

# Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

## Current Position

Associate Professor and Chair: Department of Industrial Engineering and Engineering Management, College of Engineering, Western New England (WNE) University, Springfield, Massachusetts

Co-Founder/Director – Innovation CZ, San Francisco, CA, USA.

Director – Center for Global Health Engineering, WNE University, Springfield, MA.

Program Coordinator – WNE Grand Challenges Scholar Program

Program Coordinator – Western New England FIRST Robotics Initiative

Program Advisor (FPA) – WNE Fulbright Program

## Past and current courses:

IE 312 – Engineering Economy

IE 212 – Probability and Statistics

IE 422 – Occupational Safety and Health

IE 428 – Facility Planning

IE 439 – Project Management

IE / EMGT 620 - Multi-Criteria Decision Analysis

IE / EMGT 602 – Risk and Emergency Management

EMGT 704 – Quantitative Method for Risk Analysis

IE/EMGT 691 – Occupational Safety and Health Program Management

IE EMGT 690 – Epidemiologic Methods for the Organizational Risk Manager

## Current Dissertation Research Advising:

Advisor – “A Psychosocial category based risk assessment method for anticipating patient outcomes”, Ken Riley. Proposal development stage

Advisor – “A Modified Delphi Process for Development of Supply Chain Risk Assessment Tool of Small and Mid-Sized Industry”, Ahmed AlHishani. Proposal development stage

## Completed Dissertation Research Advising

Advisor – “Risk based Project Management Methodology”, Dr. David Greenslade, defended 2018.

Advisor – “Method to Infer Quality of Medications Using LED-Based Spectrophotometer”, Dr. Aliea Afnan, defended 2016.

## Education

May '10 Doctor of Science, Engineering Management, Institute for Crisis Disaster and Risk Management, George Washington University. Dissertation: *Third-Party Risk in Proximity of Non-Towered Airports*.

Advisor - Dr. John Harrahd, PhD, Co-Advisor Dr. Vahid Motevalli

May '06 Graduate Certificate in Aviation Safety and Security, George Washington University

Dec '02 Master of Science, Engineering Management, George Washington University

Dec '99 Bachelor of Science, Civil Engineering, University of Alaska Fairbanks, Fairbanks, AK

## Boards, Committees and Research Appointments

*Co-Founder, Innovation CZ.* A 501(3)c with the mission to lower barrier healthcare in low and middle income countries through offering local healthcare providers with access to education, processes and technologies that are economically sustainable and pragmatically implementable. (2016 - current)

## Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

*Committee Member* – AV090 Standing Committee for Airport Security and Emergency Management – Transportation Research Board of the National Research Council. (2013-current)

*Committee Chair* – AVO90(1) Subcommittee for Aviation Safety – Transportation Research Board of the National Research Council. (2016-current)

*Adjunct Fellow* – Institute for Healthcare Delivery and Population Science, Baystate Health, Springfield MA. (2019 – current)

*Visiting Research Scholar*: Institute for Crisis, Disaster and Risk Management, George Washington University (2010-2012)

*Fellow*: Graduate Fellowship in Public Sector Aviation Issues, Transportation Research Board of the National Academies (2009-2010)

*Fellow*: Selective Excellence in Transportation Safety, George Washington University (2005-2008)

*Research Associate*: Institute for Crisis, Disaster and Risk Management, George Washington University (2006-2009)

*Research Associate*: Aviation Institute, George Washington University (2002-2006)

*Research Assistant*: Civil Engineering Department, University of Alaska Fairbanks (1998-2000)

### **Patents**

SYSTEM AND METHOD OF INFERRING THE QUALITY LEVEL OF MEDICINES: International Patent Application No. PCT/US2018/013969

### **Publications: Peer-Reviewed Journal and Conference Proceedings**

M. Salmon, **C. Salmon**, M. Masoda, J. M. Salumu, C. Bozzi, P. Nieburg, L. Harrison, D. Humphries, N. Uvon, S. Wendel, C. Trout, M. Cappello. "Albendazole Treatment Improves Work Capacity in Women Smallholder Farmers Infected with Hookworm: A Double-Blind Randomized Control Trial", *Am. J. Trop. Med. Hyg.*, 98(5), 2018, pp. 1419–1426 doi:10.4269/ajtmh.17-0403

