

# Brief cv for Stephen Huggett

## Qualifications

BSc Hons I Mathematics (London) 1975

MSc Mathematics (Oxford) 1976

DPhil Mathematics (Oxford) 1980

## Current post

1995– Reader in Mathematical Physics, University of Plymouth

## National and international committees

2001– Programme Secretary of the London Mathematical Society.

2004– Chair of the International Affairs Committee of the London Mathematical Society.

2004– Council Member of the European Mathematical Society.

2005– Scientific Users Committee for Zentralblatt-MATH.

2007– Secretary of the European Mathematical Society.

## Research interests

Twistor theory.

Polynomial invariants of knots and graphs.

History of geometry.

## Selected books

S A Huggett and K P Tod, *An introduction to twistor theory*, second edition, Cambridge University Press, 1994.

S A Huggett, L Mason, K P Tod, S T Tsou, and N M J Woodhouse, (editors) *The Geometric Universe*, Oxford University Press, 1998.

S A Huggett and D Jordan, *A Topological Aperitif*, revised edition, Springer-Verlag, 2009.

## Selected articles

S A Huggett and M A Singer, *Relative cohomology and projective twistor diagrams*, Trans. Amer. Math. Soc., **324**, 41–57, 1991.

S A Huggett *Recent work in twistor field theory*, Class. Quantum Grav. **9**, 127–135, 1992.

R E Horan and S A Huggett, *Cohomology of Elementary States in Twistor Conformal Field Theory*, Annals of Global Analysis and Geometry, **14**, 107–121, 1996.

S A Huggett and F Müller, *Sequential composition of twistor diagrams*, Proc. Roy. Soc. Lond. A., **455**, 1599–1614, 1999.

S A Huggett and S A Merkulov, *Twistor transform of vector bundles*, Math. Scand., **85**, 219–244, 1999.

S A Huggett *On tangles and matroids*, Journal of Knot Theory and its ramifications, **14**, number 7, 919–929, 2005.

M G Eastwood and S A Huggett, *Euler characteristics and chromatic polynomials*, European Journal of Combinatorics, **28**, 1553–1560, 2007.

I Moffatt and S Huggett, *Expansions for the Bollobás-Riordan and Tutte polynomials of separable ribbon graphs*, Annals of Combinatorics, to appear.

N Bloye and S Huggett, *Newton, the Geometer*, preprint.

## Statement

In the mathematical community we all share a passion for the beauty, rich history, and enormous potential of our subject. On the other hand there is a striking cultural diversity within Europe, which is both a source of strength and an organisational challenge. The EMS has a crucial role in enabling individual mathematicians and mathematical societies from across Europe to work even more closely together.