

Stephen A. Johnston, Ph.D.

Thomas Downey, Ltd.

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EDUCATION

Ph.D. Materials Science and Engineering
The Johns Hopkins University, 1995

M.S. Materials Science and Engineering
The Johns Hopkins University, 1992

B.S. Materials Science and Engineering
The Johns Hopkins University, 1989

PROFESSIONAL BACKGROUND AND EXPERIENCE

THOMAS DOWNEY, LTD.
Principal

Alexandria, VA
2001 - Present

Consulting engineer for roofing, waterproofing, exterior walls, masonry, failure investigation, materials assessment, property condition assessment. Technical oversight of roof repair and replacement. Failure investigation for insurance claims.

LAW ENGINEERING and ENVIRONMENTAL SERVICES, INC.
Project Engineer

Columbia, MD
1995 - 2001

Design and construction administration for roof replacement systems. Technical consulting for roofing, waterproofing, facades, water infiltration and moisture control, non-destructive testing, and materials testing. Testing and development of testing procedures for customized testing applications. Property condition assessment of office, residential, hotel, and high-rise buildings.

THE JOHNS HOPKINS UNIVERSITY
Research Assistant

Baltimore, MD
1992 - 1995

Research of the relationship of mechanical and magnetic properties of high strength steels. Design of testing procedures, test equipment, and instrumentation.

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)
National Roofing Association (NRCA)
Roof Consultants Institute (RCI)
Tau Beta Phi (Engineering Academic Honor Society)

TEACHING EXPERIENCE

Undergraduate Materials Laboratory, The Johns Hopkins University 1992 - 1995
Properties of Polymeric Materials, The Johns Hopkins University 1990