



### CURRICULUM VITAE

#### Robert Stalker

- Post** : Section Leader – New Developments
- Discipline** : Chemistry
- Date of Birth** : 22<sup>nd</sup> November 1966
- Nationality** : British
- Qualifications** : BSc (Hons), Chemistry, University of Stirling, UK (1988)  
PhD, Organic Chemistry, University of Glasgow, Glasgow, UK (1992)
- Professional Affiliations** : Society of Petroleum Engineers (SPE)  
National Association of Corrosion Engineers (NACE)

#### **Experience and Expertise**

**Dr Robert Stalker, Senior Chemist, Corrosion and New Developments:** Dr Stalker is a chemist, with a strong background in synthetic organic chemistry and physical organic chemistry. In addition, he has a good understanding of mathematical modelling, especially pertaining to oilfield chemical squeeze applications. Along with routine testing work, Dr Stalker has taken a lead role at Scaled Solutions in projects involving the development of new techniques and methodologies. Key projects in which he has been involved in this respect include the use of nanofiltration technology to isolate treatment chemicals from the produced water stream, the development of novel methods for the measurement of general corrosion rates in oil/water mixtures and emulsions, the development of anaerobic testing methods for the investigation of scale inhibitor performance in the presence of iron (II), formation damage aspects of produced water reinjection schemes, the development of novel techniques for the laboratory assessment of scale inhibitor performance in very mild scaling regimes, and the development of novel injection fluids to achieve enhanced placement of chemicals in heterogeneous reservoirs. Most recently, he has been the project leader for a Joint Industrial Project with nine operating companies and service companies which is further investigating the use of such novel injection fluids for practical application, culminating in a successful field trial of the technology earlier this year. **Courses:** Dr Stalker, along with three other industry experts, has prepared an SPE workshop on oilfield corrosion "Introduction to Oilfield Corrosion, Materials, and Corrosion Control", which was presented in conjunction with the SPE 3<sup>rd</sup> International Symposium on Oilfield Corrosion in Aberdeen, UK, May 2006.

## Career Summary

### **2000 to Present. Scaled Solutions Ltd.**

Dr Stalker is a Senior Chemist in Scaled Solutions Ltd., an independent laboratory testing company based in Livingston, UK, involved primarily in flow assurance and formation damage issues for oilfield production systems. He also has responsibility for managing the Health and Safety process within Scaled Solutions, where his duties include ensuring that the processes undertaken by Scaled Solutions Ltd. comply with or exceed the requirements of legislation and good practice. Dr Stalker has also recently taken responsibility for the realisation and protection of intellectual property developed during the activities of Scaled Solutions Limited.

### **1999 – 2000, Kansas State University, Manhattan Kansas, US.**

Dr Stalker joined Kansas State University in January 1999 as a postdoctoral research associate in physical organic chemistry, where he was a lead experimentalist in a project working towards the formation and study of stabilised unusual peptide structures such as the  $\alpha$ -helix. Such peptide structures are believed to exist transiently *in vivo* and have been implicated in various ion transport and pathological phenomena. In the course of this work, he developed a novel synthetic method for preparing homochiral, non-proteinaceous aromatic cyclic lysine analogue amino acids from readily available starting materials.



**Company Secretary, Training Officer, ISO Co-Ordinator, Accounts, Mrs. A. Graham,:** Ann Graham has a BSc (Hons) in Biochemistry with Education. In addition to Co. Secretary duties she has responsibility for Accounts, Staff Training and the Company's Quality Systems. Ann is also responsible for company's personnel issues and staff contracts. An external HR support has also been contracted for support in this role.

**Business Development & QMS Manager, Mr. B. Cormie:** Mr. Cormie has > 25 years experience of management systems and business development in large multinational corporations. He was responsible for setting up the company's quality management system and plays an active role in it's development. Bill is retained as an external consultant to Scaled Solutions Ltd.

**Dr. Helen Williams Senior Chemist.**

Helen specialises in calcium naphthenate assessment and HP/HT testing and is actively involved in these high profile activities in Scaled Solutions. Helens role is expected to become less hands-on over coming years as the company expands with additional staff taken on and trained while Helen concentrates more on management of the expanding laboratories.

Papers (or see SSL publications list)

**Alex Nelson, BSc (Geologist).** Alex has over 6 years direct experience in formation damage activities in two of Scaled Solution's competitor companies and has worked directly for clients in UK and Norway.

**Mr. Ian Littlehales, Scientific Officer:** Ian has a HND in applied chemistry and has worked in laboratory aspects of petroleum production chemistry for > 14 years. He is recognised within the industry for expertise in chemical testing and core flooding experiments.

**Dr Sarah Dyer:** Sarah has recently joined Scaled solutions as a part time senior chemist. She works remotely from her base in Bedford and assists on major chemical projects such as our naphthenates research projects and our HP/HT developments. Sarah has an international reputation in the industry and is returning to work after starting a family.

**Dr. Robert Stalker, Senior Chemist, Corrosion and New Developments:** Robert has a BSc and PhD in applied chemistry and has worked for > 10 years in R+D laboratories in both the UK and US. He has been with Scaled Solutions for 4 years and his responsibilities include new developments, corrosion control and

Health and Safety. Robert is involved with all of our research and development activities and is expected to head up this area during the company's expansion

**Dr. Fazrie Wahid, Engineer:** Fazrie joined Scaled Solutions in April 2004 after gaining his PhD in Chemical & Petroleum Engineering examining modeling aspects associated with oilfield chemistry.

