

**Prof. A.T. WILLIAMS, B.Sc., Ph.D., MIMMM., C.Eng., C. Sci.      A MODIFIED CV.**

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Professor, Swansea Metropolitan, University of Wales Trinity St David, Mt. Pleasant, Swansea, SA1 6ED, Wales, UK,

**EDUCATION:** Ph.D. in Coastal Geology, Hong Kong University (Commonwealth Scholar), 1968-71; B.Sc. Geology, (Birmingham University); Diploma in Education, (Wales); B.Sc. Geography, (External, London University).

**PROFESSIONAL EXPERIENCE:**

***a) Teaching***

Secondary teaching at, Adisadel College, Cape Coast, Ghana; Monkton House School, Cardiff.  
Teaching Assistant, Geography Department, University of Colorado, Boulder, USA.  
Professorships held at Universities of Virginia, USA (1974-1975); Saskatchewan, Canada (summer 1984); Glamorgan (1971-1997); Bath Spa, UK (1997-2001); External Professor, Univ. of Glamorgan, 2001- 05; Professor, Swansea Metropolitan University, 2005-2011.  
1978, 1980, 1982 (summer); Research Scientist at Univ. of Massachusetts and Maryland, USA.  
2001-(March-May; Jan-May 2004). Research Scientist, International Hurricane Centre, Florida International University, Miami, Florida, USA  
2004-2007-. Visiting Professor, Southampton Solent University, Southampton, Hants, UK.  
2005- July-Oct, Erskine Fellow, University of Canterbury, Christchurch, New Zealand,  
2008- Autumn, Visiting Professor, Ocean University, Qingdao, China  
2005 - Lecturer, annual 'Commonwealth post graduate coastal training course on: 'The management of recreational tourism', Foreign Office & Commonwealth Courses, Univ. of Malta.  
2005 - present. ERASMUS MUNDI, M.Sc. lecturer (Plymouth, Faro, Cadiz),

***b) Ancillary***

1970-1980. Fellow of the Geological Society of London.  
1974- Deutscher Akademischer Austauschdienst grant tenable at the Geologisches- Palaeontologisch, University of Kiel, Kiel, Germany.  
1978-1983 Scientific Advisor to Coastal Environment Research Centre, San Benedetto del Trento, Italy.  
1980- University external examiner for higher degrees >25; University external examiner for undergraduate/post-graduate Geography/Environmental Science degrees, e.g. University of Surrey, University of Wales, University of Ulster; Member of many CNAAs and University external assessment panels for undergraduate and post graduate degree courses, including quality assessments.  
1979 and 1980- Bulgarian Academy of Sciences Award to lead a team of four people to look at coastal problems in Bulgaria.  
1982-84. Member of the British Geomorphological Research Group Committee

1985- Royal Society, London, sponsored lecture tour of China,  
1987- Consiglio Nazionale Delle Ricerche, Rome, Italy, to discuss coastal problems with scientists at Roma, Bologna and Camerino.  
1985-89- Elected judge on the Prince of Wales Committee.  
1988- Guangzhou Council, China; to advise on coastal conservation sites.  
1991-1996. Committee member of the UK National Aquatic Litter Group (NALG),  
1992- Member of the Institution of Materials, Mining & Metallurgy, London, UK.  
1992- Chartered Engineer; Winston Churchill Fellow  
1993- Leverhulme Fellowship, 'Process form relationships on USA east coast Barrier Islands.'  
1993- Founder Member of MedCoast (METU, Ankara, Turkey), lecturer on ICZM courses.  
1994- Royal Society, London sponsored visit (six weeks) to Japan  
1995-1999- Co-ordinator of an international research project on dune vulnerability: EC 'ELOISE' – DUNES (UK, Spain, Portugal, France and Greece).  
1996- Scientific Advisor to the DISEPLA Research Group, Instituto Hidrografico, Lisbon, Portugal.  
1998-2000. UK Commissioner for the European Union for Coastal Conservation,  
2000- Millennium award by Welsh Assembly Government: 'Assessment of the state of Wales' beaches wrt. Litter', in conjunction with the Welsh Association of Youth Clubs  
2000 & 2005- Evaluator for all Portuguese Universities Marine Research Programmes, Fundação para a Ciência e a Tecnologia  
2001-.E.C. 'Expert - Evaluator' panel re marine environmental research projects,  
2001- 2004. Joint co-editor for the Journal of Coastal Conservation,  
2002- Award given by the Chamber of Civil Engineers, Ankara, Turkey, in recognition of 'invaluable contributions to coastal engineering'.  
2004- Chartered Scientist.  
2006- European Union for Coastal Conservation; 'Bathing Area Registration and Evaluation study in the CAP Nador, Morocco, pilot sites and selected areas'  
2007- Malta Tourist Agency; 'Scenic assessment of Gozo coastal sites.'  
2007-2009- Priority Action Programme:Regional Activity Centre, Split, Croatia. 'Field studies re ICM on Croatian beaches.'  
2008 Dai Wa scholarship, Japan,  
2010 - Advisor to the University of Malta, re setting up a Faculty of Earth Sciences.  
- Assessor of the 'Clean and Safe sea status of the UK Seas' report by DEFRA  
-Member of the e-GEO Centro de Estudos de Geografia e Planeamento Regional, Departamento de Geografia e Planeamento Regional Faculdade de Ciências Sociais e Humanas Universidade Nova de Lisboa.  
2011- Editor, International Journal of Coastal Zone Management, Special Issue on Marine Debris, Volume 11 (1).  
2011- Elected Trustee and editorial board member, the Coastal Education and Research Foundation (CERF), publishers of the Journal of Coastal Research.  
2012- Invited to be a member of the 'International Scientific committee for beach quality', Ministry of the Environment, France.

