

Dr N J Henry Holroyd – Bolivar, MO 65613, USA.

Born in Scotland in 1951, educated at University of Newcastle-upon-Tyne, UK, B.Sc. in Chemistry /Metallurgy J.Hons (1972), PhD in Engineering (1977), Thesis “Environmental aspects of Stress Corrosion Cracking of Ferritic Steels” (Supervisor: Redvers Parkins). Following 12 years further research in field of environmental-sensitive-fracture at the University of Newcastle-upon-Tyne, moved to Alcan International Research Laboratories, Banbury in 1981 to broaden research interests to include fracture, backward extrusion and pressure vessel technology for high-pressure gas containment.

In 1995 moved to Riverside, California as Luxfer Gas Cylinders, Senior Vice President with global responsibilities for technology and innovation, while retaining his positions as an Adjunct Professor at Case Western Reserve University, Ohio (1993-ongoing) and Visiting Professor at the University of Central England in Birmingham, UK (1994 -97) and Newcastle University, UK (1999 -2005).

In 2008 become a self-employed consulting scientist, retained by Luxfer Gas Cylinders (ongoing) and commissioned by other clients, including Apple, Inc., Airbus, Kaiser Aluminum, DSTL, US Air Force, and Wendell Hull & Associates in connection with structural failure analysis and SCC/EIC of aluminum alloy products. In 2018 became a Visiting Professor at the University of Manchester (ongoing) and continues collaborations on aluminum alloy EIC with Professor's: Tim Burnett (University of Manchester, UK), John Lewandowski (Case Western Reserve University, US) and Geoff Scamans (Brunel University, UK).

Published over 160 papers and first named inventor on 7 globally granted Patents (+ 1 pending Application) on: aluminum alloy metal-spray coatings, aluminum alloy welding and pressure vessel technology, involving: autofrettage, co-extrusion, alloy development, pressure regulation and surface treatment for gas stability. Acted as a PhD examiner in the UK, US and Australia and involved with the supervision of over 35 PhD and MSc students.

Hobbies include: playing saxophone (mainstream jazz), golf and collecting/appreciating fine wine. Tel. 417-777-8066. e-mail: henry.holroyd@luxfer.com

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