A Aziz, P Dar,a, F Hughes, C Solorzano, MM Muller, **C Salmon**, M Salmon, N Benfield, "Cassava flour slurry as a low-cost alternative to commercially available gel for obstetrical ultrasound: a blinded non-inferiority trial comparison of image quality", *International Journal of Obstetrics and Gynecology*, Vol. 125, Iss. 9. DOI: 10.1111/1471-0528.15123

Zewdie, A., Debebe, F., Aklilu, A., Salmon, M., **Salmon, C.**, "A survey of emergency medicine and orthopaedic physicians' knowledge, attitude, and practice towards the use of peripheral nerve blocks" *African Journal of Emergency Medicine*, 7 (2017) 79–83

Salmon, M., Landes, M., Hunchak, C., Paluku, P., Lalisyia, L., **Salmon, C.**, Muller, M., Wachira, B., Mangan, J., Chaganlal, K., Kalanzi, J., Zazh, A., Berman, S., Sied, E., Lamprecht, H., "Getting it Right the First Time: Defining Regionally Relevant Training Curricula and Provider Core Competencies for Point-of-Care Ultrasound Education on the African Continent". *Annals of Emergency Medicine*, V 69, No. 2: February 2017.

Greenslade, D., **Salmon, C.**, A Risk-based Critical Chain Project Buffer Sizing Methodology, *Proceedings of the 2017 Industrial and Systems Engineering Conference (May, 2017)* (conference proceedings)

Salmon M., **Salmon, C.**, Masoda, M., Salumu, M., Bozzi, M., Nieburg, P., Harrison, L., Humphries, D., Uvon, N., Wendel, S., Trout, C., Cappello, M., "Mass distribution of albendazole in Sub-Saharan Africa:

## Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

Can this improve the lives of women small holder farmers?" The Lancet Global Health, Volume 4 Special Issue S1-S36 DOI: [https://doi.org/10.1016/S2214-109X\(16\)30037-7](https://doi.org/10.1016/S2214-109X(16)30037-7)

Salmon M, **Salmon C**, Bissinger A, Muller MM, Gebreyesus A, Geremew H, et al. (2015) *Alternative Ultrasound Gel for a Sustainable Ultrasound Program: Application of Human Centered Design*. PLoS ONE 10(8): e0134332. doi:10.1371/journal.pone.0134332

Muller, M., Salmon, M., **Salmon, C.**, Malemo, L., Wendel, S., Ruhangaza, C., Milinganyo, D., Benfield, N., Reynolds, T., *Utilization of Focused Assessment with Sonography for Trauma (FAST) in a referral hospital in an acute conflict zone*. Afr J Emerg Med (2015), DOI 10.1016/j.afjem.2014.09.003

**Salmon, C.**, Afnan, A., M. Salmon, R. Priefer, M. Rust, "Detecting substandard pharmaceuticals through spectral finger-printing". Annals of Global Health Poster Abstracts from the 6<sup>th</sup> Annual CUGH Conference, Mobilizing Research for Global Health, Vol. 81, Num. 1. Jan-Feb 2015

Malemo KL M. Salmon, **C. Salmon**, M. Mutendi, T. Reynolds, "Ultrasound guide regional anesthesia a multicenter feasibility trail for use in low resource settings." Canjsurg.ca.Vol.57(3 suppl 1) June 2014. DOI: 10.1503/cjs.015713. (abstract)

Laura Keyser, L., McKinney, J., **Salmon, C.**, Furaha, C., Kinsindja, R., Benfield, N., "Analysis of a pilot program to implement physical therapy for women with gynecologic fistula in the Democratic Republic of Congo". International Journal of Gynecology Obstetrics, June 26, 2014

Salmon M., **Salmon C.**, Benfield B. Lusi J., Masumba D., Bitwe R., Masoda M., Ruel T., Vanrooyen M. "An ACCESS Guide for ICT Training on Information and Research Tools in Low Resource Settings". (2013), The International Journal of Technology, Knowledge and Society, Volume 9, ISSN 1832-3669.

