Chris Draper, Ph.D., P.E.

4225 Fleur Drive #132, Des Moines, IA 50321 | chris.draper@meidh.com | 515 210-0214

Experienced leader integrating new technologies and processes into advanced products and established organizations. Career of leadership for organizations ranging from small non-profits to large corporations, academic institutions to the Federal government. Expert in directing adoption of unconventional technologies, institutionalizing corporate processes that foster innovation, managing organizational cultures to maximize company performance, and defining productive inter-organizational partnerships focused on increasing corporate value.

Leadership 2024 – Present SafetAI San Francisco, CA

Board Chair (Fractional)

Responsible for engaging with organizations implementing AI augmented systems as the Board Chair to create and run their AI Safety Overview Board, ensuring compliance and ethical practices; recruiting top industry professionals to serve on the Board, fostering diverse perspectives and expertise; and managing Board operations effectively, facilitating strategic decision-making and risk management.

- Developed and published training materials Safe AI Basics that reached #1 New Release: Business Infrastructure on Amazon.
- Developed training courses for non-technical decision-makers, policymakers, and analysts responsible for implementing AI
 augmented systems in legally sensitive environment.

2024 – Present SunFox Energy Boston, MA

Chief Operating Officer (Fractional)

Responsible for defining and implemented operational strategies for a solar installation company, focusing on risk minimization and core technology installation; directing supply chain management controls and financing strategies to ensure efficient operations; and overseeing the implementation of systems needed to operate a distributed sales force, driving company growth and success.

2023 - Present Hu RACs Des Moines, IA

Chief Executive Officer (Fractional)

Responsible for delivering environmental, social, and governance (ESG) compliance solutions, primarily for beyond carbon applications with specific expertise in liquid-like materials and feedstocks. Formed November 2023 in response to Environmental Protection Agency (EPA) requirements for third-party storage of Renewable Fuel Standard (RFS) data, Hu RAC has quickly grown to manage compliance data for over 2.5B pounds of renewable fuel feedstock and over 300 tons of beyond carbon voluntary offset credits.

2021 – 2023 Third Coast Commodities Buchannan, MI

Chief Technology Officer

Responsible for developing and maintaining the technology vision and leading implementation of trading, contracting, operations, and blockchain-based compliance resources across Third Coast Commodities (3CC) and its subsidiaries Evergreen Grease, Ag Energy Transport, and Stilwell Logistics. 3CC is a FOG management company that provides a basket of service that aggregates, transports, recycles, & upcycles co products and by products of the commercial cooking and animal protein world into renewable feedstock primarily for Renewable Diesel and sustainable aviation fuel industries. 3CC is first and foremost a SERVICE company with that maintains relationships with mom and pop restaurants right up to Fortune 500 Companies. Whether by truck or rail, 3CC feedstock is powering the 21st Century Transportation Revolution.

2021 - Present City of Des Moines, Plan and Zoning Commission Des Moines, IA

Commissioner

Oversees the preparation and administration of the comprehensive plan (PlanDSM Creating Our Tomorrow), zoning, long-range planning, site planning, land subdivisions, and public improvements as defined by codes; sets policy; and determines plan and zoning requirements. Iowa Code Section 414.6.

Managing Director

Responsible for product design, business development, and growth strategies. Trokt is a cloud-based platform that efficiently, accurately, and securely controls complex collaborations. From contract negotiation to collective bargaining, arbitration to mediation, issue tracking to grievance resolution, Trokt manages complex, multi-party collaborations in one easy to use platform so any participant can securely access and participate from anywhere at anytime using any device with all the relevant information directly at their fingertips.

- Oversaw the successful rollout of Trokt within organizations such as the National Mediation Board, National Railroad Adjustment Board, Veterans Administration of Western Tennessee, United States Rugby Player Association, Palm Beach County Classroom Teachers Association, and the Online Dispute Resolution Bowl.
- Overseeing expansion into the special education, human resources, and government relations verticals.

2011 - Present Meidh Corporation

Des Moines, IA

Director (Formerly CEO)

Responsible for the performance and growth of Meidh Corporation, an engineering analysis firm that services clients across the United States. Meidh develops and installs human focused continual improvement processes designed to increase the value of corporate assets by reducing operational costs. My role included.

