

CURRICULUM VITAE

Peter Elliott

BSc MSc PhD CEng FIMMM FICorr FNACE

Professional Summary

Special Expertise

- Stress corrosion cracking of copper tubing under elastomeric insulation
- Underground storage tank surveys
- Formicary (ant-nest) corrosion in copper tubing
- High temperature oxidation, hot corrosion and corrosion by molten salts, molten glasses
- Specialist in planning and presenting seminars and in-house training courses

Expert Testimony

Testified in trials and depositions, including End-Dispute and JAMS, and other arbitrations in USA and overseas. Court-qualified as an expert in metallurgy, materials selection, failure analysis and corrosion.

- Over 35 years experience in the understanding and application of metallurgy, materials and corrosion control principles and risk minimization associated with materials
- Professional independent engineering services and technical support in metallurgy, corrosion and high-temperature materials performance for all sectors of industry
- Design appraisals, inspections, site surveys, failure investigations, cause and origin assessments, testing and simulation studies
- Experience with major plant failures – including process plant, refineries, gas turbines boilers, pipelines and buildings following explosions, fires, flood damage and structural collapse
- Assess malfunctioning equipment, component breakdowns, electrical failures, cargo condition surveys, buildings and infrastructure, pipelines, water mains, underground storage tanks, supports and guardrails, poorly fabricated parts and equipment
- Independent advise on materials, design and corrosion control for engineers, management, designers, operators, inspectors and risk assessors
- Approximately 100 published technical papers and over 100 professional presentations, including radio and television

Employment History

President, Corrosion and Materials Consultancy, Inc. Colts Neck, NJ, 1987- present

Senior Consultant, Director, Independent Consulting Companies, UK and Houston, TX, 1985 – 1987

Professor, University of Manchester Institute of Science and Technology, Manchester, England, 1968 – 1985

Senior Consultant, Corrosion And Protection Centre Industrial Services, Manchester, England, 1973-1985

Research Project Officer, Imperial Chemical Industries, Ltd., Birmingham, UK, 1965 - 1968

Academic Background

- BSc., Metallurgy, University of Manchester, England – 1962
- MSc, Metallurgy, University of Manchester, England – 1963
- PhD, Metallurgy, University of Manchester, England – 1965

Registrations

- Licensed Chartered Engineer, CEng #371093
- Fellow, Institute of Corrosion, FICorr #1141)
- Fellow, Institute of Materials, Minerals & Mining, FIMMM #87718
- Corrosion Specialist, NACE International, #4964
- NACE International Fellow, 1999

Professional Affiliations

- NACE, International - Member since 1982, Corrosion Specialist 1995, NACE Fellow 1999
- ASM International - Member since 1986
- Institute of Corrosion - Member since 1974-present, Chairman (1984-1986), Fellow 1997
- Institute of Materials, Minerals & Mining - Member (1963-1995), Fellow 1995

Miscellaneous Appointments & Services

- UK Government, Member, Working Party on Education & Training - Committee on Corrosion (1972 - 1982). Technical Support, Overseas Development Administration (1981-1986), IIE, Cuernavaca, Mexico.
- Nickel Development Institute (NiDI). Consultant. (1990 - 2000).

Publications

Author of approximately 100 technical papers on: materials performance, aqueous & general corrosion, high temperature corrosion, engineering design, risk assessment & awareness, and corrosion technology transfer

Presentations

Over 100 presentations, including: plenary lectures, invited lectures at international conferences and local professional societies, radio and television presentations, video presentation on designing for corrosion control, high-temperature seminar for NACE (author and presenter), corrosion control for food processing industries (NiDI presentations)

Seminars/Courses

Customized presentations for clients worldwide, including seminars or short courses held at universities, private companies and for professional societies.

Topics include:

- Approach to Failure Analysis
- Materials Selection & Design
- Overcome the Challenge of Corrosion
- Designing to Minimize Corrosion
- High Temperature Corrosion

Courses included:

- Industrial Corrosion, CfPA – USA and overseas
- Oil & Gas Corrosion, CfPA – overseas
- Corrosion in Food & Beverage Industries, NiDI – USA and Mexico
- The Utilization of Stainless Steels, University of Madison, Wisconsin
- Overcome the Challenge of Corrosion, University of Madison, Wisconsin; IVEPE, Greece