**Salmon C. M.**, Harrald J., van Dorp J.R., Motevalli V. (2010), "Exposure at the Airport Community Interface - Quantifying Metrics of Exposure in the Vicinity of Public-Use, Non-Towered Airports", Journal of the Transportation Research Board , No. 21 84, Transportation Research Board of the National Academies, Washington, D.C.,2010, pp.31-40. DOT. 10.3141/2184.D4

**Salmon C. M.**, Motevalli V. (2008), "Aviation Safety Priorities in Emerging Air Transport Systems", Journal of Aircraft, Vol. 45, No. 4, pp.1174-1181.

### **Conference Presentations and Posters**

**Salmon, C.**, "Airport Emergency Management: 31C from Policy to Practice", Transportation Research Board 2018, January 9-12, 2018. Washington, DC., (Panel session organizer and chair)

**Salmon, C.**, "Airport Mediated Disease", Transportation Research Board 2016, Washington DC, January 8-12, 2016 (Panel session organizer and chair)

**Salmon, C.**, "Airport Safety", Transportation Research Board 2016, Washington DC, January 8-12, 2016. (Oral presentation)

**Salmon, C.**, "Root Causal Factors in Part 91 Airport Crash Accidents at non-Towered Airports", AIRCON, January 12-15, 2016, Phoenix, AZ, (oral presentation)

**Salmon, C.**, St. Jean, L., Sattari, M., "A transportable, validated and culturally sensitive metric of work capacity for use in subsistence agricultural workforce health assessment in Democratic Republic of Congo", Annual CUGH Global Health Conference, April 9-11, 2016, San Francisco, CA. (poster session)

## Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

Rust, M., Spencer, S., Striglio, N., **Salmon, C.**, Afnan, A., "A System to Identify Substandard Pharmaceuticals in a Low-Resource Healthcare", ASEE-NE 2016 Conference, April 28-30, Kingston, RI, (poster session)

Margaret, **M., Salmon, C.**, Masoda, M., Salumu, M., Bozzi, M., Nieburg, P., Harrison, L., Humphries, D., Uvon, N., Wendel, S., Trout, C., Cappello, M., "Mass distribution of albendazole in Sub-Saharan Africa: Can this improve the lives of women small holder farmers?" Annual CUGH Global Health Conference, April 9-11, 2016, San Francisco, CA. (oral presentation)

**Salmon, C.**, Mohammadsadegh, M., Roshani, A., "TOPSIS as a method for population axes of a risk matrix: applied to commercial fishery safety," IIE Annual Conference & Expo, Nashville, TN, May 30 – June 2, 2015 (paper presentation and conference proceedings)

Mohammadsedegn, M., **Salmon, C.**, "An Integrated AHP-GIS-MCLP Method to Locate Bank Branches" IIE Annual Conference & Expo, Nashville, TN, May 30 – June 2, 2015 (paper presentation and conference proceedings)

Mohammadsedegn, M., **Salmon, C.**, "An integrated Gray-Fuzzy cause and effect approach to determine the most significant categories of project risks" IIE Annual Conference & Expo, Nashville, TN, May 30 – June 2, 2015 (paper presentation and conference proceedings)

**Salmon, C.**, Salmon, M., Afnan, A., Luc, M., "A Point-of-Care Method for Detecting Substandard and False Pharmaceuticals", CUGH Global Health Conference, "Mobilizing Research for Global Health", Boston, MA, March 26 - 28, 2015. (poster session and published abstract)

**Salmon, C.** Afnan, N., "A Crash Consequence Model of Third Part Risk Near Non-Towered Airports", A<sup>3</sup>ir Conference, Embry Riddle University, Phoenix, AZ, January 15-17, 2015 (paper presentation and conference proceedings)

**Salmon, C.**, Motevalli, V., "Modeling Hazard and Threat Risks to Populations Surrounding Public-Use, Non-Towered Airports Due to General Aviation Operations", Proceedings of the ASME 2012 International Mechanical Engineering Congress & Exposition IMECE2013-65122, November 15-21, 2013, San Diego, California, USA 10.1115/IMECE2013-65122

**Salmon C.**, Motevalli V. "An Interesting Empirical Copula for Modeling Spatially Distributed Crash Site Locations in Vicinity of Public-Use, Non-Towered Airports". 55<sup>th</sup> Annual Transportation Research Forum. March 21-23, 2014 (paper presentation and conference proceedings)