**PUBLICATIONS.** >300 papers, 29 technical reports, >200 presentations made at national/international conferences. Referee for many international journals, e.g. Sedimentology, Marine Geology, Geomorphology, Earth Surface Processes and Landforms, Journal of Coastal Research, Journal of Coastal Conservation and Management, Tourism Management, Coastal Management

**CONSULTING EXPERIENCE:** Welsh Office; Countryside Commission; Severn Estuary Tidal Power Group; Local Borough and County Councils; Engineering firms: Robert West & Partners, Wardell-Armstrong & Partners, Hyder Research; UK Coastguard and Maritime Agency; World Health Organisation, Rome; European Union, Brussels; USA National Park Service; DEFRA, UK Expert witness in law cases (e.g. Addisons Solicitors, Bridgewater; Stewarts, Lincoln's Inn Fields, London).UNDP, PAPRAC, Split, Croatia

**FINANCE & SUPERVISION EXPERIENCE:** Grants obtained and managed >£2m.  
Successfully supervised 20 Ph.D. & 11 M.Phil. higher degree candidates.

**MEDIA:** several TV documentaries on coastal/flood problems, plus radio broadcasts

**HOBBIES:** Qualified coach in cricket, athletics, badminton, swimming; Royal Life Saving Association Distinction Award; Judo black belt, Qualified SCUBA diver, Parachutist, survival skills Instructor; Dog exhibitor; wood-carver; stained glass window making; musician (with the Cardiff School of Samba); novelist – 2 'thriller' books (Hong Kong Nemesis & Ireland Nemesis), 2 children's book – 'A day at the beach with Jack, Jill and Sammy Sand Grain; also Peter Pebble' (translated into 5 languages); 9 poems.

**DEGREE LECTURING EXPERIENCE:**

Geomorphology; Marine Geology; Physical Geography; Sedimentology; Statistics; China; Man & his Environment; Glacial Geology; The Developing World; Conservation; Coastal Processes; Science, Society & Technology, Physical Transport Systems, Coastal Zone & Beach Management.

### BOOKS/SPECIAL ISSUE EDITOR

1. Williams, A.T., and N.E., Caldwell, and P. Davies. 1981. *Landforms of the Glamorgan Heritage Coast*, Mid Glamorgan Joint Management Committee, 64 pp.
2. Jones, P., Healy, M.J., and A. T., Williams. 1996. Editors: *Studies in European Coastal Management*, 299 pp, Samara Publishing, Cardigan, UK.
3. Earll, R., Everard, M., Lowe, N., Pattinson, C., and A.T., Williams. 1996. Editors: *Measuring and managing litter in rivers, estuaries and coastal waters: A guide to methods*, 78 pp, CMS, Kempsey, Gloc. UK.
4. Williams, A.T., Davies, P., and N. E., Caldwell, 1997. *Coastal Landforms and Processes - the Glamorgan Heritage Coast*. 90 pp, Bridgend County Borough Council, UK.
5. Williams, A. T., and A., Micallef. 2000. Special Issue Editors, *Journal of Coastal Conservation*, 6.1.
6. Williams, A.T., and A., Micallef. 2009. *Beach Management: Principles and Practices*, 445 pp, Earthscan, London.
7. Williams, A.T., 2011. Special Issue Editor, *International Journal of Coastal Zone Management, Special Issue on Marine Debris*, Volume 11 (1).
8. Markovicic, M., Micallef, A., Povh, D., and A.T., Williams, 2011, *Smjernice I prioritetne Akcije (Guidelines for integrated Coastal Management)*, 218 pp, PAPRAC, UNDP, Split, Croatia.
9. Pranzini, E., and A.T., Williams, 2013, (editors), *Coastal Erosion and Protection in Europe*, Routledge/Earthscan publishers, London, 454 pp.