- Managing formation and client retention after an organizational split form Terrus Real Estate Group,
- Structuring the corporation, brother/sister corporations, and subsidiaries to ensure maximum flexibility and growth potential,
- Developing the inter-dependent product lines and roll-out strategies across Meidh's diverse disciplines,
- Identifying and enacted strategic partnerships with external corporations and non-profits.

Thought Leadership

2020 - Present Indiana University

Bloomington, IN

Visiting Scholar, Ostrom Workshop

Assisting to coordinate the Blockchain Governance Initiative exploring effective governance models for ensuring data quality using distributed ledger technologies.

2020 - Present National Center for Technology and Dispute Resolution

Amherst, MA

Fellow

Fellow contributing to the scholarship of the The National Center for Technology and Dispute Resolution (NCTDR), which supports and sustains the development of information technology applications, institutional resources, and theoretical and applied knowledge for better understanding and managing conflict. The Center believes that networked information technology can be uniquely leveraged to expand and improve conflict management resources and expertise. We are only at the beginning of understanding how individuals separated by great physical, cultural, or technological distances can utilize resources and expertise virtually. We conceive of the online environment as a "place" where increasingly powerful tools will be available for working to find solutions to many forms of offline/online conflict, whether they are public or private, whether they involve commercial transactions or other social relationships, and whether they are international or domestic.

2020 – 2022 American Bar Association

Washington, DC

Co-Chairperson, Technology Committee

Responsible for facilitating and further relationships between practitioners, technologists, and policymakers to advance the adoption of equitable technologies within the field of dispute resolution.

2019 – 2022 American Bar Association

Washington, DC

Chairperson, ODR Task Force, Working Group 1

Working to develop the standards guiding online dispute resolution system developers and the services provided to users.

2020 - 2021**IEP Equity** Strategic Leadership

Mediator

Responsible for developing the support materials, curriculum, and leading pre-dispute mediations at the request of parents during IEP meetings. IEP Equity provides mediation services to IEP teams during IEP consultations in an effort to avoid conflicts or Due Process. IEP Equity provides secure software and neutral mediation, bringing families together in creating an individualized education plan. My role included:

- Managing formation of IEP Equity as a spinout of Trokt,
- Structuring the corporation for its inclusion into the Iowa EdTech Accelerator,
- Creating internal processes to manage client and mediator operations.

2017 - 2021AIRMAP Santa Monica, CA

Consultant for Risk Products

AIRMAP is the world's leading UTM for unmanned aircraft. AIRMAP connects airspace authorities with the drone ecosystem to unlock safe, efficient, and scalable drone operations. My role included.

- Developing the risk concepts and computational design for how to optimize impact risk from drone flights
- Oversaw development of the AIRMAP Risk Engine for calculating flight risks in real time
- Oversaw development of consequence maps for multiple jurisdictions that enabled capability planning

2017 **Drake University** Des Moines, IA

Adjunct Professor, Business School

Responsible for developing, delivering, and assessing content and engagement towards undergraduate learning of operations management. Responsible for all aspects of student performance across more than eighty upper classmen and high performing sophomores. My role included.

- Developing curriculum for a flipped classroom.
- Overseeing day-to-day classroom management.
- Verifying the level of understanding using self-directed and group facilitated investigation and discussion.

2007 - Present Green Financial Exchange Des Moines, IA

Director

Responsible for guiding business development at the first marketplace for green fuels and their raw materials. Responsibilities and successes included:

- Establishing systems and processes that allowed the GFEX to secure up to 5% of the waste vegetable oil trading market in its first two years,
- Developing and securing partnership arrangements that saw the GFEX facilitate transactions with a cumulative product value on the order of \$500,000 per week, and
- Creating and selling a trading subsidiary to a major regional leader in the fats and oils trading industry.

2010 - 2017 Des Moines, IA Iowa Youth Rugby Association

Chairman, Board of Directors

Responsible for developing, implementing, and overseeing the strategy and tactics associated with growing all levels of youth rugby in the State of Iowa. My role included responsibility for:

- Creating and directing operation of the Iowa High School Rugby Association, a profitable high school rugby league that increased player participation from 26 players in 2010 to over 500 players in 2015,
- Overseeing the growth that enabled the first inner-city public high school in the nation to give merit-based Varsity Letters for boy's rugby (DM East) and establishment of the first public high school whose School Board voted to make rugby a Varsity sport (SE Warren),
- Facilitating the creation of the nation's first school-based girl's rugby league in Fall 2012 that became profitable in 2014, and
- Overseeing organizational and sustainability strategies for the organization.

