CURRICULUM VITA

Name

John L. Morrison, Professor of Electrical Engineering

Degrees with Fields, Institutions, and Dates

Ph.D. Electrical Engineering, University of Idaho, 1992
M.S. Electrical Engineering, University of Conn., 1968
B.S. Electrical Engineering, University of Conn., 1967

Other Related Experience

Electrical Engineer 1973-2001
Idaho National Environmental and Engineering Laboratory

Consulting, Patents, etc.

1 "Method and Apparatus for In-Situ Characterization of Energy Storage and Energy

Energy Alliance, LLC, Idaho Falls, ID (US)

Morrison; United States Patent Pending to be filed Spring

National Laboratory.

4 "Method of Detecting System Function by Measuring Fre

John L. Morrison and William H. Morrison; United State

granted 1 July 2008 by Montana Tech

5 "Induction Heating Apparatus and Methods of Operation Indication of a Temperature of a Material to be Heated Th

Richardson, John Morrison, Grant Hawkes; U. S. Patent

2006.

6 "Differential Capacitance Probe for Process Control Invo Fluids"; by John Svoboda and John Morrison; United Sta October, 2002.

7 "Method for Non-Intrusively Identifying a Contained Ma Uncollided Nuclear Transmission Measurements"; by Jol Stephens, Blain S. Grover; United States Patent 6,320,19

8 "Method and Apparatus for Monitoring the Integrity of a Using Time Domain Reflectometry"; by John Morrison; 6,222,373; 24 April, 2001.

9 "Method and Apparatus for Measuring Butterfat and Prot Microwave Absorption Techniques" By Michael O. Frye L. Morrison; United States Patent 6,147,502; 14 Novemb

10 "Magnetic Latching Solenoid"; by Donna J. Marts, John G. Richardson, Richard K. Albano, John L. Morrison; United States Patent 5,470,043; 28 November 1995.

States in which registered

Montana

Principal Publications

1. "Designing Sample Data Systems to Meet Specified Aliasing Error Criteria" by Matt Egolff and J. L. Morrison; ISA 55th International Instrumentation Symposium, June 1-5, 2009, League City Texas; (Refereed).
2. "Fast Summation Transformation for Battery Impedance Identification" by J. L. Morrison, et al; IEEE Aerospace 2008 Conference, March 7-14, 2008, Big Sky Montana; (Refereed).
3. "Impedance Noise Identification for State-of-Health Prognostics" by Jon P. Christophersen, et al, 43rd Power Sources Conference, July 7-10, 2008, Philadelphia, PA.
4. "Implementation and Validation of Uncertainty Analysis of Available Energy and Available Power" by: Jon P. Christophersen, John L. Morrison, B. J. Schubert, and Shawn Allred; ISA 53rd IIS 2007, (Refereed)
5. "Uncertainty Evaluation of Available Energy and Power"; by Jon P. Christophersen and John L. Morrison; 52nd International Instrumentation Symposium, May, 2006, Cleveland, Ohio; (Refereed).
6. "Real Time Estimation of Battery Impedance"; by J. L. Morrison and W. H. Morrison; IEEE Aerospace 2006 Conference, March 5-11, 2006, Big Sky Montana; (Refereed).
7. "Development and Test of a Real Time Battery Impedance Estimation System"; by: R. G. Hoffmann, J. E. Slade and J. L. Morrison; IEEE Aerospace 2006 Conference, March 5-11, 2006, Big Sky Montana; (Refereed).
8. "Cold Crucible Induction Melter Model Parameter Estimation"; by: John Morrison and John Richardson; ISA 51st International Instrumentation Symposium. May 8-12, Knoxville, TN.; (Refereed).
9. "Cold Crucible Induction Melter Modeling and Simulation"; by: John Richardson, Grant Hawkes, Dirk Gombert and John Morrison; INEEL year end report Fall 03
10. "Lumped Parameter Modeling as a Predictive Tool for a Battery Status Monitor"; by J. P. Christophersen, C.G. Motloch, C.D. Ho, J.L. Morrison, R.C. Fenton, V.S. Battaglia, and T.Q. Duong; Proceedings from 2003 IEEE Vehicular Technology Conference October 2003.

Scientific and Professional Societies

Institute of Electrical and Electronic Engineers
The Instrumentation, Systems, and Automation Society