  2011
- **Games, Risks and National Security**
  Paté-Cornell, M., E.
  2011
- **Dynamics in Early Warning and Crisis Management with David Blum, Homeland Security and Advances in Risk Analysis**
  Paté-Cornell, M., E.
  2011
- **Safety Analysis of the Advanced Airspace Concept using Monte Carlo Simulation**
  Blum, D., M., Tipphavong, T., L., Rentas, Y., He, X., Wang, Paté-Cornell, M., E.
  2010
- **Risk analysis when intelligent actors are involved** *(illustrated by the cases of the failure risks of the tiles of the space shuttle and patient risks in anesthesia), Invited Lecture Series in Systems Engineering, National University of Singapore (NUS).*
  Paté-Cornell, M., E.
  2010
- **Risks and games: three models and illustrations**
  Paté-Cornell, M., E.
  2010
- **Fires on Offshore platforms: a risk analysis perspective on Piper Alpha**
  Paté-Cornell, M., E.

2010

- **Taking, avoiding and managing risks: An engineering perspective, including experts, games, and a few lessons learned**
  Paté-Cornell, M., E.
  2010
- **Stage-Gate Process for the Development of Medical Devices** *JOURNAL OF MEDICAL DEVICES-TRANSACTIONS OF THE ASME*
  Pietzsch, J. B., Shluzas, L. A., Pate-Cornell, M. E., Yock, P. G., Linehan, J. H.
  2009; 3 (2)
- **Greener grass and faster lanes** *On the roots of the brain drain from Europe to the US, Atomium Culture, European Parliament, Brussels, Belgium.*
  Paté-Cornell, M., E.
  2009
- **Accident Precursors** *The Wiley Encyclopedia of Operations Research and Management Science*
  Paté-Cornell, M., E.
  edited by Cochran, James, J.
  Wiley Pub.2009: 1
- **The Iterative Nature of Medical Device Design**
  Shluzas, Lauren, A., Pietzsch, Jan, B., Paté-Cornell, M., Elisabeth, Yock, Paul, G., Linehan, John, H.
  2009
- **Expert opinions in risk analysis**
  Paté-Cornell, M., E.
  2009
- **Engineering Risk Analysis: Lessons Learned**
  Paté-Cornell, M., E.
  2009
- **Risks and games: intelligent actors and fallible systems**
  Paté-Cornell, M., E.
  2009
- **Accident Precursors** *The Wiley Encyclopedia of Operations Research and Management Science*
  Paté-Cornell, M., E.
  edited by Cochran, James, J.
  Wiley Pub.2009: 1
- **The Iterative Nature of Medical Device Design**
  Shluzas, Lauren, A., Pietzsch, Jan, B., Paté-Cornell, M., Elisabeth, Yock, Paul, G., Linehan, John, H.
  2009
- **Expert opinions in risk analysis**
  Paté-Cornell, M., E.
  2009
- **Engineering Risk Analysis: Lessons Learned**
  Paté-Cornell, M., E.
  2009
- **Bayesian assessment of overtriage and undertriage at a level I trauma centre** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*
  DiDomenico, P. B., Pietzsch, J. B., Pate-Cornell, M. E.
  2008; 366 (1874): 2265-2277
- **Early technology assessment of new medical devices** *INTERNATIONAL JOURNAL OF TECHNOLOGY ASSESSMENT IN HEALTH CARE*
  Pietzsch, J. B., Pate-Cornell, M. E.
  2008; 24 (1): 36-44

