

Geoffrey Rowe

Dr. Rowe is the president and CEO of Abatech Inc which conducted pavement engineering projects around the world from its headquarter location in Pennsylvania, USA. Abatech has developed of approximately 20 software packages for pavement engineering of which eight are marketed and used in approximately 40 countries around the world. The technology includes pavement structural design, analysis of FWD data, materials property analysis and rheology. The software developed by his team for determination of the critical cracking temperature associated with single event low temperature thermal cracking is described in AASHTO PP-42 and is implemented in the AASHTO M320 Table 2 standard for asphalt binders. Dr. Rowe's fatigue work on asphalt mixtures has recently been published as ASTM Beam Fatigue Standard Test Method D 7460-08. Dr. Rowe leads several research efforts in rheology and the fracture of asphalt with funding from industry and government sources. In addition, Dr. Rowe currently heads an ASTM Sub-committee developing standards for forensic engineering.

Dr. Rowe is a licensed Professional Engineer in New Jersey, Pennsylvania and Florida. In addition, he is a Chartered Materials Engineer in the United Kingdom.

Specialties: Asphalt and civil engineering materials, pavement design for roads/airports/ports & industrial pavements, rheology of materials, software development, failure analysis