JOHN M. LACONTORA

CURRICULUM VITAE JUNE 24, 2012

CONTACT INFORMATION

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CURRENT POSITIONS

Associate Research Professor, Drexel University 2011

ADMINISTRATIVE APPOINTMENTS

FAA Technology Center Research Coordinator, C|OE Drexel University, 2011 Director, Personal Transportation Systems Laboratory 2011

EDUCATION

Ph.D. Information Systems, New Jersey Institute of Technology, 2005 M.S. Manufacturing Systems Engineering, New Jersey Institute of Technology, 1998 Masters Certificate, Project Management, Villanova University, 2009

B.S. Public Administration, Roger Williams University, 1996

Numerous Military Technical, Leadership and Management Courses

RECENT PROFESSIONAL EDUCATION

Innovation Leaders, Kellogg School of Management, Northwestern University, 2008 Value Innovation, Value Innovations Incorporated, 2008

Promoting Innovation: The Dynamics of Technology and Organizations, Massachusetts Institute of Technology, 2006

Options Thinking in Research and Development, University of Pennsylvania, 2006

TEACHING INTEREST

Industrial Engineering, Reliability Engineering, Engineering Management, Service Operations and Information Systems for Decision and Performance Support

PROFESSIONAL AND RESEARCH AREAS OF INTEREST

Advanced Vehicle Technologies, Personal Transportation Systems, Innovation Processes, Community Informatics (Virtual and Physical) and Health Monitoring of Complex Systems

PREVIOUS POSITIONS

Associate Teaching Professor, Drexel University, 2011

Senior Manager Innovation, Phantom Works, The Boeing Company, 2005-2011

Adjunct Professor Drexel University, 2006-2010

Adjunct Professor, Farleigh Dickinson University, 2003-2010

Senior Manager, Systems Engineering, Janus Research Group, 2004-2005

Adjunct Faculty, Technology Management, Roger Williams University, 2001-2003

Consultant, Distributive Learning Technologies, Booz, Allen & Hamilton Inc., 2002

Director, Lieutenant Colonel, Distributive Technologies Innovation Center, 1999-2002

Adjunct Faculty, Industrial Operations, Burlington County Community College, 1998-2001

Commander, Major, Regional Training and Education Center, 1993-1999

Director, Major, Combat Service Support Directorate, National Guard Training and Training Technology Battle Lab, 1993-1999 - Concurrent with command position above

AWARDS & HONORS

Ph.D. Fellow, New Jersey Institute of Technology

M.S. Fellow, National Guard Masters Degree Program – New Jersey Institute of Technology U.S. Army Meritorious Service Medal (2), for leadership and program management Several awards and commendations for innovation and leadership

CONSULTING EXPERIENCE

US Army - Future Combat Systems Program Rutgers University Richard Stockton College New Jersey Institute of Technology Norman Borlaug University Booz-Allen & Hamilton

COURSE EXPERIENCE AND DEVELOPMENT

GRADUATE COURSE TAUGHT

Principals of Information Systems

UNDERGRADUATE COURSES DEVELOPED AND TAUGHT

Engineering Management
Introduction to Computers
Introduction to Manufacturing
Knowledge Management
Management of Information Systems
Manufacturing Processes
Production Planning
Principals of Information Systems
Reliability Engineering

GRANTS & CONTRACTS

PRINCIPAL INVESTIGATOR

Industry/University Cooperative Research Center for Unmanned Aircraft Systems, site planning grant, National Science Foundation, 2012

Intelligent Maintenance Systems Collaborative Research, FAA R&D, 2012

Combat Team Aerial Sensor System, US Army, 2011-2012

Joint R&D project on the development of Performance Support Systems for a Technical Workforce with the U.S. Army Communications and Electronic Command and New Jersey Institute of Technology, 2000-2002

Investigation on virtual collaborative work tools for U.S. Army Reserve Component Soldiers, 1999-2000

TED Development, Tank Enhance Diagnostics System development and validation project, 1998-1999

Concept evaluation: Virtual, Live and Constructive Learning Environments for Maintenance Training and Performance Support. This was a joint effort U.S. Army Combined Arms Support Command and the Army National Guard Training and the Training Technology Battle Lab (T3BL), 1997-1998

CO-PRINCIPAL INVESTIGATOR

SmartDART (Diagnostics and Repair Tool), Science and Technology Demonstration, a joint effort with National Automotive Studies of Distributed, U.S. Army Tank, Automotive and Armament Command, General Motors, Hughes Training Inc., New Jersey Institute of Technology, Interactive Solutions Inc., and the Army National Guard T3BL, \$1,400,000. I was the Co-Principal Investigator and the chairperson of the consortium, 1997-1999

COLLABORATORS

H. Choset, F. Deek, R. Hubel, F. Keith, J. P. Kincaid, M. McCarthy, R. Manson, B. Marshall, S. Mathews, D. Mendonca, P. Oh, D. Sebastian, S. Tricamo, B. Waite, D. Weiss, R. Williams

MAJOR ACCOMPLISHMENTS

Developed the Ideas to Innovation Process that captures business ideas and mature them into business opportunities. (Patient pending)

Formed and currently chair a regional modeling and simulation consortium focused on proving resource to modeling and simulations professionals in the Mid-Atlantic Region

Organized and Chaired a Dual-Use Technology Partnership (Operation SmartForce Consortium) which fostered the development of several advance technology development programs and decision support tools. The Consortium was comprised of General Motors Service Technology Group, Hughes Training Group, New Jersey Institute of Technology, The Army National Guard Training and Training Technology Battle Lab, and Interactive Solutions Inc.