Des Moines, IA

Director

Responsible for building an Editorial Board and managing the operation of the Modern Dickens Project, a contest for undiscovered authors to write each chapter of a serial novel.

- Established the corporate structure and operational procedures required for facilitating creation of the Modern Dickens Project novel.
- Managed the publishing process for <u>The Devil is Done Sinning</u>, the 2011 Edition of the Modern Dickens Project.
- Brought the Modern Dickens Project to Simpson College where it has since published <u>Defining Darrell</u> and <u>Woman</u>, <u>Regardless</u>, and spun off other related ventures like the Little Dickens Project.

2013 – 2016 Incubator in a Box Des Moines, IA

Director

Responsible for creation and implementation of the Incubator in a Box venture accelerator platform. Incubator in a Box is the operational and technological backbone behind EMERGE, a public-private partnership between the Indianola Development Association, Simpson College, and the Indianola Municipal Utility which focuses on building multi-disciplined teams that will be capable of taking a technology through the commercialization process. My role included:

- Integrating academic programming with Incubator in a Box ventures to create unique experiential learning opportunities,
- Attracting or developing and overseeing over 57 ventures engaging over 500 students and community members in less than
 three years,
- Secured more than \$2.5MM of investment for Incubator in a Box ventures and activities,
- Securing professional service relationships with external companies and Simpson College that produce both project-based and retainer revenue, and
- Overseeing negotiations associated with the first Incubator in a Box venture sale in Spring 2015.

2015 – 2016 Iowa Innovation Corporation

Des Moines, IA

Board Member (Ex-Officio)

Responsible for representing the interests of Iowa private colleges and universities. The Iowa Innovation Corporation is the for-profit partner of the Iowa Economic Development Authority. This public-private partnership is designed to maximize the value of state programs by providing private sector support for organizations seeking and employing state funding. The nonprofit Iowa Innovation Corporation fosters research and development, supports the commercialization of ideas, and establishes funding to help Iowa companies grow and innovate.

Member of the Business Development Committee.

2014 – 2016 Snitch'n Indianola, IA

Advisor

Responsible for identifying and delivering strategic teaming and partnership opportunities to advance from the single Snitch'n product to a scalable, sustainable startup business. Snitch'n is a novel app-based predictive policing tool that significantly reduces the cost of policing high crime density areas of a city or state.

- Designed app-based solution based on customer definition of the problem.
- Led Alpha development and exploratory meetings that led to adoption by the Fifth Judicial District.
- Responsible for developing and managing a business operations and growth strategy.
- Negotiated channel relationship worth over \$1,500,000 in early stage investment.

2011 – 2012 Des Moines Social Club

Des Moines, IA

President, Board of Directors

Responsible for creating the operational structures and assembling the development team that allows the Des Moines Social Club to successfully rehabilitate and repurpose the Des Moines Fire Station into a multipurpose arts venue.

- Oversaw organizational overhaul that resulted in the Des Moines Social Club ending FY2012 with a surplus for the first time in the organization's history.
- Led creation of building development team whose quality enabled a successful \$3.6M capital campaign.
- Oversaw City and partner negotiations that led to redevelopment of the Des Moines Fire Station.

Director

Founding partner of one of the most widely recognized and trusted brokerages for midsized producers of biodiesel feedstock.

- Developed the initial corporate principles, objectives, and growth strategies which drove the organization to specialize in midsized biodiesel-related markets.
- Targeted and secured strategic alliances within the industry through joint marketing agreements which led to significant year-on-year growth within the waste vegetable oil industry.
- Managed the company's acquisition in December 2008.

2004 – 2006 Glasgow University Engineering Society

Glasgow, Scotland

President

Responsible for reviving and leading the University's oldest Society as it developed and strengthened relationships between the engineering industry and the University's Engineering Faculty members.

- Responsible for introducing, coordinating, and managing the Glasgow University Engineering Society Dinner with Industry, an opportunity for students and industrialists to accumulate and disseminate information about professional opportunities within the engineering industry.
- Responsible for developing an active alumni-network through the Engineering Society that facilitated greater communication between current students, alumni, and the Faculty. The platform developed within the Engineering Society was adopted by the Engineering Faculty.
- Developed course plans and market analyses for business-focused taught MSc courses in engineering which were designed to
 develop into a joint MSc/MBA program. At the time of departure, the plans had been reviewed by the Dean of the
 Engineering Faculty for presentation to the University Council.

