

Curriculum Vitae

Dr. Frederick D. Busche
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Education

University of New Mexico, Albuquerque, NM
Ph.D. in Geochemistry

University of Hawaii, Honolulu, HI
M.S. in Geology

University of Illinois, Champaign, IL
B. S. in Geology

Teaching Experience

Adjunct, Brookhaven Community College, Farmers Branch, TX June 2007 – June 2009
Geology, Physical Science

Department Chair, East Central Oklahoma University, Ada, OK September 1996 – June 1998
Assoc. Prof Geology, Geography, Cartography, Earth Science

Patents, Publications and Papers

Patents

Method and apparatus for executing multiple simulations on a supercomputer SVL920070033US1 July 23, 2007
Remote shopping system with integrated product specific advertising US20070203807 - Aug 30, 2007

System and method for preparing near-surface heavy oil for extraction using microbial degradation
US20070181300 - Aug 09, 2007

Method and system for sample data selection to test and train predictive algorithms of customer behavior
US7080052 - Jul 18, 2006

System and method for interpreting scan data US20060101072 - May 11, 2006

System and method for interpreting electrocardiograms US20060079795 - Apr 13, 2006

Enhanced concern indicator failure prediction system US6714893 - Mar 30, 2004

Method and system for integrating spatial analysis and data mining analysis to ascertain favorable positioning of products in a retail environment US20030055707 - Mar 20, 2003

Method and system for integrating spatial analysis, and scheduling to efficiently schedule and monitor infrastructure maintenance US6496814 - Dec 17, 2002

Method and system for predicting customer behavior based on data network geography US20020188507 - Dec 12, 2002

Method and system for integrating spatial analysis and data mining analysis to ascertain warranty issues associated with transportation products US6493723 - Dec 10, 2002

Method and system for sample data selection to test and train predictive algorithms of customer behavior US20020169652 - Nov 14, 2002

Method and system for integrating spatial analysis and data mining analysis to ascertain relationships between collected samples and geology with remotely sensed data US6430547 - Aug 06, 2002

Papers

Data Mining and Spatial Analysis for Life Sciences, June 2003
Guest Speaker at ESRI International Meeting, San Diego, CA

The SAS and IBM Partnership in E-Business Intelligence, July 2004
SAS user conference, Houston

Geographically Representative Sample Data Testing for Subsets of Large Data Sets Used in Customer Relationship Marketing Predictive Modeling, 2000
International Data Mining Conference, Toronto

Envisioning Information Through The Integration of Data Mining and Spatial Analysis
SAS User Conference, Montreal, 2000

Integrating Environmental Issues Into An Overall Modeling Methodology That Can Predict Mortality Of Patients,
International SHOCK Conference Munich 2005

The Data Mining Process and How it Combines with Spatial Analysis to Form a Solution
ESRI International Business Partner Conference, 2005

Data Mining and its use in Disease R&D,
1st International Shock Conference, 2003

Publications

SPINELS AND THE PETROGENESIS OF SOME APOLLO 12 IGNEOUS ROCKS, American Mineralogist 1972

Infrastructure Recommendations for an ESRI and IBM Geographic Information System, 2004

EZMART – Advanced Business Intelligence for Banking, 2004

Health information warehousing—an information-based approach to health benefits administration