### CHAPTERS IN BOOKS – ALL REFEREED

1. Williams, A.T. 1971. The Geology and Geomorphology of Hong Kong. (In), *The Changing Nature of Hong Kong*, (ed.), D J Dwyer. Proc. Royal Asiatic Soc., 3-16.
2. Williams, A.T., and R.G., Miles. 1985. Techniques in Beach Dune Sand Analysis. (In), *'Geography Applied to Practical Problems'*, (ed.), James H Johnson. Geobooks, 139 -52.
3. Sothern, E., Randerson, P.F., and A.T., Williams, and J Dixon. 1985. Ecological Effects of Recreation at Merthyr Mawr Dunes, South Wales. *'Sand Dunes and their Management'*, No. 13, (ed.), P., Doody. Focus on Conservation, Nature Conservation Council, 217-238.
4. Williams, A.T., and S P., Leatherman. 1985. Sedimentologic Analysis. In, *Geomorphologic Analysis of South Shore of Long Island Barriers, New York*. (eds.), S.P., Leatherman and J.R., Allen, National Park Service, North Atlantic Region, Boston, USA. 177-204.
5. Williams, A.T., and B. L., Wu. 1986. The Heritage Coast Concept of Coastal Management in Great Britain. *Collected Oceanic Works*, State Oceanic Administration, China, 130-141,
6. Williams, A.T. and P Davies. 1987. Anthropogenic response to rock mass instability in coastal South East Wales, UK., In, (ed.), A. Aureli, *"L' Antropizzazione e la degradazione dell' Ambiente fisico"*, CNR Pub 129, 49-64.
7. Williams, A.T., and P.F., Randerson. 1989. Nexus: Ecology, recreation and management of a dune system in South Wales; In, *"Perspectives in Coastal Dune Management"*, (eds.), F., van der Meulen, P.D., Jungerius and J.H., Visser, SPB Academic Publishing, Netherlands, 217-227.

8. Williams, A.T and P Davies. 1989. A coastal hard rock sediment budget for the Inner Bristol Channel. In, '*Sediment Transport Modelling*'. (ed.), S.Y., Wang, Amer. Soc. Civ. Eng. (Hydraulics Division), 474-479.
9. Williams, A.T. 1990. Management strategies for coastal conservation in South Wales, UK. In, "*Recreational Uses of Coastal Areas*", (ed.), P Fabbri, Kluwer Academic Publishers. 19-38.
10. Williams, A.T., and P., Davies. 1990. Coastal cliff protection measures in South Wales, U.K. In, *Littoral 1990*, (eds.), R E., Quelenec, E., Ercolani, & G., Michon, R.G.M. Marseilles, France, 699-703.
11. Williams, A.T., 1991. Global warming and sea level rise: a view from the beach. In, (ed.), J., Hinton, '*Coastal Protection*'. Planning, Transport Research and Computing Limited, Imperial College, London, 54-69.
12. Williams, A.T., Leatherman, S.P., and S. L., Simmons. 1993 .Beach Aesthetic Values: the South West Peninsula, UK. '*Interdisciplinary Discussions of Coastal Research and Coastal Management Issues and Problems*', (eds.), H., Sterr, J., Hofstide and P., Plag, 240-250, Peter Lang, Frankfurt,
13. Simmons, S.L., and A.T., Williams. 1993. Persistent Marine Debris along the Glamorgan Heritage Coast, UK: A Management Problem. '*Interdisciplinary Discussions of Coastal Research and Coastal Management Issues and Problems*', (eds.), H., Sterr, J., Hofstide and H.P., Plag, 251-262, Peter Lang, Frankfurt.
14. Williams, A.T., Davies, P. and A.P., Belov. 1996. Coastal cliff failures at Colhuw beach, Wales, UK. (In), *Coastal Environments*, (eds.), Breccia, C.A., and Ferrante, A., 75-82, Computational Mechanics Publications, UK.
15. Earll, R., and A.T., Williams. 1996. A Manual of Sources of Aquatic Litter, (In), *Measuring and managing litter in rivers, estuaries and coastal waters: A guide to methods*, (eds.) R., Earll, M., Everard, N., Lowe, C., Pattinson and A.T., Williams, 68-70.
16. Williams A. T., 1997. Sewage: some Problems and Solutions. (In), *Water Pollution IV. Modelling, Measuring and Prediction*. (eds.), R., Rajar and C.A., Brebbia, 13-22, Computational Mechanics Publications,
17. Nelson, C., and A.T., Williams. 1997. Bathing Water Quality and Health Implications. (In), *Water Pollution IV. Modelling, Measuring and Prediction*. (eds.), R. Rajar and C.A. Brebbia, 175-183, Computational Mechanics Publications.
18. Williams, A.T., Randerson, P., and E., Sothern. 1997. Trampling and Vegetation Responses on Sand Dunes at the Glamorgan Heritage Coast, U.K. (In), *The Ecology and Conservation of European Dunes*, (eds.), Francisco Garcia Nova, Robert M. M. Crawford and Marie Cruz Diaz Barradas, 286-300, Universidad de Sevilla, Spain.
19. Williams, A.T., 1998. Integrated Management Methods: Monitoring Environmental Change in Coastal Dune Ecosystems. *Proc. Third European Marine Science and Technology Conference, Volume II: Strategic Marine Research*, (eds.), K-G., Barthel, H., Barth, M., Bohle-Carbonell, C., Fragakis, E., Lipiatou, P., Martin, G., Ollier, M., Weydart. 642-653, European Commission, Brussels.

