J. DOUGLAS JETER, P.E.

Verity Technical Consultants, LLC
1266 Dobbins Drive, New Albany, OH 43054
614.440.1306 phone 614.245.1040 fax
Products, Materials, Workplace Safety

PROFESSIONAL EXPERIENCE

2011 to present — **Columbus State Community College** — Columbus, OH
Adjunct Faculty
Appointments in Physical Sciences and Mechanical Engineering Technology Departments.

2010 to present — **Verity Technical Consultants, LLC** — New Albany, OH
Principal
Providing technical investigations, analysis, reports, testimony and consulting toward the resolution of litigation and claims involving product liability, failures of materials (ceramics, metals, polymers, composites), and workplace safety (State and Federal OSHA incidents, Worker's Compensation claims, Ohio VSSR cases).

2009 to 2010 — **Robson Forensic, Inc**. — Columbus, OH
Associate
Provided investigations, reports, and testimony toward the resolution of litigation and claims involving product liability, failures of materials, and workplace safety.

2006 to 2009 — **SCI Engineered Materials, Inc.** — Columbus, OH
Marketing Manager
Provided primary research regarding sputtering target product niches in the semiconductor, photovoltaic, and magnetic media industries. Proposed new products based on this intelligence. Provided program management for developmental products from conceptualization through customer trials.

2006 — **Capital University** — Columbus, OH
Adjunct Faculty
Instructed MBA students in Statistics, Analytic and Quantitative Methods.

2005 — **Edison Welding Institute** — Columbus, OH
Team Manager / Technology Leader
Led ten scientists and technicians in the Microjoining, Plastics, and Ceramics group, which performed materials joining research for industrial, federal, and state clients. The group employed diverse techniques such as soldering, brazing, ultrasonic welding, laser welding, epoxies and resins to resolve materials joining issues in a variety of industries.

2001 to 2005 — **Battelle Memorial Institute** — Columbus, OH
Project/Program Manager
Provided program management for numerous thin film fabrication projects conducted in the Avionics and Electronics Systems cleanroom. Oversaw the re-design, retro-fitting, installation, and qualification of an upgraded vacuum chamber system for e-beam coating deposition.

Commercialization Program Manager Columbus, OH
Assessed very early-stage technologies for spin-out potential. Provided commercialization strategy consultation to Battelle market sectors and DOE labs. Prepared presentations for venture capital investors. Contributed to the creation of Battelle's Technology Acquisition Process.

1995 to 2000 **Owens Corning**
Leader, Process Engineering Science & Technology, Granville, OH
Designed, prototyped, and tested innovative packaging systems.

Composites Planning Process Expert World H.Q., Toledo, OH
Translated the operational model of the various European and North American composites reinforcement manufacturing plants into a format that could be processed by SAP enterprise software. Coordinated the creation and implementation of software that provided daily sales feedback to plant-level production scheduling. Integrated Australian/Indian operations into the global production planning model.

Composites Planning Manager Asia/Pacific, Hong Kong
Compiled training course for fiberglass reinforcement manufacturing and end-use product fabrication, then trained regional sales and customer service representatives from Korea through India in its use. Created Asia/Pacific sales forecasting and inventory control process. Coordinated trials of fiberglass reinforcement products for regional resin compatibility. Liaised with global manufacturing facilities to resolve local fitness-for-use issues.

Global Planning Specialist Composites, Anderson, SC
Linked global production at OC facilities, licensees, and joint ventures to global sales forecasts for three product lines. Created one-month, one-year, and five-year production and source-destination plans which took into account potential production disruptions caused by bushing replacements, glass formulation changes, furnace shutdowns for repair/rebuild, and ramp-up of new melters.

1994 **BellSouth Comunicaciones, SA** Santiago, Chile
Strategic Planner
Supported launch of domestic and global long distance service during Chilean telecom liberalization. Analyzed PCS wireless technologies, negotiated PCS vendor field trial proposals, and reviewed competitors' spectrum petitions. Member of team that submitted request for 1.8 GHz PCS concession to Chilean Government.

1989 to 1993 **General Electric**
Area Coordinator Nuclear Energy, Wilmington, NC
Directed 34 non-union employees in powder preparation; pellet pressing, sintering, grinding; rod and bundle assembly of UO_2 fuel bundles from UF_6 gas.

Manufacturing Engineer Nuclear Energy, Wilmington, NC
Qualified an internal lubricant for pressing UO_2 fuel pellets. Increased productivity 25% via redesigned press feed shuttles and 8% via improved tooling. Created fuel factory computer simulation which resulted in the purchase of $1M furnace to eliminate a manufacturing bottleneck. Provided technical support for Spanish, Japanese, and Canadian licensees.

Development Engineer Aircraft Engines, Madisonville, KY
Designed both the pilot-scale production trials of experimental thermal barrier coatings on jet turbine blades and the subsequent tests of the coated blades produced.

Toolroom Team Leader Aircraft Engines, Madisonville, KY
Directed the safety practices, work scheduling, and payroll for 17 union toolmakers in a facility that performed precision fabrication and repair of aerospace toolsets.

1985 **Coors Biomedical Company** Lakewood, CO

Technician
Fabricated, sintered, and destructively tested injection-molded ceramic dental crowns.

PROFESSIONAL CREDENTIALS

Professional Engineer: NCEES, South Carolina, Ohio, Wisconsin.

EDUCATION

MBA, International Business, University of South Carolina, 1995
MS, Ceramic Science and Engineering, Rutgers University, 1989
Thesis: "Moisture Penetration in Films and Glasses." Thesis was a collaboration of Rutgers Centers for Ceramic Research and Fiber Optic Materials Research Program.
BS (cum laude), Ceramic Engineering, Clemson University, 1985

Continuing Education:

OSHA 7115, Lock-Out / Tag-Out, 2011
Powered Industrial Lift Trucks, Miami Industrial Trucks, 2011
Metallurgy for the Non-Metallurgist, ASM International, 2011
OSHA 2045, Machinery & Machine Guarding Standards (31 hours), 2010
Fracture Analysis and Failure Prevention of Glass and Ceramics, Alfred University, 2010
OSHA 511, Occupational Safety and Health Standards for General Industry (30 hours), 2010
Principles of Metal Failure Analysis, ASM International, 2009
High Powered Ultrasonic Joining, Edison Welding Institute, 2005
Fuel Cell Manufacturing Issues, National Center for Manufacturing Science, 2005
Fuel Cell Systems Overview & Modeling, Ohio State Center for Automotive Research, 2003
The Basics of Material Handling, Materials Handling Institute, 2000
Fiber Reinforced Plastics School, Owens-Corning Fiberglas Corporation, 1995
Personal Communications Services (PCS), Motorola, 1994
Telecommunications Fundamentals, CINCATEL INACAP (Santiago, Chile) 1994
Intensive Latin American Business Training, Universidad de Costa Rica, 1994
Nuclear Criticality, NC State University, 1992
GE Chemical and Materials Leadership Program, 1991
Advanced Statistical Quality Control for Manufacturers, Clemson University, 1991

PROFESSIONAL MEMBERSHIPS

ASM International
American Ceramic Society
Central Ohio Section Chairman, 2004-2008
Jeppson Award Committee, 2005-2008
National Institute of Ceramic Engineers

HONORS

Tau Beta Pi Engineering Honor Society
Keramos, National Honor Society for Ceramic Engineers
Newcomen Award in Material History
National Merit Scholar