- **Risk Analysis and Game Theory: Three Management and Policy Examples**
  Paté-Cornell, M., E.
  2008
- **Assessment of Overtriage and Undertriage at a Level I Trauma Centre** *Philosophical Transactions of the Royal Society: Mathematical, Physical and Engineering Sciences*
  DiDomenico, P., B., Pietzsch, J., B., Paté-Cornell, M., E.
  2008: 2265-2277
- **Assessing Risks of Terrorist Threats**
  Paté-Cornell, M., E.
  2008
- **Some Progress in the Analysis of Intelligence Information: Where We Are and Possible Improvements**
  Paté-Cornell, M., E.
  2008
- **Engineering Risk Analysis** *IEEE Technology Management Council of Silicon Valley, Sunnyvale CA.*
  Paté-Cornell, M., E.
  2008
- **Risk analysis when several decision makers are involved: policy and management examples** *FUR XIII, Barcelona, Spain.*
  Paté-Cornell, M., E.
  2008
- **Probabilistic Risk Analysis Versus Decision Analysis: Similarities, Differences and Illustrations** *11th International Conference on the Foundations and Applications of Utility, Risk and Decision Theory*
  Pate-Cornell, E.
  SPRINGER-VERLAG BERLIN.2007: 223–242
- **Medical Device Development Models**
  Paté-Cornell, M., E.
  2007
- **Rationality and Imagination: The Engineering Risk Analysis Method and Some Applications** *Advances in Decision Analysis, Edward*
  Paté-Cornell, M., E.
  edited by Miles, E., Winterfeldt, v.
  Cambridge University Press.2007: 1
- **Engineering Risk Analysis: What we do, how we do it, and why do we do it?** *IPER 330, Stanford University*
  Paté-Cornell, M., E.
  2007
- **Probabilistic Risk Analysis vs. Decision Analysis: Similarities, Differences and Illustrations** *Uncertainty and Risk: Mental, Formal and Experimental Representations*
  Paté-Cornell, M., E.
  edited by Abdellaoui, M., Luce, R., D., Machina, M.
  Springer Pub..2007: 223–242
- **Review of US Medical Device Regulation** *Journal of Medical Devices*
  Pietzsch, J., B., Aquino, L., M., Yock, P., G, Paté-Cornell, M., E., Linehan, J., H.
  2007; 1: 283-292
- **Evidence-based decisions: who says no? provided that the evidence is right**
  Paté-Cornell, M., E.
  2007
- **Engineering risk analysis of a hospital oxygen supply system** *MEDICAL DECISION MAKING*
  Deleris, L. A., Yeo, G. L., Seiver, A., Pate-Cornell, M.
  2006; 26 (2): 162-172

- **Engineering Risk Analysis: Influence of Human and Organizational Factors**
  Paté-Cornell, M., E.
  2006
- **The Respective Roles of Risk and Decision Analyses in Decision Support** *Decision Analysis*
  Paté-Cornell, M., E., Dillon, R., L.
  2006; 3 (4): 220-232
- **Global Financial Analysis (GFA): a Strategic Model of Bankruptcies in the Insurance Industry**
  Deleris, L., A., Paté-Cornell, M., E.
  2006
- **Managing Shortcuts in Engineering Systems and Their Safety Effects: A Management Science Perspective**
  Garber, R., G., Paté-Cornell, M., E.
  2006
- **Probability of infancy problems for space launch vehicles** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  Guikema, S. D., Pate-Cornell, M. E.
  2005; 87 (3): 303-314
- **Including Technical and Security Risks in the Management of Information Systems: A Programmatic Risk Management Model** *Systems Engineering*
  Dillon, L., R, Paté-Cornell, M., E.
  2005; 8 (1): 15-28
- **A Bayesian Approach to Iraq's Nuclear Program Intelligence Analysis: A Hypothetical Illustration**
  McLaughlin, J., Paté-Cornell, M., E.
  2005
- **Engineering Risk Analysis for Pro-Active Risk Management**
  Paté-Cornell, M., E.
  2005
- **Optimal Use of Budget Reserves to Minimize Technical and Management Failure Risks During Complex Project Development** *IEEE Transactions on Engineering Management*
  Dillon, L., R., Pate-Cornell, M., E., Guikema, S., D.
  2005; 52 (3)
- **Prospective Evaluation of Management Alternatives in Policy Making: Anesthesia Patient Risk Example**
  Paté-Cornell, M., E.
  2005
- **Probabilistic Modeling of Terrorist Threats**
  Paté-Cornell, M., E.
  2005
- **On the limitations of redundancies in the improvement of system reliability** *RISK ANALYSIS*
  Pate-Cornell, M. E., Dillon, R. L., Guikema, S. D.
  2004; 24 (6): 1423-1436
- **Dynamic modeling of the tradeoff between productivity and safety in critical engineering systems** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  Cowing, M. M., Pate-Cornell, M. E., Glynn, P. W.
  2004; 86 (3): 269-284
- **Managing technology development for safety-critical systems** *IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT*
  Sachon, M., Pate-Cornell, M. E.
  2004; 51 (4): 451-461
- **Organizational warning systems: A probabilistic approach to optimal design** *IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT*

