



## Offshore Energy and Telegraph Cables

Thursday 26 September 2019, 17:30 for 18:00

SCI, 14/15 Belgrave Square, London, SW1X 8PS, UK

Organised by SCI's London Group and the Institute of Corrosion – London Branch  
The Evening Chair will be John T O'Shea, Hon ICorr Life Fellow

This evening event includes two presentations, followed by a networking reception at 19:30. Attendance to this event is free of charge, however places are limited. Please register today by visiting: [http://bit.ly/Offshore\\_Energy](http://bit.ly/Offshore_Energy)  
The event is open to SCI, ICorr, IOM3, LMS, and TWI members and guests.

### The Transatlantic Telegraph Cable

Dr Fred Parrett – SCI London Group Treasurer

The electric telegraph was first developed by Samuel F. B. Morse, in 1832, who soon developed Morse Code. Land based cables to use the telegraph soon followed, and within a decade, more than 20,000 miles of telegraph cable crisscrossed the USA and the UK. Trials of underwater cable were undertaken by Samuel Morse across New York Harbour in 1842 and Charles Wheatstone across Swansea Bay in 1844, and within a few years there were cables laid across the English Channel. The problems of laying a cable across the Atlantic was a greater challenge, not just the technical and logistical problems, but financing such a great undertaking. The presentation will cover the story of how it finally happened and the personalities involved.

### From Oil and Gas to Windfarms – 50 years of Offshore Corrosion Control Experience

Trevor Osborne. Past President, Institute of Corrosion (ICorr)

For over 50 years corrosion engineers have dealt with offshore structures around the world. The recent decline in oil and gas markets, combined with a fresh upsurge towards renewable energy requirements, has led to interest in wind generation in the form of wind-farms. These consist of monopiles, transition pieces and substation fixed jackets which need to be protected to last their lifetime. The presentation will set out from early offshore structure design and construction for the oil and gas markets to the painful transition to wind energy. It considers the attendant problems that have occurred along the way and how what should have been an easy transformation, often times was not.

**Book today! Free registration**

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