Technical Experience

2010 – 2011 Terrus Real Estate Group

Des Moines, IA

Vice President, Sustainable Operations

Responsible for identifying, targeting, and implementing facility operations strategies designed to reduce energy costs and highlight efficiency improvements through mechanisms such as Energy Star and LEED.

- Managed the application through Certification for the first LEED Existing Building certification in the State of Iowa for Meredith Corporation
- Developed a statistically valid analysis demonstrating the value premium of LEED certification in competitive real estate markets.

2006 – 2010 ACTA Inc. Houston, TX

Principal Engineer

Responsible for analyzing the effects of natural and man-made phenomenon relevant to the aerospace and petrochemical industries as they pertain to public health and safety.

- Team Lead developing the Bivariate Learning Rate approach for predicting the probability of failure for a developing system without using the assumption of Bernoulli trials.
- Team Lead developing the ACTA Probabilistic Aircraft Vulnerability Model as a technique for assessing the vulnerability of commercial and business aircraft to debris generated from launch vehicle operations.
- Team Member developing methods for assessing trajectory uncertainty for piloted reusable launch vehicles.
- Team Member assessing the reentry risk posed by the ESA Jules Verne Automated Transfer Vehicle (ATV) spacecraft.

Aerospace Engineer/Safety Inspector

Responsible for protecting the public from the inherently hazardous operations associated with commercial space transportation operations while promoting industry development and growth through the use of Federal regulations.

- Aerospace Engineer in the Licensing and Safety Division, Office of the Associate Administrator for Commercial Space Transportation (AST-200).
- Team leader for compliance monitoring at the Kodiak Launch Complex for the November 2001 Missile Defense Agency (MDA) launch from Kodiak, AK, lending guidance and support to Miltee Corporation contractors during the ensuing mishap investigation.
- Team member supporting the FAA/USAF missile standardization effort though the Common Standards Working Group subgroups for Flight Safety Analysis, Debris Analysis, Vehicle Failure Analysis, Training and Qualification standards, Suborbital Missile Analysis, Ground Safety, and Flight Termination System requirements.

2000 Ford Motor Company/Visteon Corporation

Plymouth, MI

Advanced Technology Design Engineer Co-op

Responsible for conceiving, developing and preparing advanced technology concepts for sale to worldwide automobile manufacturers.

- Project Co-Lead developing an on-board vehicle diagnostic system. The system required a rapid, accurate dissemination of time-sensitive information to a wide range of users. The concept development required an economic analysis, extensive fault tree analysis work, and interfacing with corporate marketing. Filed a patent request.
- Lead researcher on automotive applications for Ranque-Hilsche vortex tubes. Filed a patent request.
- Project Co-Lead developing a compressor oil migration diagnostic system. Filed a patent request.

Education

2003 – 2006 University of Glasgow

Glasgow, Scotland

Ph.D. Mechanical Engineering

Member of the University of Glasgow Space Systems Group responsible for developing and implementing risk-based, economic feasibility assessment methodologies and strategies using stochastic modeling techniques to evaluate the reliability, maintainability, and utility of on-orbit space-launch systems like the Motorized Momentum Exchange Tether (MMET) design concept.

- Research Lead developing a model MMET survivability within the orbital environment.
- Research Lead investigating the resulting debris composition and dispersion of glass impactors following hypervelocity impacts onto Twaron rope.
- Team Member of the AIAA Tether Technical Committee investigating system safety of tether-based on-orbit systems.
- Instructor in labs and tutorials on topics such as Mathematics, Dynamics, Materials, Thermodynamics, and Aerodynamics for students in their first, second, and third years of undergraduate study.

1997 – 2001 University of California at Berkeley

Berkeley, CA

B.S. Mechanical Engineering

Member and Varsity Letterman since 1998 on 4 Division 1 National Championship teams, starting at Hooker in 2000 and 2001.