Lakats, L. M., Pate-Cornell, M. E.
2004; 51 (2): 183-196

- **Bayesian analysis of launch vehicle success rates** *JOURNAL OF SPACECRAFT AND ROCKETS*
  Guikema, S. D., Pate-Cornell, M. E.
  2004; 41 (1): 93-102
- **Risk Analysis for Monitoring and Diagnosis of Problems in the Automotive Industry**
  Paté-Cornell, M., E., Han, B., Christopher
  2004
- **A Framework for Probabilistic Assessment of New Medical Technologies**
  Pietzsch, J., B., Paté-Cornell, M., E., Krummel, T., M.
  2004
- **The role of probabilistic risk analysis and decision analysis in the development process of large complex systems**
  Paté-Cornell, M., E.
  2004
- **Risk Costs for New Dams: Economic Analysis and Effects of Monitoring** *The Economics of Natural Hazards*
  Paté-Cornell, M., E., Tagaras, G.
  edited by Kunreuther, H., Rose, A.
  The International Library of Critical Writings in Economics, An Elgar Reference Collection, Northampton, MA..2004: 461–470
- **Organizational Warnings and System Safety: A Probabilistic Analysis** *IEEE Transactions on Engineering Management*
  Lakats, M., L., Paté-Cornell, M., E.
  2004; 51 (2): 183-196
- **Engineering Risk Analysis and Management** *Boeing Engineering Leadership Lecture Series, Boeing, Saint Louis, Missouri.*
  Paté-Cornell, M., E.
  2004
- **Engineering Systems and systems engineering in the MS&E department at Stanford University**
  Paté-Cornell, M., E.
  2004
- **Optimal Redundancy for Series Systems: a Value-maximizing Approach**
  Garber, R., G., Hatfield, J., W., Paté-Cornell, M., E.
  2004
- **A ProbabilisticAnalysis of the “Infancy Problem” of Space Launch Vehicles**
  Paté-Cornell, M., E., Guikema, S., D.
  2004
- **Analyzing Losses from Hazard Exposures: a Conservative Probabilistic Estimate Using Supply Chain Risk Simulation**
  Elkins, D., Deleris, L., A., Paté-Cornell, M., E.
  2004
- **On Signals, Response, and Risk Mitigation: a Probabilistic Approach to Precursors’ Detection and Analysis** *Accident Precursor Analysis and Management,: Reducing Technological Risk Through Diligence, Proceedings of the NAE workshop on Precursors, Phimister*
  Paté-Cornell, M., E.
  National Academy Press.2004: 45–59
- **Modeling the effects of dispersion of design teams on system failure risk** *JOURNAL OF SPACECRAFT AND ROCKETS*
  Garber, R., Pate-Cornell, M. E.
  2004; 41 (1): 60-68
- **Risk chair for concurrent design engineering: Satellite swarm illustration** *JOURNAL OF SPACECRAFT AND ROCKETS*
  Benjamin, J. L., Pate-Cornell, M. E.
  2004; 41 (1): 51-59

- **Analyzing Losses from Hazard Exposures: a Conservative Probabilistic Estimate Using Supply Chain Risk Simulation**
  Elkins, D., Deleris, L., A., Paté-Cornell, M., E.
  2004
- **On Signals, Response, and Risk Mitigation: a Probabilistic Approach to Precursors' Detection and Analysis** *Accident Precursor Analysis and Management,: Reducing Technological Risk Through Diligence, Proceedings of the NAE workshop on Precursors, Phimister*
  Paté-Cornell, M., E.
  National Academy Press.2004: 45–59
- **Modeling the effects of dispersion of design teams on system failure risk** *JOURNAL OF SPACECRAFT AND ROCKETS*
  Garber, R., Pate-Cornell, M. E.
  2004; 41 (1): 60-68
- **Risk chair for concurrent design engineering: Satellite swarm illustration** *JOURNAL OF SPACECRAFT AND ROCKETS*
  Benjamin, J. L., Pate-Cornell, M. E.
  2004; 41 (1): 51-59
- **Programmatic risk analysis for critical engineering systems under tight resource constraints** *OPERATIONS RESEARCH*
  Dillon, R. L., Pate-Cornell, M. E., Guikema, S. D.
  2003; 51 (3): 354-370
- **On the tiles of the space shuttle: a risk analysis in 1990 and the Columbia accident of 2003**
  Paté-Cornell, M., E.
  2003
- **Assessment and Ranking of Terrorist Threat: a Risk-Analytic Approach** *Marine Board of the NRC, Washington D.C.*
  Paté-Cornell, M., E.
  2003
- **Threat Assessment and Prioritization: a Risk Analysis Approach**
  Paté-Cornell, M., E.
  2003
- **A Probabilistic Approach to Precursors' Detection and Analysis in Risk Management**
  Paté-Cornell, M., E.
  2003
- **On the tiles of the Space Shuttle: estimating the risks and following up**
  Paté-Cornell, M., E.
  2003
- **Bayesian Analysis of Launch Vehicle Reliability**
  Guikema, D., Seth, Paté-Cornell, M., E.
  2003
- **Terrorism Threat Assessment and Prioritization: A Risk Analysis**
  Paté-Cornell, M., E.
  2003
- **Component choice for managing risk in engineered systems with generalized risk/cost functions** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  Guikema, S. D., Pate-Cornell, M. E.
  2002; 78 (3): 227-238
- **Risk and uncertainty analysis in government safety decisions** *RISK ANALYSIS*
  Pate-Cornell, E.
  2002; 22 (3): 633-646
- **Fusion of intelligence information: A Bayesian approach** *RISK ANALYSIS*
  Pate-Cornell, E.