**Salmon, C.**, Salmon, M., Muller, M., Martin, S., "The Production and Testing of Low Cost Ultrasound Gel Alternatives Using Raw-Form Starch-like Carbohydrates in Low Resource Healthcare Settings". Opportunities and Innovation in Emergency Medicine Conference, Cape Town, South Africa, November 5-7, 2013 (oral presentation)"

Emiru, H., **Salmon, C.**, Salmon, M.L., Reynolds, T., Muller, M., Aklilu, A., "Cost and Effectiveness of Ultrasound Guided Regional Nerve Blocks for Emergency Department Pain Management in Resource Poor Healthcare Settings". Opportunities and Innovation in Emergency Medicine Conference, Cape Town, South Africa, November 5-7, 2013 (poster session)

Salmon, M., Benfield N., Lusi J., **Salmon C.**, Masumba N., Bitwe D., Masoda M., Ruel R., Vanrooyen M. "A Model Guide for Training Physicians in E-Health and Research Tools in Low Resource Settings". 9<sup>th</sup> International Conference on Technology, Knowledge and Society Conference. January 13-14, 2013. Vancouver, Canada (oral presentation)

## Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

**Salmon C.**, Motevalli V. "Characteristics of General Aviation Accident Data, with Implications for Modeling Third-Party Risk in Vicinity of Public-Use, Non-Towered Airports". 54<sup>th</sup> Annual Transportation Research Forum. March 21-23, 2013 ((paper presentation and conference proceedings)

**Salmon, C.**, Vyolo, V., Salmon, M.L., Amman, A. "Introducing Computer-based Information Management Practices at a Pediatric HIV Clinic in Eastern Democratic Republic of Congo". XIX International AIDS Conference July 22-27, 2012. Washington D.C. (poster session)

Salmon, M.L., Reynolds R., Malemo L., Muller M., **Salmon C.** "Feasibility of ultrasound guided regional nerve blocks for pain management in low-resource settings". American College of Emergency Medicine – Scientific Assembly, 2012. (oral presentation)

**Salmon, C.**, Harrald J., van Dorp J.R., Motevalli V. "Exposure at the Airport/Community Interface Quantifying Metrics of Exposure in the Vicinity of Public-Use, Non-Towered Airports". Transportation Research Board 89<sup>th</sup> Annual Meeting. January 10-14 2010, Washington D.C. ((paper presentation and conference proceedings))

**Salmon C.**, Lagos A. "Community Risk in Emerging Aviation Markets", Risk Management in 21st Century Aviation Canadian Aviation Safety Seminar April 17-21 2005, Vancouver Canada. (oral presentation)

Motevalli V., **Salmon C.** "Developing Greater Flexibility and Resolution in Aviation Accident Analyses". Intelligent Transportation Systems Safety and Security Conference. March 24-25, 2004, Miami Beach Florida. (oral presentation)

### **Book Reviews**

"Review of: The Law of Emergencies: Public Health and Disaster Management" Journal of Homeland Security and Emergency Management, Volume 7, Issue 1 2010 Article 18

"Review of: America and the World in the Age of Terrorism" Journal of Homeland Security and Emergency Management, Volume 4, Issue 2 2007 Article 12

"Review of: Crisis Management: Mastering the Skills to Prevent Disaster" Journal of Homeland Security and Emergency Management, Volume 4, Issue 1 2007 Article 9

"Review of: Emergency Response to Domestic Terrorism: How Bureaucracies Reacted to the 1995 Oklahoma City Bombing" Journal of Homeland Security and Emergency Management Manuscript 1787

"Review of: World of Risk: A New Approach to Global Strategy and Leadership" Journal of Homeland Security and Emergency Management Volume 2, Issue 1 2005 Article 10

"Review of: Terrorism and the International Business Environment" Journal of Homeland Security and Emergency Management, Volume 2, Issue 4 2005 Article 2

"Review of: Introduction to Natural and Man-Made Disasters and Their Effects on Buildings" Journal of Homeland Security and Emergency Management, Volume 1, Issue 3 2004 Article 308

### **Funded Research**

**Salmon, C.**, Principle Investigator, New York Center for Agricultural Health and Safety – Northeast Center. *A baseline environmental exposure assessment of commercial fishers onboard commercial fishing vessels.* September 1, 2019 – August 31<sup>st</sup>, 2020. Grant Allocation \$15,000