20. Nelson, C., Williams, A.T., Botterill, D., Rees, G., and C., Richards. 1999. Beach Health Risk Assessment and Pollution Perception. (In), *Water Quality: Processes and Policy*, (eds.), Stephen T Trudgill, Des E Walling & Bruce W Webb, 65-72, John Wiley and Sons Ltd., 1999.
21. van Maele, R., Pond, K., Williams, A.T., and K., Dubsky, 2000. Public. Public participation and communication, Ch 6, *Monitoring Bathing Waters*. (eds.), J., Bartrum and G., Rees, 85-97, E., and F. N., Spon.
22. Williams, A.T., Pond, K., and R., Philipp, 2000. Aesthetic Aspects, Ch.12, *Monitoring Bathing Waters*. (eds.), J., Bartrum and G., Rees, 283-311, E & F N Spon.
23. Williams, A.T., 2002. Coastal Cliff Engineering: Case studies from Wales, UK. (In), *Coastal Engineering*, 6, 44-59, (ed.), Esin Cevik. Tubitak: Turkey Scientific and Technical Research Council. Antalya, Turkey,
24. Williams, A.T., Philipp, R., and K Pond. 2003. Aesthetic issues, Guidelines for Safe Recreational Water Environments, Vol. 1, (In), *Coastal and Fresh Waters*, Chapter 9, 159-167, WHO, Geneva.
25. Williams, A.T., and Pond, K., 2003. Application of guidelines and management options for safe recreational water use, Guidelines for Safe Recreational-water Environments, Vol. 1 (In), *Coastal and Fresh Waters*, Chapter 13, 189-198, WHO, Geneva.
26. Williams A.T., and Alvarez R. A., 2003. Vulnerability assessment as a tool for hazard mitigation, (In), *NATO Science Series, Series IV: Earth and Environmental Sciences, Submarine Landslides and Tsunamis*, Vol. 21 (Editors: A. C., Yalciner, E., Pelinovsky, E., Okal, and C. E., Synolakis), 303-314. Kluwer Academic Publishers, Netherlands.
27. Williams, A.T., Ergin, A., Micallef, A., and M.R., Phillips. 2004. Coastal scenery: an innovative evaluation method for South Wales, UK. (In), *Developing sustainable coasts: connecting science and policy*, (ed.), D R Green, Cambridge Publications, 419-424.
28. Williams, A.T., Gregory, M., and D.T., Tudor. 2005. Marine debris – onshore, offshore, seafloor. *Encyclopaedia of Coastal Processes*, (ed.), M. L Schwartz. 623-628, Springer.
29. Williams, A.T., 2011. Definitions and typologies of coastal tourism destinations, (In), *Disappearing Destinations: Climate change and future challenges for coastal tourism*, (eds.), Andrew Jones and Mike Phillips, 47-66, CABI, UK.
30. Pranzini, E., and A.T., Williams, (eds.), 2013, Preface, (In), *Coastal Erosion and Protection in Europe*, xxiii-xxiv, Routledge/Earthscan publishers, London.
31. Pranzini, E., and A.T., Williams, 2013, Introduction, Chapter 1, (In), Pranzini, E., and A.T., Williams, (eds.), *Coastal Erosion and Protection in Europe*, 1-8, Routledge/Earthscan publishers, London
32. Blott, S.I., Duck, R.W., Phillips' M.R., Pontee; N., Pye, K., and A.T., Williams, 2013. Great Britain, Chapter 10, (In), Pranzini, E., and A.T., Williams, (eds.), *Coastal Erosion and Protection in Europe*, 173-208, Routledge/Earthscan publishers, London.
33. Pranzini, E. Wetzel, L., and A.T., Williams, 2013. Chapter 22, Conclusion, (In), Pranzini, E., and A.T., Williams, (eds.), *Coastal Erosion and Protection in Europe*, Routledge/Earthscan publishers, London, 427-444.
34. Williams, A.T., Pond, K., Ergin, A., and M.J., Cullis, 2013. The hazards of beach litter (in) *Coastal Hazards*, (ed.), Charles Finkl, 553-580, Springer.