Professional Affiliations

Certified Mediator (IADR), Licensed Professional Engineer (P.E.) State of Iowa

Publications

Wing, L, Draper, C., Cooper, S., and Rainey, D., Governing Artificial Intelligence, De Gruyter Brill, anticipated July 2025

Draper, C.H., Safe AI Basics, The Press, 2025

Draper, C. and Sun, S., "RACs: Truth as a Shared Resource within the ESG Knowledge Commons," chapter within *The Environmental Knowledge Commons: Cases and Lessons for Knowledge Sharing*, Cambridge University Press, anticipated 2025

Gillibrand, Nicky and Draper, Chris, "The European Union Artificial Intelligence Act and Beyond: Strategies for Further Artificial Intelligence Regulation in Europe," UACES 2024 Conference, Trento, Italy, 1-4 September 2024

Draper, C.H., "Hu Analysis of MyLand Rebuilding Sustainable Soil," Hu Valuation Summit, Des Moines, Iowa, June 10-12, 2024

Gillibrand, Nicky and Draper, Chris, Per "Hu": A unifying constant for calculating complex environmental, social, and governance impacts (November 25, 2023). Available at SSRN: https://ssrn.com/abstract=4643983 or http://dx.doi.org/10.2139/ssrn.4643983

Gillibrand, N. and Draper, C.H., "Informational Sovereignty: A New Framework for AI Regulation," *International Journal on Online Dispute Resolution* 2023 (10) 1, 2023

Draper, C.H., and Gillibrand, N., "The Potential for Jurisdictional Challenges to AI or LLM Training Datasets," Workshop on Artificial Intelligence for Access to Justice (AI4AJ 2023), June 19, 2023, Braga, Portugal

Raymond, A., Coates, D., and Draper, C. Artificial Intelligence Governance and Policy: A Practical Guide to Identifying, Understanding, and Mitigating Legal Risks Associated with AI Integration. In Leading Legal Disruption: Artificial Intelligence and a Toolkit for Lawyers and the Law. Thomson Reuters Canada, 2021

Draper, C.H., Chapter 7: Online Dispute Resolution Data Security, in Rainey, D., Abdel Wahab, M., Katsh, E. (eds.). ODR: Theory and Practice, Second Edition, Eleven International, 2021

Draper, C.H. and Raymond, A.H., "Ethical Technology Risk: How to identify what is reasonable data protection for ODR," 12 Int'l J. Dispute Res., 2019

Draper, C.H., "The Pull of Unbiased AI Mediators," International Journal of Online Dispute Resolution, Issue 1, 2019

Raymond, A.H., Draper, C.H., and Schubauer, J., "Artificial Intelligence Governance and Policy: A Practical Guide to Identifying, Understanding, and Mitigating Legal Risks Associated With AI Integration" [Book Title and Publication Date TBC]

Draper, C.H. and Raymond, A.H., "Building a risk model for data incidents: A guide to assist businesses in making ethical data decisions," Business Horizons, 2019, 2018

Draper, C.H., Velocity Economics: The Real American Economy, The Press, 2018

Draper, C.H., "Ethical ODR Technology Selection Using the Catastrophe Value Curve," Meidh Working Paper 2018-140417-091, September 2018

Draper, C.H., Commoditized: Reconfiguring the Labor Movement, The Press, 2017

Porterfiled, E., Cao, L., Draper, C., "Research on Improving Failure Probability Estimation Models and Development of the USSE Model," ACTA Report No. 12-807/13.2-01, October 2016

Draper, C.H., Rediscovering our Future: The Modern Liberal Arts Education Manifesto, The Press, 2015

Draper, C.H., and Santos, A., "Class X Airspace: A Method for Safely Bounding and Integrating Unconventional Launch and Flight Profiles into the National Air Space," Simpson Working Paper 2015-16240100-001, 9 February 2015

Draper, C.H., "Comments on Docket item FAA-2014-0418: Changing the Collective Risk Limits for Launches and Reentries and Clarifying the Risk Limit Used to Establish Hazard Areas for Ships and Aircraft," Simpson Working Paper No. 2014-16240100-002, 20 October 2014

Christen, M., Santos, A., Berger, H., Henry, M., and Draper, C.H., "Independent Review of TSX Effectiveness: Analysis of FMCSA Passenger Carrier Crash, Injury, and Fatality Data from 2012 and 2014," Simpson Working Paper No. 2014-16240100-001, 26 September 2014

Draper, C.H., Haber, J., See, A., "P-3 Aircraft Vulnerability Model," ACTA Report No. 13-828/01, 10 January 2013

Draper, C.H., Collins, J. (ed.), "Probability of Failure Allocation Study (Revised November 2010)," ACTA Report No. 10-605/23.2, 28 November 2010

Draper, C.H., "Dragon C1 Demonstration Reentry Risk Analysis," ACTA Report No. 10-605/7.2, June 2010