**Salmon, C.**, Principle Investigator, Massachusetts Technology Transfer Office Acorn Grant Program. *Prototype development of LED-based spectrophotometer for use in assessing quality of medications, with intended implementation in Low and Middle Income Countries,* April 1<sup>st</sup> 2017 to June 30<sup>th</sup> 2017, Grant Allocation: \$10,000



# Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

Salmon, M. & **Salmon, C.** Co-Principal Investigator: Bill & Melinda Gates Challenge Grant Round 11: *Labor Saving Strategies and Innovations for Women Smallholder Farmers*. Study location: Democratic Republic of Congo, Idjwi Island, November 1<sup>st</sup>, 2013, May 1<sup>st</sup>, 2015. Grant Allocation: \$100,000

**Salmon, C.**, Principle Investigator, New York Center for Agricultural Health and Safety – Northeast Center. *A qualitative/quantitative risk assessment of industrial refrigerant release into engine rooms and other confined spaces onboard commercial fishing vessels*, September 1, 2013 – August 31<sup>st</sup>, 2014. Grant Allocation \$15,000

## **Academic Awards**

George Washington University, Graduate Research Showcase R&D, Second Place (2008)  
Tau Beta Pi - National Engineering Honor Society (1998)  
Chi Epsilon - Civil Engineering Honor Society (1999)  
National Dean's List (2000)

## **Certification and Licenses (current or expired as noted)**

Risk Management Professional (RMP), Project Management Institute (PMI) (received 2019, current)  
Project Management Professional (PMP), Project Management Institute (PMI) (received 2017, current)  
Certified Professional Engineering Manager (PEM), American Society of Engineering Management (received 2016, current)  
Engineer-in-Training (EIT) (received 1999, current)  
PADI – Rescue Diver (received 2005, current)  
Emergency Medical Technician - BLS (received 2011, expired, 2014)  
Wilderness Emergency Medical Technician (received 2011, expired 2014)  
Medical Person In-Charge (MPIC) for ships at-sea (received 2011, expired 2016)  
United States Merchant Marines – 100-ton Masters License, coastal rating (received 1999, expired 2018))

## **Professional Experience**

August '12 – Current: Assistant Professor, *Department of Industrial Engineering and Engineering Management, College of Engineering, Western New England University*

Develop material and research projects for undergraduate and graduate courses, including coordination of senior year Project Management course work and proposal development for CAPSTONE projects, and for newly created doctoral degree program (2012). Responsibilities include developing areas of research that will further the program and university. Two areas of research are:

- 1) Lowering barriers to local healthcare providers in low resource healthcare settings offering care by developing new processes, redeveloping equipment and training of providers in data management. Recent projects include:
  - Needs assessment at Kindu General Hospital, Kindu, Maniema Province, Democratic Republic of Congo
  - Implementation of trauma patient data capture system for non-computerized environments at HEAL Africa Hospital, Goma, North Kivu Province, Democratic Republic of Congo
- 2) Sustainability of legacy infrastructure systems as a function of society and individual metrics of risk. Recent projects include:
  - 3<sup>rd</sup> party risk in vicinity of non-towered airport due to aircraft movement and expectation of crash occurrence outside confines of airport boundaries

## Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

- A qualitative/quantitative risk assessment of refrigerant release into engine-rooms and other confined spaces onboard commercial fishing vessels

### Jan '10 – August '12: **Global Strategies for HIV Prevention - Independent Consultant**

Develop a foundational database for the Children's AIDS Program Clinic (CAP Clinic) at HEAL Africa Hospital in City of Goma, Democratic Republic of Congo. Project included populating database with 600+ children currently served by the clinic. Previously data were captured and archived via loose-leaf paper and ledger, which severely limited program management and patient care options. The initial project segment involved three months (2010) at HEAL Africa for training clinic doctors and staff in all aspects of information management, including computer-based information management and basic research techniques to ensure local capabilities were adequate for continued project advancement. Nine months of consultation via electronic communications followed, with a return three-month in-country visit (January 2011) to advance previous work at CAP Clinic by improving the database and expand database to additional HIV clinics at HEAL (Prevention of Mother to Child Transfer of HIV Clinic). Virtual monitoring and consultation continued until January 2012 at which time a 4 month onsite presence commences. The two years of data collected in the CAP Clinic database were leveraged towards patient care and program management via a rudimentary charting system that offered Clinicians visually depicted data and critical patient metrics such as current ARV Regimen, CD4 count history. Repeated visits in 2012 and 2013 reinforced data collection and use for betterment of patient care, program management and public health of the at-risk population.