## REFEREED JOURNAL PAPERS

1. Williams, A.T. 1971. Beach Morphology and Tidal Cyclic Fluctuations around Hong Kong Island. *Journal of Tropical Geography*, 32, 62-66.
2. Williams, A T. 1971. An Analysis of Some Factors Involved in the Depth of Disturbance of Beach Sand by Waves. *Marine Geology*, 11 (3), 145-158.
3. Williams, A T. 1973. The Changing Economy of Afghanistan. *Oriental Geographer*, XVII (I), 37 40.
4. Williams. A T. 1973. Seasonal Short Term Beach Changes at Repulse Bay, Hong Kong. *Indian Geographical Journal*, XLVIII (I), 10-17.
5. Williams, A T. 1973. Short Term Beach Changes in Hong Kong: the Examples of Stanley and Shek O Bays. *Journal of Tropical Geography*, 36, 66-77.
6. Williams, A.T. 1973. Some Statistical Parameters Obtained from Beach Sediments. *Proceedings of the Geologists' Association*, 84 (I), 9-26.
7. Williams, A T. 1973. The Problem of Beach Cusp Development. *Journal of Sedimentary Petrology*, 43 (3), 857-866.
8. Williams, A T. 1974. Phase Changes in Beach Profiles and Beach Sediments. *Zeitschrift fur Geomorphologie*, 18 (1), 13-34.
9. Williams, A T. 1974. Volumetric Changes in Beach Profiles. *Shore and Beach*, 42 (2), 23 28,
10. Williams, A.T. Ulman, W.J., Brimmer, B., Rounds, R.O., and C., Peters, 1974. A Resource Analysis of Carter Lake, Colorado, USA. *Bulletin of the Ghana Geographical Association*, 16, 1-6.
11. Williams, A T. 1975. Shore Processes in Macro and Micro Tidal Areas, Hong Kong and South Wales. *Cambria*, 2 (2), 127 154,
12. Williams, A T. 1975. Natural Resources and Industry in Modern Society. *The Geographer*, XXII (2), 1-11.
13. Williams, A.T., Leatherman, S.P., and J. S., Fisher. 1976. Size Velocity Relationships for Swash Sediment Transport, Cape Hatteras, USA. *Southeastern Geology*, 17 (4), 231-242.
14. Williams, A T and S P Leatherman. 1977. Lateral Textural Grading in Overwash Sediments. *Earth Surface Processes*, 2 (4), 333-342.
15. Williams, A T., and L.F., 1977. Gulbrandsen. The Orientation of Pebbles on Beaches. *Cambria*, 4 (2), 174 -86.
16. Leatherman, S P., Williams, A T., and J.S., Fisher. 1977. Overwash Sedimentation Associated with a Large Scale Northeaster. *Marine Geology*, 24 (2), 109-122,
17. Williams, A. T., Grant, C.J., and S.P., Leatherman. 1977. Sedimentation Patterns in Repulse Bay, Hong Kong. *Proceedings of the Geologists' Association*, 88 (3), 183-200,
18. Williams, A.T. 1977. Views on the Nature and Philosophy of Modern Geography. *Geography Bulletin*, 14, 38-46.
19. Williams, A T. 1978. Comments on the Teaching of Advanced Level Geomorphology in Developed and Third World Countries. *Journal of Education*, 4 (4), 6-13.
20. Williams, A.T., Gulbrandsen, L.F., and N.E., Caldwell. 1978 .Storm induced Beach Morphological Changes. *Dock and Harbour Authority*, LIX No 690, 11-13.

21. Williams, A.T. 1979. Forms of Beach Erosion and Accretion. *Dock and Harbour Authority*, LX No 703, 46-47.
22. Williams, A.T., and J.W., Howden. 1979. The Search for a Coastal Ethos: A Case Study of one of Great Britain's Heritage Coastlines. *Shore and Beach*, 17-21, July.
23. Leatherman, S.P., and A.T., Williams. 1979. Lamination Sampling Technique for Unconsolidated Sediments. *Maritime Sediments*, 14 (1), 15-16.
24. Williams, A.T. 1979. The New Environmentalism: A Meaningless Epithet. *Journal of Environmental Education*, 10 (4), 4-6,
25. Williams, A.T., and P., Davies. 1980. Man as a Geological Agent: The Sea Cliffs of Llantwit Major, Wales, UK. *Zeitschrift fur Geomorphologie*, 34, 129-141.
26. Williams, A.T., and N. E., Caldwell. 1981. Sediment Disturbance by 'Beach Paddlers' Along the Glamorgan Heritage Coast, UK. *Shore and Beach*, 30-33, April.
27. Williams, A.T., and N. E., Caldwell. 1981. Growing Coastal Problems in Bulgaria. *Geotimes*, 22-26, May.
28. Williams, A.T., Caldwell, N.E and A P Yule. 1981. Beach Morphological Changes at Ynyslas, Dyfed. *Cambria*, 8 (1), 57-69,
29. Caldwell, N.E., Williams, A.T., and G.T., Roberts, 1982. The Swash Force Transducer. *Journal of Sedimentary Petrology* 52 (2), 669-671,
30. Williams, A.T. 1982. The Transport of Sediment Particles in the Swash Zone. *Malaysian Journal of Tropical Geography*, 5, 82-94.
31. Leatherman, S.P., and A.T., Williams. 1983. Vertical Sedimentation Units in Barrier Island Washover Fans. *Earth Surface Processes*, 8 (2), 141-150.
32. Burton, K.W.C., Morgan, E., and A.T., Williams, 1983. Trace Heavy Metals in *Fucus* and *P. Vulgata* Along the Glamorgan Heritage Coast, South Wales. *Water, Air and Soil Pollution*, 19, 377-388.
33. Caldwell, N.E., and A.T., Williams. 1985. The Role of Beach Profile Configuration in the Discrimination between Differing Depositional Environments affecting Coarse Clastic Beaches. *Journal of Coastal Research*, 1 (2), 129-139.
34. Williams, A.T., Evans, N.H., and S.P., Leatherman. 1985. Genesis of Fire Island Foredunes, New York, USA. *Sedimentary Geology*, 42, 201-216.
35. Williams, A.T., 1985. Man's Acceleration of Coastal Zone Processes. *Teaching Geography*, 10 (3), 132 -33.
36. Williams A T., and R.G., Scott. 1985. Discriminant Analyses of some Sedimentary Statistical Parameters Obtained from the Long Island Barrier Chain, New York, USA. *Northeastern Geology*, 7 (1), 37-42.
37. Williams, A T., and P., Morgan, and M C Thomas. 1985. Scanning Electron Microscope Analyses of some Fire Island, Beach and Dune Sediments. *Northeastern Geology*, 7 (1), 43-46.
38. Williams, A.T. 1985. Diurnal Elevation Changes at Two Lantau Island Beaches in Hong Kong. *Journal of Tropical Geography*, 5 (4), 241-247.
39. Williams, A.T., and N. E., Caldwell. 1986. Gravel Beach Profile Characterisation and Discrimination. *Journal of Coastal Research*, 2 (2), 211-212.



