



J. DOUGLAS JETER, M.S., P.E.

Products, Materials Science, Workplace Safety
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PROFESSIONAL EXPERIENCE

- 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, glass, metals, polymers, wood, composites), and workplace safety (State and Federal OSHA incidents, Worker's Compensation claims, Ohio VSSR cases).
- 2010 to Present **Columbus State Community College** Columbus, OH
Adjunct Faculty
Appointments in Mechanical Engineering Technology and Physical Sciences Departments. Courses include Materials & Manufacturing Processes, Physics.
- 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 of the Microjoining, Plastics, and Ceramics group in materials joining research for industrial and governmental clients. Soldering, brazing, epoxies, resins, ultrasonic and laser welding, etc., were used to resolve materials joining issues for a variety of applications.
- 2001 to **Battelle Memorial Institute** Columbus, OH
 2005 *Project/Program Manager*
 Managed numerous thin film fabrication projects in the Avionics and Electronics Systems cleanroom. Oversaw the redesign, refit, installation, and qualification of an upgraded vacuum deposition system for e-beam coatings.
- 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 **Owens Corning**
 2000 *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 disseminated daily sales information to field sales representatives and plant-level production scheduling. Integrated Australian and 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 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 JV's to global sales forecasts for three product lines. Created one-month, one-year, and five-year production and source-destination plans, taking into account potential production disruptions due to 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 **General Electric**
 1993 *Area Coordinator* Nuclear Energy, Wilmington, NC
 Directed 34 non-union employees in powder preparation, pellet pressing, pellet sintering, pellet grinding, rod and bundle assembly of UO₂ fuel bundles from UF₆ gas. Responsible for employee safety in an environment containing thermal, chemical and radiological hazards in addition to the hazards (trip/fall, lock-out/tag-out, machine guarding, overhead crane, etc.) typically associated with manufacturing.
- Manufacturing Engineer* Nuclear Energy, Wilmington, NC
 Qualified an internal lubricant for pressing UO₂ 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 work assignments of, and responsible for the workplace safety for, 17 union toolmakers in a facility that performed precision fabrication and repair of aerospace toolsets using a variety of mills, lathes, drill presses, and grinders.
- 1985 **Coors Biomedical Company** Lakewood, CO
Technician
 Fabricated, sintered, and destructively tested injection-molded ceramic dental crowns from spray-dried powders.

PROFESSIONAL CREDENTIALS

Professional Engineer: NCEES, South Carolina, Ohio, Wisconsin, Pennsylvania, Michigan, West Virginia, Illinois, North Carolina.

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AUTHORIZATIONS

OSHA Authorized General Industry Trainer
Authorized to use Crosby Group Training Materials for Rigging Training

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:

ASME Rigging Trainer Development Course (Crosby Training), Las Vegas, 2013
Phenomena in Industrial Glass Melting Processes, Glass Manufacturing Industrial Council, Columbus, OH, 2013
OSHA 3110, Fall Arrest Systems, Mid-America OSHA, 2013
Ohio Shale Oil and Gas Seminar, Ohio Northern University, 2013
OSHA 2264, Permit-Required Confined Space Entry, Mid-America OSHA, 2012
Medical Device Design Validation & Failure Analysis, ASM International, 2012
OSHA 7005, Public Warehousing and Storage, Mid-America OSHA, 2012
Qualified Crane Signaler & Rigger Training, Mid-America OSHA, 2012
OSHA 7115, Lock-Out / Tag-Out, Mid-America OSHA, 2011
Powered Industrial Lift Trucks, Miami Industrial Trucks, 2011
Metallurgy for the Non-Metallurgist, ASM International, 2011
OSHA 2045, Machinery & Machine Guarding Standards, Texas A&M, 2010
Fracture Analysis and Failure Prevention of Glass and Ceramics, Alfred U., 2010
OSHA 511, Occupational Safety and Health Standards for General Industry, 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, 1995
Personal Communications Services (PCS), Motorola, 1994
Telecommunication Fundamentals, CINCATTEL INACAP, Santiago, Chile, 1994
Intensive Latin American Business Training, Universidad de Costa Rica, 1994
Nuclear Criticality, NC State University, 1992
Advanced Statistical Quality Control for Manufacturers, Clemson Univ., 1991
GE Chemical and Materials Leadership Program, 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

LANGUAGES

English (native proficiency)
Spanish (fluent proficiency)
Portuguese (limited proficiency)
Mandarin (elementary proficiency)