2002; 22 (3): 445-454

- **Finding and fixing systems weaknesses: Probabilistic methods and applications of engineering risk analysis** *RISK ANALYSIS*
  Pate-Cornell, E.
  2002; 22 (2): 319-334
- **Assessment of the Effects of Biases on the Performance of a Portfolio of Missions** *International Journal of Aerospace Management*
  Guikema, S., D., Paté-Cornell, M., E.
  2002; 1 (4): 339-351
- **Probabilistic Modeling of Terrorist Threats: a Systems Analysis Approach to Setting Priorities Among Countermeasures** *Military Operations Research*
  Paté-Cornell, M., E., Guikema, S., D.
  2002; 7 (4)
- **Optimization of System and Compoennt Reinforcement with Discrete Risk/Cost Functions**
  Guikema, S., Paté-Cornell, M., E.
  2002
- **Assessment of the Benefits of Anesthesia Patient Risk Reduction Measures: a Systems Analysis Approach Based on Probability** *Handbook of Operations Research/Management Science Applications in Health Care*
  Paté-Cornell, M., E.
  edited by Pierskalla, W., Sainfort, F., Brandeau, M.
  Kluwer Pub.2002: 1
- **Quantitative Risk Analysis: Why, when, and how?**
  Paté-Cornell, M., E.
  2002
- **Principles of Quantitative Risk Analysis**
  Paté-Cornell, M., E.
  2002
- **An Overarching Systems (Risk) Analysis Model for Threat Assessment.**
  Paté-Cornell, M., E.
  2002
- **Early Technology Assessment of New Medical Devices and Procedures: A Systems Analysis Approach Using Probabilistic Modeling**
  Jan, B., Pietzsch, Krummel, T., M., Paté-Cornell, M., E.
  2002
- **Probabilistic risk analysis for the NASA space shuttle: a brief history and current work** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  Pate-Cornell, E., Dillon, R.
  2001; 74 (3): 345-352
- **Success factors and future challenges in the management of faster-better-cheaper projects: Lessons learned from NASA** *IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT*
  Pate-Cornell, M. E., Dillon, R. L.
  2001; 48 (1): 25-35
- **Risks of particle hits during space walks in low earth orbit** *IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS*
  Pate-Cornell, E., Sachon, M.
  2001; 37 (1): 134-146
- **The danger of myopic conservatism in risk analysis: the problem of time allocation for the deep space network**
  Guikema, S., Paté-Cornell, M., E.
  2001
- **Programmatic Risk Analysis to Search for Life on Mars**
  Paté-Cornell, M., E., Dillon, R., L.
  2001

- **Managing Technology in the Information Age: Stanford's New Department of Management Science and Engineering** *International Journal of Technology, Policy and Management, (IJTPM)*
  Paté-Cornell, M., E.
  2001; 1 (2): 160-173
- **Introducing a Risk Chair in Concurrent Design Engineering and Satellite Swarm Illustration**
  Benjamin, J., L., Paté-Cornell, M., E.
  2001
- **APRAM: An Advanced Programmatic Risk Analysis Method** *International Journal of Technology, Policy and Management (IJTPM)*
  Dillon, L., R., Paté-Cornell, M., E.
  2001; 1 (1): 47-65
- **Management of Post-industrial Systems: Academic Challenges and the Stanford Experience** *International Journal of Technology, Policy and Management, (IJTPM)*
  Paté-Cornell, M., E.
  2001; 1 (2): 151-159
- **Risk and Uncertainty Analysis in Government Safety Decisions**
  Paté-Cornell, M., E.
  2001
- **Delays and safety in airline maintenance** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  Sachon, M., Pate-Cornell, E.
  2000; 67 (3): 301-309
- **Safety and productivity trade-offs: managing nuclear reactor outages** *INTERNATIONAL JOURNAL OF TECHNOLOGY MANAGEMENT*
  Baron, M. M., Pate-Cornell, M. E.
  2000; 19 (3-5): 420-438
- **Can Faster-Better-Cheaper Work? Challenges and Recommendations for the Management of Future Space Missions**
  Paté-Cornell, M., E., Dillon, R., L.
  2000
- **Global Risk Management** *Environmental Risk Planning and Management*
  Paté-Cornell, M., E.
  edited by Turner, B.
  2000: 1
- **Advanced Programmatic Risk Analysis for Programs of Dependent Projects Involving Critical Systems, and Unmanned Space Mission Illustration**
  Paté-Cornell, M., E., Dillon, R., L.
  edited by Kondo, S., Furuta, K.
  2000
- **Greed and Ignorance: Motivations and Illustrations of the Quantification of Major Risks**
  Paté-Cornell, M., E.
  2000
- **Managing Technology in the Information Age: The New Department of Management Science and Engineering at Stanford University**
  Paté-Cornell, M., E.
  2000
- **Anticipating accidents that have not happened yet: A quantitative approach and airline maintenance application** *Conference on Foresight and Precaution*
  Pate-Cornell, E., Sachon, M.
  A A BALKEMA PUBLISHERS.2000: 289–295
- **Conditional uncertainty analysis and implications for decision making: The case of WIPP** *RISK ANALYSIS*
  Pate-Cornell, M. E.