40. Williams, A.T., and E. J., Sothern. 1986. Recreational Pressure along the Glamorgan Heritage Coast, Wales, UK. *Shore and Beach*, 54 (1), 30-37,
41. Caldwell, N.E., and A.T., Williams. 1986. Spatial and Seasonal Pebble Beach Profile Characteristics. *Geological Journal*, 21, 127-138.
42. Williams, A.T., 1986. Landscape Aesthetics of the River Wye. *Landscape Research*, 11 (2). 25-30.
43. Williams, A.T. 1986. Small Harbour Problems in Southern China. *Dock and Harbour Authority*, 66 (7), 259-261.
44. Williams, A.T. 1986. Coastal Geology and Heritage Coast Management in South and West Wales. *Thalassas*, 4(1), 109-115.
45. Williams, A.T., Miles, R G., and G., Tough, 1987. Computer Characterisation of Aspects of Grain edge Roughness Using the Scanning Electron Microscope. *Marine Geology*, 74, 291-294.
46. Williams, A.T. 1987. Coastal Conservation Policy Development in England and Wales with special reference to the Heritage Coast concept. *Journal of Coastal Research*, 31 (1), 99-106.
47. Williams, A.T. 1987. A new model for pebble tracer dispersal. *Acta Oceanologica Sinica*, vol. 6 (2), 229-234.
48. Williams, M.J., and A.T., Williams. 1988. The Perception of and Adjustment to Rockfall hazards along the Glamorgan Heritage Coast, Wales, UK. *Ocean & Shoreline Management*, 11, 319 - 339.
49. Williams, A.T., and P., Morgan. 1988. Quartz Grain SEM Analyses of the Beach Dune Interface, Long Island, U.S.A. *Journal of Coastal Research*, 3, 37-45.
50. Williams, A.T., and N.E., Caldwell, 1988. Particle size and shape in pebble beach sedimentation. *Marine Geology*, 82, 199-215.
51. Williams, A.T. 1988. Baking slope slippage. *Geotimes*, 33 (9), 2-3.
52. Williams, A.T. 1988. Costas del Patrimonio: los costas no desarrolladas de Inglaterra y Gales. *Thalassas*, 6, 53-59.
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54. Williams, A.T., 1989. SEM analysis of quartz sand grains from selected Hong Kong and Chinese littoral environments. *Acta Oceanologica Sinica*, 8 (3), 409-422.
55. Williams, A.T., and C.D., Lavalley. 1990. Coastal Landscape Evaluation and Photography. *Journal of Coastal Research*, vol. 6 (1), 1011-1020.
56. Jones, D.G., and A.T., Williams. 1991. Statistical Analysis of factors influencing coastal erosion along a section of the West Wales coast, U.K. *Earth Surface Processes and Landforms*, 16 (2), 95-112.
57. Davies, P., and A T., Williams. 1991. The enigma of the destruction of Colhuw port, Wales. *Geographical Review*, 8 (3), 259-266.
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59. Williams, A.T., and M. J., Williams. 1991. Hazard Awareness at the Glamorgan Heritage Coast, Wales, UK. *Bulletin of Geomorphology*, 19, 41-46.