### Aug '02 - Dec '10: **Research Associate, George Washington University**

**Institute for Crisis Disaster and Risk Management:** Dissertation Research (2005-2010): Develop third-party (external airport) crash risk model spatially distributed around non-towered airports. Research initiated intensive screening process for large NTSB General Aviation accident database which contained data of poor and unknown quality. Process yielded a statistically significant body of validated crash data from which quantitative modeling process commenced. Validated crash site location data were fitted with bi-variate continuous probability distributions and sampled via Monte Carlo simulation to approximate relative crash risk distribution within a discrete systems model. Model output enables local civic planners to assess relative and absolute external crash risk exposure associated with airport or civic properties development for population in vicinity of non-towered airports. Research partially funded by the Transportation Research Board of the National Academies.

Develop model of commercial and non-commercial vessel traffic in Puget Sound, Straits of Juan de Fuca, Georgia Straits and San Juan Islands as part of Vessel Traffic Risk Assessment to populate a quantitative oil spill risk assessment for the Pacific Northwest. Project dictated need for facilitating relationships between diverse groups of tribal organizations, state commercial fishery interests, Washington State and Canadian commercial fisheries regulatory authorities and the US Coast Guard.

Journal of Homeland Security and Emergency Management - Book Reviewer: review books submitted to journal for review by publishers. Topics: risk communication, hazard and risk assessment, natural disaster management, and legal authority of government response during public emergencies.

**Aviation Institute:** GW Consortium - International Summit on Aviation Safety and Security (2002-2006): Assist the development and operation of three-year series of 15 five-day Summits intended to: 1) foster international cooperation among national aviation oversight authorities, and 2) instill recognition that safe and secure transportation systems are critical to national economic success. Participants included high-

## Christian M. Salmon, D.Sc, MSEM, CPEM, PMP, RMP

Associate Professor & Chair  
Department of Industrial Engineering and Engineering Management  
Director Center for Global Health Engineering  
Western New England University  
[Christian.salmon@wne.edu](mailto:Christian.salmon@wne.edu)  
+1 (202) 251-9503

level government delegations including Prime Ministers, Ministers of Transportation and Director Generals of Civil Aviation Authorizes. Summit program utilized domestic and overseas venues.

Aviation Safety and Security Graduate Certificate Program (2006): Develop and moderated two-day seminar on hazard identification and risk management in an aviation context. Mentored participants' final case study needed for certificate and university credit. Students included existing industry professionals seeking to enhance or develop specific knowledge skill-sets in aviation safety and security. Students included personnel from Transport Canada, commercial airline pilots, State Troopers and director of aviation safety at a commercial air carrier.

### Sep '05 - May '08: **Project Manager, Technomics, Inc., Washington, DC**

Develop and present course material for full-day training seminars specific to roles and responsibilities of Emergency Liaison Officers (ELO) under the Washington, D.C. District Response Plan (DRP). ELO's facilitate government's response mechanism by acting as liaison for respective agencies in the Emergency Operations Center (EOC) during a public emergency. Over 200 participants over the 3-year period of program. Contract extended to include participation in community outreach program for the DC-Serves agency (ESF-16). Program proactively sought community participation in crisis response by empowering individuals at the neighborhood level with information and training.

### June '83 - August '12: **Alaska Commercial Fisheries, Cordova, AK**

As Captain, general vessel responsibilities on vessels up to 130ft and 194 registered tons for commercial fisheries in Gulf of Alaska, Prince William Sound, Southeast, and Bering Sea. Core responsibilities include, vessel command and operation, machinery operation and maintenance (industrial refrigeration system and repair 100-ton systems; electrical generation system operations & maintenance and repair for 180kw 3-phase AC; hydraulic system maintenance and repair; welding capabilities); crew training and safety oversight, and emergency response preparedness and training. Participate in annual 3-day live exercise oil spill response drills with Alyeska Pipeline Company.