1999; 19 (5): 995-1002

- **Risk assessment based on financial data: Market response to airline accidents** *RISK ANALYSIS*
  Dillon, R. L., Johnson, B. E., Pate-Cornell, M. E.
  1999; 19 (3): 473-486
- **Designing risk-management strategies for critical engineering systems** *IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT*
  Baron, M. M., Pate-Cornell, M. E.
  1999; 46 (1): 87-100
- **Global Trends in the Management of Post-industrial Systems: Academic Challenges and the Stanford Experience**
  Paté-Cornell, M., E.
  1999
- **Medical Application of Engineering Risk Analysis and Anesthesia Patient Risk Illustration** *American Journal of Therapeutics*
  Paté-Cornell, M., E.
  1999; 6 (5): 245-255
- **Airline Maintenance vs Flight Delays: Probabilistic Methods and Risk Management for Accidents That Have Not Happened Yet**
  Paté-Cornell, M., E., Sachon, M.
  1999
- **Challenges and Recommendations for the Management of Faster-Better-Cheaper Space Missions**
  Dillon, R., L., Paté-Cornell, M., E.
  1999
- **Dynamic risk management systems: Hybrid architecture and offshore platform illustration** *RISK ANALYSIS*
  Pate-Cornell, M. E., Regan, P. J.
  1998; 18 (4): 485-496
- **Challenges in the management of faster-better-cheaper space missions** *IEEE Aerospace Conference*
  Pate-Cornell, E., Dillon, R.
  I E E E.1998: 507–514
- **Diagnostic anténatal: doutes** *À visage différent: l'alliance thérapeutique autour de l'enfant meurtri*
  Paté-Cornell, M., E.
  Michel Serres and André Chancholle Eds.Hermann Pub., Paris, France.1998: 1
- **Risk comparison: Uncertainties and ranking** *4th International Conference on Probabilistic Safety Assessment and Management*
  Pate-Cornell, E.
  SPRINGER-VERLAG LONDON LTD.1998: 1991–1996
- **Analytical tools for the management of faster-better-cheaper space missions** *IEEE Aerospace Conference*
  Pate-Cornell, E., Dillon, R.
  I E E E.1998: 515–530
- **Priorities in risk management: Human and organizational factors as external events and a maritime illustration** *4th International Conference on Probabilistic Safety Assessment and Management*
  Pate-Cornell, E.
  SPRINGER-VERLAG LONDON LTD.1998: 2675–2680
- **Anesthesia patient risk: A quantitative approach to organizational factors and risk management options** *RISK ANALYSIS*
  PATECORNELL, M. E., Lakats, L. M., Murphy, D. M., Gaba, D. M.
  1997; 17 (4): 511-523
- **Probabilistic analysis of the effect of resource constraints on system safety: Towing failures during the construction of concrete platforms** *7th International Offshore and Polar Engineering Conference (ISOPE-97)*
  PATECORNELL, E., Rettedal, W.
  INTERNATIONAL SOCIETY OFFSHORE& POLAR ENGINEERS.1997: 268–274
- **Normative Engineering Risk Management Systems** *Reliability Engineering and System Safety*