60. Williams, A.T., 1992. The Quiet Conservators: Heritage Coasts of England and Wales. *Ocean and Coastal Management*, Vol. 17, No. 2, 151-168.
61. Williams, A.T., Jones, T.C., Davies, P., and R C H., Curr. 1992. Psychological Profile of the beach/dune user in South Wales, UK. *Shore and Beach*, 60 (2), 26 – 30.
62. Williams, A.T., and P., Morgan. 1993. SEM analyses of onshore - offshore sediment transport at Fire Island, New York, USA. *Sedimentology*, 40 (1), 63-77.
63. Williams, A.T., and S. P., Leatherman, 1993. Process Form Relationships on USA East Coast Barrier Islands. *Zeitschrift für Geomorphologie*, Vol. 37 (2), 179-197.
64. Williams, A.T., Simmons, S.L., and A., Fricker. 1993. Offshore sinks of marine litter: A new problem. *Marine Pollution Bulletin*, 26 (7), 404-405.
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1. Leatherman, S.P., Zaremba, R., Williams, A.T., and M., Hayes. 1978. *Overwash Processes and Fore-dune Ecology*. National Parks Service, Co-operative Research Unit, University of Massachusetts, Amherst, Mass, USA (Publication Contract No. CX-1600-8-006), 46 pp
2. Williams, A.T. 1979. *Analytical Prediction of Erosion in Micro and Macro Tidal Areas*. Natural Environment Research Council, GR3/3201, 52 pp.
3. Caldwell, N.E., and A. T., Williams. 1983. *The Morphological, Sedimentary and Hydraulic Properties of Two Coarse Clastic Beaches Along the Glamorgan Heritage Coast, South Wales*. Report submitted to the Welsh Office, Cardiff, Vol. I, 365 pages, Vol. II, 550 pps.
4. Williams, A.T., and N. H., Evans. 1983. *Genesis of Fire Island Fore-dunes, New York, U.S.A*. Report submitted to the USA National Seashore, Fire Island, New York, 283 pages.
5. Williams, A.T., and D. G., Jones., 1987. *The stability of coastal cliffs along a section of the Ceredigion Coast*. Report submitted to the Welsh Office, Cardiff, 377 pps.
6. Williams, A.T., and E. J., Sothorn, 1987. *The response of dune vegetation to human trampling and grazing*. Report submitted to the Welsh Office, Cardiff, 166 pp.
7. Williams, A.T., and P. Davies. Coastal sediment sources and sinks along the Bristol Channel, 1988. (In), *The Stability of inter-tidal mud flats and their relation to long term sources and sinks for fine sediment: with particular reference to the Severn Estuary and Bristol Channel*, for the Severn Tidal Power Group, RCL Ltd, 230 pp.
8. Williams, A.T., and M. J., Williams. 1989. *The Perception and Adjustment to rockfall hazards at the Glamorgan Heritage Coast*, Report to the Nature Experience Learning Programme, 248 pp.
9. Jones, D.J., Li, M.F., and A. T., Williams. 1992. *Coastal Cliff stability along the Pembrokeshire Coastal Path*. Report to the Welsh Office, Cardiff, 2 Volumes, 240 pages and 48 pages respectively,
10. Lole, A., and A. T., Williams. 1993. *The performance of combined sewer overflows: the Storm King*, 46 pages, Welsh Water plc, .
11. Lole, A., and A. T., Williams, 1993. *The performance of combined sewer overflows other than the Storm King*, 27 pp, Welsh Water, plc.
12. Earll, R.C., Everard, M., Lowe, N., Pattinson, C., and A.T., Williams. 1996. Editors: *Measuring and managing litter in rivers, estuaries and coastal waters: A guide to methods*, 78pp, R., Earll Ltd.
13. Earll, R.C., Moore, J., Williams, A.T., and D. T., Tudor, 1999. *The measurement of oily waste and garbage disposed of into the marine environment by shipping*. Research project 426. A report to the Maritime and Coastguard Agency, 75pp, Coastal Management for Sustainability Ltd, Kempley, Glos. UK.
14. Williams, A.T. Co-ordinating Editor and author, 2000, *Integrated Dune Management*. Three Volumes of the EC, ELOISE 'DUNES' project, 1996-99. EC, 200 Rue de la Loi, Brussels, Belgium.
15. Earll, R.C., Williams, A.T., and D. T., Tudor, 2000, *Pilot project to establish methodologies and guidelines to identify marine litter from shipping*. A report to the Maritime and Coastguard

- Agency, Research project 470, 89pp, Coastal Management for Sustainability Ltd, Kempsey, Glos. UK.
16. Williams, A.T., and B. Jones. *The state of beaches in Wales with respect to litter*, Welsh Assembly Government, 61pp.
  17. Tudor, D.T., and A.T., Williams, 2001. *Investigation of litter problems in the Severn Estuary/Bristol Channel Area*. Research and Development Technical Report EA-082/TR, Environment Agency, 301pp.
  18. Ergin, A., Micallef, A., and A. T., Williams, 2003. *A pilot study of coastal scenic evaluation: the Dalmatian islands, Croatia*. WWF for Nature, Rome Office, 166pp.
  19. Micallef., A and A.T., Williams. 2003. *Application of a novel bathing area evaluation (BARE) system: a pilot study on selected areas of the Dalmatian coast*. WWF for Nature, Rome Office, 24pp.
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  21. Ergin, A., Williams, A.T., and A., Micallef, 2006 *Tourist guide to the coastal scenery of Gozo*, Malta Tourist Board.
  22. Micallef, A. and A. T., Williams 2006. *The health of Mediterranean beaches*, UNEP, PAPRAC (Split, Croatia), publication. 33pp.
  23. Williams, A.T and A., Ergin. 2006. *Scenery, bathing area registration and evaluation of selected beaches along the coastal province of Nador, Morocco*. Report for the European Union for Coastal Conservation, 44pp.
  24. Micallef., A., Casser, M., and A.T., Williams, 2007. *Proposed beach nourishment project at Bajja Ta'Gorg, San Giljan, Malta, Beach Management for the Mediterranean*. UNEP, PAPRAC, Split, Croatia, 34pp.
  25. Micallef, A., Williams, A.T., and A. Ergin. *Report on the evaluation of bathing area management in the Mediterranean: Spanish pilot study field visit*. PAPRAC, 54pp.
  26. Leyton-Brown, M., Williams, A.T., Morgan, R and M., Connelly. 2008. *A rapid Environmental Impact Assessment of the Grounded Merchant Vessel 'River Princess', Goa, India*, Taj Hotels and Resorts and Palaces Group, India, International Coral Reef Standard Ltd, 137pp.
  27. Williams, A.T., Aminti, P and E., Pranzini., 2009. *Sustainable coastal protection and engineering Project*, Asia Development Bank and Government of India, 42pp.
  28. Phillips, M.R., and A T Williams., 2009. *Seawall-Beach interactions*, Malta Government 54pp.
  29. Marković, M., Micallef, A., Povh, D., and A.T., Williams, 2010. *Održivo upravljanje plazama u Hrvatskoj. Smjernice i prioritetne akcije, (Sustainable beach management in Croatia. Guidelines and priority actions)*, UNDP Programme, Ujedinjenih naroda za razvoj Hrvatska, 166pp, PAPRAC Split.

