

Jeff Archbold, B.Eng., M.A.Sc.

Walters Forensic Engineering

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SPECIALIZED PROFESSIONAL COMPETENCE

Human Factors
Mechanical Failure
Bicycle Accident Reconstruction
Medical Implants
Workplace Safety

ACADEMIC BACKGROUND

Master of Applied Science, 1999
Faculty of Metallurgy and Material Science (Biomaterials), University of Toronto

Bachelor of Engineering, 1992
Faculty of Mechanical Engineering, McGill University

EMPLOYMENT BACKGROUND

Walters Forensic Engineering 2001 to present

Forensic Engineer specializing in: bicycle related incidents including mechanical failures and collisions; biomaterials including medical implant failure; mechanical failures; and accidents involving biomechanical and human factors concerns with regards to personal injury and workplace design & remediation.

Local 58 I.A.T.S.E. 1989 to present

Technician specializing in aerial rigging assessment, design, and installation, and workplace safety for live theatre and film.

la bicicletta 2000 to present

Salesperson for high-end road/track/TT/cyclo-cross bicycles specializing in custom fitting of clients.

SEMINARS GIVEN

“Sintering Temperature Effects on the Mechanical Properties of Porous-Coated Ti-6Al-4V ELI Alloy”, Canadian Society for Biomaterials (1997)

BICYCLE RELATED EXPERIENCE

Licensed road racer beginning in 1985

Competed in ‘Le Tour d’Abitibi’ for the Atlantic provinces Junior Team in 1986

Raced in France in 1991 and 1996

Novice road race co-ordinator and coach for ‘Midweek Club’ in 1999 and 2000

Began working in bicycle stores as a mechanic in 1985

Fabrication of custom steel road race frames since 1995