Regan, P., E., Paté-Cornell, M., E.
1997; 57 (2): 159-169

- **Hybrid Dynamic Risk Management Systems: Concepts and Illustration** *Advances in Expert Systems for Management: Evaluation and Value in Knowledge-based Systems*
  Paté-Cornell, M., E., Regan, P., J.
  edited by Grabowski, M., Wallace, W., A.
  JAI Press, Greenwich, CT.1997; 2nd: 213–227
- **The Interdisciplinary Nature of Risk Analysis**
  Paté-Cornell, M., E.
  edited by Waller, R., A., Covello, V., T.
  1997
- **Patient risk in anesthesia: Probabilistic risk analysis and management improvements** *ANNALS OF OPERATIONS RESEARCH*
  PATECORNELL, E., Murphy, D., Lakats, L., Gaba, D.
  1996; 67: 211-233
- **Affordable Cleanup? Opportunity for Cost Reduction in the Decontamination and Decommissioning of the Nation's Enrichment Facilities (co-author of various sections)** *Committee on the Decontamination and Decommissioning of Uranium Enrichments Plants:*
  Paté-Cornell, M., E.
  National Academy Press, Washington, D.C..1996: 1
- **Global Risk Management** *Journal of Risk and Uncertainty*
  Paté-Cornell, M., E.
  1996; 12: 239-255
- **Human and Management Factors in Probabilistic Risk Analysis: the SAM Approach and Observations from Recent Applications** *Reliability Engineering and System Safety*
  Paté-Cornell, M., E., Murphy, D., M.
  1996; 53: 115-126
- **Advanced Risk Management System (ARMS): Cost Reduction through Better Safety Management**
  Seridji, A., Paté-Cornell, M., E., Regan, P., J.
  1996
- **Uncertainties in Risk Analysis: Six Levels of Treatment** *Reliability Engineering and System Safety*
  Paté-Cornell, M., E.
  1996; 54: 95-111
- **Uncertainties in Global Climate Change Estimates** *Climatic Change*
  Murphy, M., D., Paté-Cornell, M., E.
  1996; 33: 145-149
- **The SAM Framework: A Systems Analysis Approach to Modeling the Effects of Management on Human Behavior in Risk Analysis** *Risk Analysis*
  Murphy, D., M., Paté-Cornell, M., E.
  1996; 16 (4): 501-515
- **The Treatment of Uncertainties in Risk Analysis: Management Relevance and Comparison Issues**
  Paté-Cornell, M., E.
  1996
- **Patient Risk in Anesthesia and Benefits of Management Improvements**
  Paté-Cornell, M., E.
  1996
- **MANAGING FIRE RISK ONBOARD OFFSHORE PLATFORMS - LESSONS FROM PIPER-ALPHA AND PROBABILISTIC ASSESSMENT OF RISK REDUCTION MEASURES** *FIRE TECHNOLOGY*
  PATECORNELL, E.

1995; 31 (2): 99-119

- **Probabilistic Interpretation of Command and Control Signals: Bayesian Updating of the Probability of Nuclear Attack** *Reliability Engineering and System Safety*
  Paté-Cornell, M., E., Fischbeck, P., S.
  1995; 47 (1): 27-36
- **Structure and Illustration of a Probabilistic Risk Analysis Model for Space Shuttle EVAs**
  Paté-Cornell, M., E.
  1995
- **Dynamic Risk Management Systems: Concepts and Illustration**
  Paté-Cornell, M., E., Regan, P., J.
  1995
- **Numerical Safety Goals for Engineering Risk Management**
  Paté-Cornell, M., E.
  1994
- **Risk Analysis: Hazards and Zonation** *Improving the Safety of Marine Pipelines*
  Paté-Cornell, M., E.
  National Academy Press, Washington D.C..1994: 1
- **A Challenge to the Compound Lottery Axiom: A Two-stage Normative Structure and Comparison to Other Theories** *Theory and Decision*
  Paté-Cornell, M., E., Davis, D., B.
  1994; 37 (3): 267-309
- **Risk Management for the Tiles of the Space Shuttle** *Interfaces*
  Paté-Cornell, M., E., Fischbeck, P., S.
  1994; 24: 64-86
- **PRA As A Management Tool: Improving the Safety of the Tiles of the Space Shuttle Orbiter**
  Paté-Cornell, M., E., Fischbeck, P., S.
  1994
- **The Advanced Risk Management System - ARMS**
  Seridji, A., Paté-Cornell, M., E., Regan, P.
  1994
- **PRA As A Management Tool in the Design Phase**
  Paté-Cornell, M., E.
  1994
- **Quantitative Safety Goals for Risk Management of Industrial Facilities** *Structural Safety*
  Paté-Cornell, M., E.
  1994; 13 (3): 145-157
- **PROBABILISTIC RISK ANALYSIS AND RISK-BASED PRIORITY SCALE FOR THE TILES OF THE SPACE-SHUTTLE** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  PATECORNELL, E., Fischbeck, P. S.
  1993; 40 (3): 221-238
- **Learning from the Piper Alpha Accident: A Post-Mortem Analysis of Technical and Organizational Factors** *Risk Analysis*
  Paté-Cornell, M., E.
  1993; 13 (2): 215-232
- **Risk Analysis and Risk Management for Offshore Platforms: Lessons from the Piper Alpha Accident** *Journal of Offshore Mechanics and Arctic Engineering*
  Paté-Cornell, M., E.
  1993; 115: 179-190