Draper, C.H., "Probability of Failure Estimation for New Vehicles Using the Bivariate Approach to Learning," 48th AIAA Aerospace Sciences Meeting Including the New Horizons Forum and Aerospace Exposition, 4-7 January 2010

Wilde, P.D., and Draper, C.H., "Aircraft Protection Standards and Implementation Guidelines for Range Safety," 48th AIAA Aerospace Sciences Meeting Including the New Horizons Forum and Aerospace Exposition, 4-7 January 2010

Draper, C.H., and Wilde, P.D., "Development of a survivability model for business jets operating in the broad ocean areas of the Atlantic and Pacific," ACTA Report No. 09-605/6.5, 2 February 2009

Wilde, P.D., Nyman, R., Draper, C.H., and Bavandi, A., "Independent study of risks from the re-entry of the Automated Transfer Vehicle," Third IAASS Conference, Rome, Italy, 21-23 October 2008

Wilde, P.D., Collins, J., and Draper, C.H., "Probability of failure analysis: Current approaches and future developments," ACTA Report No. 08-656/2.4, 30 September 2008

Draper, C.H., and Wilde, P.D., "Development of a business jet class survivability model for broad ocean areas," 26th AIAA Applied Aerodynamics Conference, Honolulu, Hawaii, 18-21 August 2008

Larson, E., and Draper, C.H., "Guide to estimating dispersion for piloted reusable launch vehicles," ACTA Report No. 08-605/3.1-02, 20 June 2008

Draper, C.H., and Wilde, P., "Caribbean over-flight risk assessment," ACTA Report No. 08-662/01, 17 March 2008

Ailor, W., Fruth, G., Holbrook, R., Wilde, P. and Draper, C.H., "Potential for protection of aircraft from the hazards of reentering space objects," Aerospace Report DTRT57-05-D-30103/9, 31 October 2007

Draper, C.H., and Wilde, P., "Vulnerability of general aviation to debris from launch vehicles: business jets," ACTA Report No. 07-611/2.3-1, 30 September 2007

Wilde, P., Draper, C.H., Larson, E., Kinna, M., and Maness, A., "Launch site safety assessment for Wallops Flight Facility," ACTA Report No. 07-605/2, 30 September 2007

Wilde, P., Draper, C.H., Larson, E., Kinna, M., and Maness, A., "Launch site safety assessment for Reagan Test Site," ACTA Report No. 07-605/1, 30 September 2007

Wilde, P., Draper, C.H., Lotatti, I, Larson, E., and Hasselman, T., "Vulnerability of commercial transport aircraft to debris from launch vehicles," ACTA Report No. 06-527/11.3, 30 September 2007

Draper, C.H., "The economic health of the commercial space launch industry and its effect on the implementation of international safety standards," Second International Association for the Advancement of Space Safety Conference, Chicago, USA, 14-16 May 2007

Draper, C.H., "Feasibility of the motorized momentum exchange tether system: An investigation of system risk compared against conventional launch vehicle alternatives, accounting for vehicle and tether span failures," PhD Thesis, University of Glasgow, 15 September 2007

Draper, C.H., and Green, G., "Aiding a conventional reliability analysis with a multidimensional distance-value assessment," 4th International Conference on Advanced Engineering Design, Glasgow, Scotland, 5-8 September 2004

Draper, C.H., and Cartmell, M.P., "Assessing the motorized momentum exchange tether's operational lifetime: the multidimensional casualty area concept," AIAA Joint Propulsion Conference, Ft. Lauderdale, FL, July 11-14, 2004

Draper, C.H., McKenzie, D., and Cartmell, M.P., "Increasing launch site capability using a motorized momentum exchange tether," AIAA Joint Propulsion Conference, Ft. Lauderdale, FL, July 11-14, 2004

Draper, C.H., and Cartmell, M.P., "Multi-dimensional distance-value theory: introduction and discussion of applications for quantitative failure analysis using non-binary variables", Internal Research Report, Dynamics Group, Department of Mechanical Engineering, University of Glasgow, 2004

Cheng, V.H.L., Menon, P.K., Sridhar, B., and Draper, C.H., "Computer Simulation and Analysis Tool for Air and Space Traffic Interaction Research," Proceedings of the 21st IEEE/AIAA Digital Avionics Systems Conference, Irvine, CA, October 29-31, 2002