PUBLICATIONS

REFEREED JOURNAL ARTICLES AND REFEREED CONFERENCE PROCEEDING PAPERS

Lacontora, J. and Mendonca, D., Performance Support Systems in Learning Environments: An Application to Engine Diagnostics, International Journal of Innovation and Learning, 2010

Lacontora, J., Mendonca, D. and Deek, F., Learning and Performing in a Knowledge Based Society, International Conference on e-Learning, Conference Proceedings June 2006

Kraft, G., Lacontora, J. and Eichinger, M., "The Factory Floor Classroom: A Team Effort," Journal of Agricultural & Food Information, volume 4, issue 2, 2002

Kraft, G., Lacontora, J. and Eichinger, M., 'The Factory Floor Classroom: A Team Effort," to the international meeting of the ASAE (The Society of Engineering in Agricultural, Food and Biological Systems) Paper No. 007021, July 2000

Swart, W., Kaufman, R., Tricamo, S., and Lacontora, J., "Operation SMARTFORCE: An approach to Training the Workforce of Tomorrow," IEEE Conference on Man, Systems, and Cybernetics, Conference Proceedings December 1997

Krisak, R. W., Lacontora, J. M. and Marshall W., The 21st Century Technical Training Environment, ASEM National Conference Proceedings October 1997, 375-380

INVITED PAPERS

Lacontora, J. and Mendonca, D., "Communities of Practice as Learning and Performance Support Systems," IEEE-ITRE 2003

Article, Regional Training Site - Maintenance, Summer 1996, US Army Ordnance Magazine

Co-author Article, Regional Training Site – Maintenance, Fall 1996, US Army Ordnance Magazine

PAPERS IN THE WORKS

The Three Worlds of Live, Virtual and Constructive Environments: Training, Experimentation and Performance Support – International Conference on eLearning

Ideas to Innovation with Mathews, S. and Williams, R.

REPORTS

Lacontora, J. M. and Marshall, W., Evaluation of the Conduct of Individual Maintenance Training in the Live, Virtual, and Constructive Training Environments and Their Effectiveness in a Single Program of Instruction, Evaluation Report CEP 97-2002, U. S. Army Training and Doctrine Command, January 1998

Lacontora, J. M., State of the Art in Knowledge Management for a Technical Workforce, U.S. Army Tank Automotive and Armament Command, May 2003

MAJOR INVITED PRESENTATIONS

Ideas to Innovation, Industrial Research Institute Spring Meeting, April 2009

Ideas to Innovation: Idea Portfolio Management, Portfolio Management for New Products and Service Conference, February 2009

Ideas to Innovation, Boeing Technical Excellence Conference, July 2008

Learning and Performing in a Knowledge Based Society, Tilburg University, The Netherlands, Apr 2001

Operation SmartForce an Interactive Electronic Performance Support System for the 21st Century, Deputy Under Secretary of Defense for Readiness, Advanced Distributive Learning (ADL) Forum (Second Session) 1998

Presented a perspective on "The 21st Century Technical Training Environment," at the Defense Advance Research Project Agency (DARPA) Conference in Berkeley, CA. 1997

CURRENT AFFILIATIONS

Senior Community Member, SimSummit

Regional Spokesman, National Training and Simulations Association

Member, Board of Directors, Modeling and Simulation Professional Certification Program

Professional, University of Central Florida Institute for Simulations and Training

Professional, Office of the Sr. Vice President for Research, New Jersey Institute of Technology

Professional, US Army Ordnance Officer Association

PRIOR AFFILIATIONS

Member, Innovation and New Business Development Subcommittees, Industrial Research Institute

Chairman, Operation SmartForce Consortium, Applied Research Effort, General Motors

Corp, Raytheon Corp, Interactive Solutions Inc., and the Army National Guard

Member, Sub-Committee, Mid-Atlantic Consortium, Food Systems Education Initiative

Member, General Motors - Youth Education System, New Jersey Subcommittee

Member, Education/Workforce Committee, New Jersey Technology Council

Member, Reserve Component U.S. Army Ordnance Corps Advisory Board

Founder, West Atlantic County Youth League

CURRENT MEMBERSHIPS

Association for Computing Machinery – SIGSIM National Defense Industrial Association National Training and Simulations Association