- **Subjective De-biasing of Data Sets: A Bayesian Approach**
  Paté-Cornell, M., E.
  1993
- **Risk Management for Existing Facilities: A Global Approach to Numerical Safety Goals** *Applied Mechanics Reviews*
  Paté-Cornell, M., E.
  1993; 46 (5): 242-245
- **PRA AS A MANAGEMENT TOOL - ORGANIZATIONAL-FACTORS AND RISK-BASED PRIORITIES FOR THE MAINTENANCE OF THE TILES OF THE SPACE-SHUTTLE ORBITER** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  PATECORNELL, E., Fischbeck, P. S.
  1993; 40 (3): 239-257
- **A Two-step Procedure for the Bayesian Updating of the Probability of Nuclear Attack on the United States**
  Paté-Cornell, M., E., Fischbeck, P., S.
  1992
- **Management Errors and System Reliability: A Probabilistic Approach and Application to Offshore Platforms** *Risk Analysis*
  Paté-Cornell, M., E., Bea, R., G.
  1992; 12 (1): 1-18
- **The Advanced Risk Management System Project: A Resource-Constrained Normative Decision System**
  Besse, P., Seridji, A., Paté-Cornell, M., E., Regan, P., J.
  1992
- **Seismic Hazard Uncertainties in Rational Building Code Decisions**
  Paté-Cornell, M., E.
  1992
- **Rationality and Risk Uncertainties in Building Code Provisions**
  Paté-Cornell, M., E., Fischbeck, P., S.
  1991
- **Aversion to Epistemic Uncertainties in Rational Decision Making: Effects on Engineering Risk Management**
  Paté-Cornell, M., E., Fischbeck, P., S.
  1991
- **Hybrid Systems for Failure Diagnosis,** *Operations Research and Artificial Intelligence: The Integration of Problem Solving Strategies*
  Paté-Cornell, M., E., Lee, H.
  edited by Brown, D., E.
  Kluwer Academic Pub.1990: 1
- **Dynamic Optimization of Cash Flow Management Decisions: A Stochastic Model** *IEEE Transactions on Engineering Management*
  Paté-Cornell, M., E., Tagaras, G., Eisenhardt, K., M.
  1990; 37 (3): 203-212
- **Organizational Aspects of Engineering System Safety: The Case of Offshore Platforms** *Science*
  Paté-Cornell, M., E.
  1990; 250: 1210-1217
- **Organizational Control of System Reliability: A Probabilistic Approach and Application to Offshore Platforms** *Control-Theory and Advanced Technology*
  Paté-Cornell, M., E.
  1989; 5 (4): 549-568
- **Organizational Extensions of PRA Models and NASA Application**
  Paté-Cornell, M., E.
  1989
- **Organizational Roots of System Failure: The Case of Offshore Platforms**

Paté-Cornell, M., E.
1989

- **Organizational Roots of System Failure: The Case of Offshore Platforms**
  Paté-Cornell, M., E.
  1989
- **Engineering Reliability: The Organizational Link**
  Paté-Cornell, M., E., Seawell, J., Paul
  1988
- **Costs and Benefits of Seismic Rehabilitation**
  Paté-Cornell, M., E.
  1988
- **Organizational Factors in Reliability Models**
  Paté-Cornell, M., E.
  1988
- **Risk-Based Monitoring of Industrial Systems**
  Paté-Cornell, M., E., Lee, H., L.
  1988
- **PROBABILISTIC RISK ANALYSIS AND SAFETY REGULATION IN THE CHEMICAL-INDUSTRY** *JOURNAL OF HAZARDOUS MATERIALS*
  PATECORNELL, E., Boykin, R.
  1987; 15 (1-2): 97-122
- **Risk Regulation for Nuclear Power Plants: Probability and Analytical Uncertainties**
  Paté-Cornell, M., E.
  1987
- **Warnings of Malfunctions: The Decision to Inspect and Maintain Production Processes on Schedule or on Demand** *Management Science*
  Paté-Cornell, M., E., Lee, H., L., Tagaras, G.
  1987; 33 (10): 1277-1290
- **Risk in Defense Policy Decisions**
  Paté-Cornell, M., E.
  1987
- **Risk Uncertainties in Safety Decisions: Dealing with Soft Numbers**
  Paté-Cornell, M., E.
  edited by Lind, N., C.
  1987
- **Risk Analysis and Relevance of Uncertainties in Nuclear Safety Decisions,** *Public Regulation: New Perspectives on Institutions and Policies*
  Paté-Cornell, M., E.
  edited by Bailey, E., E.
  The MIT Press.1987: 227–253
- **Warning Systems in Risk Management** *Risk Analysis*
  Paté-Cornell, M., E.
  1986; 6 (2): 223-234
- **Probability and Uncertainty in Nuclear Safety Decisions** *Nuclear Engineering and Design*
  Paté-Cornell, M., E.
  1986; 93 (2 & 3): 319-327
- **Risk Uncertainties in Public Sector Safety Decisions: Assessment Methods and Management Implications**
  Paté-Cornell, M., E.
  1986

- **Risk Cost for New Dams: Economic Analysis and Effects of Monitoring** *Water Resources Research*
  Paté-Cornell, M., E.
  1986; 22 (1): 5-14
- **Fire Monitoring by Cameras in Oil Refineries: A Risk-Cost-Benefit Analysis**
  Paté-Cornell, M., E.
  1985
- **Reduction of Fire Risks in Oil Refineries: Economic Analysis of Camera Monitoring** *Risk Analysis*
  Paté-Cornell, M., E.
  1985; 5 (4): 277-288
- **Warning Systems and Defense Policy: A Reliability Model for the Command and Control of the U.S. Nuclear Forces** *Risk Analysis*
  Paté-Cornell, M., E., Neu, J., E.
  1985; 5 (2): 121-138
- **Warning Systems and Risk Reduction**
  Paté-Cornell, M., E.
  edited by Whipple, C., Covello, V.
  1985
- **Costs and Benefits of Seismic Upgrading of Some Buildings in the Boston Area** *Earthquake Spectra*
  Paté-Cornell, M., E.
  1985; 1 (4): 721-740
- **Warning Systems: Application to the Reduction of Risk Costs for New Dams**
  Paté-Cornell, M., E.
  1984
- **Warning Systems: Response Models and Optimization**
  Paté-Cornell, M., E., Benito-Claudio, C., P.
  1984
- **Fault Trees vs. Event Trees in Reliability Analysis** *Risk Analysis*
  Paté-Cornell, M., E.
  1984; 4 (3): 177-186
- **Earthquake Prediction: The Costs of Crying Wolf**
  Paté-Cornell, M., E.
  1984
- **Aggregation of Opinions and Preferences in Decision Problems** *Low Probability-High Consequence Risk Analysis: Issues, Methods and Case Studies, (Proceedings of the 1982 Annual Meeting of the Society for Risk Analysis held in Arlington, VA*
  Paté-Cornell, M., E.
  Plenum Press, New York.1984: 493–503
- **Warning Systems and Risk Reduction**
  Paté-Cornell, M., E.
  1983
- **Acceptable Decision Processes and Acceptable Risks in Public Sector Regulations** *IEEE Transaction on Systems, Man, and Cybernetics*
  Paté, M., E.
  1983; SMC-13 (3): 113-124
- **Seismic Regulation for Some Existing Buildings in the Boston Area: Economic and Safety Analysis**
  Paté-Cornell, M., E.
  1983
- **Discounting in Risk Analysis: Capital vs. Human Safety** *in Risk, Structural Engineering and Human Error*
  Paté-Cornell, M., E.

edited by Grigoriu, M.
University of Waterloo.1983: 1

- **Relevance of Risk Uncertainties in Regulated Decisions**
  Paté-Cornell, M., E.
  1983
- **Probabilistic Assessment of Warning Systems**
  Paté-Cornell, M., E.
  1983
- **Analysis of Warning Systems: Application to Earthquake Prediction** *Earthquake Prediction Research*
  Paté, M., E.
  1982; 1 (2): 197-205
- **The Decision to Predict Earthquakes and its Economic Implications**
  Paté, M., E.
  1981
- **Consistency of Standards Across the Different Economic Sectors**
  Paté, M., E.
  1981
- **Risk of Dam Failure in Benefit-Cost Analysis** *Water Resources Research*
  Baecher, G., B., Paté, M., E., Neufville, R., de
  1980; 16 (3): 449-456
- **Public Policy Issues: Earthquake Engineering** *Bulletin of the Seismological Society of America*
  Paté, M., E., Shah, H., C.
  1980; 70 (5): 1955-1968
- **Evaluation of the Economic Consequences of Natural Catastrophes**
  Paté, M., E.
  1980
- **Dam Failure in Benefit/Cost Analysis**
  Baecher, G., B., Paté, M., E., Neufville, R., de
  1980
- **Assessment and Mitigation of Earthquake Effects on Economic Production**
  Paté, M., E.
  1980
- **Acceptance of a Social Cost for Human Safety**
  Paté, M., E.
  1979
- **Public Policy Issues: Earthquake Prediction** *Bulletin of the Seismological Society of America*
  Paté, M., E., Shah, H., C.
  1979; 69 (5): 1533-1547
- **Public Policy in Earthquake Effects Mitigation**
  Paté, M., E., Linvill, W., K., Shah, H., C.
  1977
- **Review of the Prince William Sound Risk Assessment Study** *Committee on Risk Assessment and Management for Marine Systems (national Research Council, Marine Board).*
  Paté-Cornell, M., E., Ahearne, J.
  Chair of the committee, co-author of several sections. National Academy Press, Washington D.C..: 1

- **Probabilistic Analysis of the Effect of Resource Constraints on System Safety: Towing Failures During the Construction of Concrete Platforms**
  Paté-Cornell, M., E., Rettedal, W.

- **Games and Risk Analysis: Three examples of single and alternate moves** *Game theoretic Risk Analysis of Security Threats*
  Paté-Cornell, M., E.
  edited by Bier, V., Azaiez, M., N.
  Springer Pub, New York..: 147–175

- **Warning Systems for Engineering Projects**
  Paté-Cornell, M., E.