## OTHER PUBLICATIONS

### Academic

1. A T Williams. Circuit Training and the Intensity of Effort Involved. *Ghana Journal of Education, I(II), 55-64, 1970.*
2. A T Williams. The Mechanics of Sprinting: Faults, Causes and Cures. *Journal of the International Council for Health, Physical Education and Recreation, 3(2), 16-18, 1971.*
3. A T Williams. Decisions in the Future.(In), *Proceedings of the First Environmental Conference '2001: Challenges and Responses'*. The Polytechnic of Wales, 39-41, 1974.
4. A T Williams. The curse of confusion degrades the victims and damns the destroyers. *The Gazette (Glamorgan Polytechnic), Vol. 3(3), 36-38, 1974-75.*

### Novel, short stories, poetry.

1. A T Williams. Oscar's Tale. (In), *Journal of the Dachshund Club of Wales*, p 25-27, 1991.
2. A T Williams. *Hong Kong Nemesis*, Book Guild, Lewes, 182pp, 1992.
3. A T Williams. Nash Point, (In), *Poets in Wales*, (ed.), T Sharp, p90, Arrival Press, Peterborough, UK, 1996. ISBN 1 85786 410 7.
4. A T Williams. Freedom, (In), *The Jewels of Life*, (ed.), Heather Killingray, p97, Poetry Now, Peterborough, UK, 1998. ISBN 0 75430 444 2.
5. A T Williams. Iber, (In), *Poetry in Motion*, (ed.), Terence Troon, p55, The Poetry Guild, Marlborough, Wilts, UK. 1998, ISBN 1 888680-35-0.
6. A T Williams. Sarigerme, Turkey, (In), *Parting Sorrows*, (ed.), Chris Walton, p114, Forward Press, Peterborough, UK, 1998, ISBN 1 86161 254 0.
7. A T Williams. Ukranian Steps, (In), *Love's Requiem*, (ed.), Joanne Baxter. p131, Poetry Now, Remus House, Coltsfoot Drive, Woodston, PE2 9TX, UK., 2000. ISBN 0 76430 810 3.
8. A T Williams. Too Far Away, (In), *Shadows of my Mind*, (ed.), Heather Killingray, p84, Poetry Now, Remus House, Coltsfoot Drive, Woodston, 2001, PE2 9TX, UK. 2000. ISBN 0 75432 5768
9. A T Williams. Continuance. (In), *Tales from Futures Past, A collection of short stories*, (ed.), H Killingray, 64-67, New Fiction, Remus House, Coltsfoot Drive, Woodston, , PE2 9TX, UK 2001.. SB ISBN 1 85929 038.
10. A T Williams. *Ireland Nemesis*, Upfront publishers, Leicester, 313pp, 2003. ISBN 1-84426-245-6
11. A T Williams. My Hero, (in) *All in Time*, (ed.) Sarah Marshall, New Fiction, Remus House, Coltsfoot Drive, Woodston, 2004, 41-44, ISBN 1 85929 089 2
12. A T Williams. Wales. *British Isles Poets*, 2006. (ed.), H Killingray, 348, Anchor Books, 2006, ISBN 1 84418 423 4,

13. A T Williams and I Ozman. *A day at the beach with Jack, Jill, Sammy and friends*. The Council of Europe, EUR-OPA Major Hazards agreement (children's book) ISBN-13: 978-92-95056-00-8, 2006 (English, French, Maltese, Turkish, German, Arabic and Spanish)
14. A.T., Williams, *The Glamorgan Coast*, (In), *Wales poets*, (ed.), Lynsey Hawkins, p82, Forward press, Peterborough, UK, 2006.
15. A T Williams and I Ozman,, *A day at the beach with Jack, Jill, Peter and their friends*, Council of Europe, EUR-OPA Major Hazards agreement (children's book) 2007 (translated into 7 languages)

### **SOME CONSULTANCIES**

**PROJECT NAME:** Coastal Project, Univ. Massachusetts, Amherst, Mass,

FROM: 1978, 1980, 1982 = summer time for all

EMPLOYER: USA National Park Service, Boston,

POSITION HELD: Senior scientist

DESCRIPTION OF DUTIES: Assessing effects of vehicles on beaches at Fire Island, bluff erosion at Cape Cod.

**PROJECT NAME:** Rockfalls along the South Wales, UK coast

FROM: 1980-84

EMPLOYER: Welsh Office, Cardiff, UK

POSITION HELD: Head

DESCRIPTION OF DUTIES: Analysis of rockfall mechanisms and failures, wave climatology.

**PROJECT NAME:** Coastal processes along the Glamorgan Heritage Coast. UK

FROM: 1980-83

EMPLOYER: Countryside Commission

POSITION HELD: Head

DESCRIPTION OF DUTIES: Monitoring and modelling coastal processes, developing new instrumentation (e.g. dynamometer to measure pebble forces against a cliff face).

**PROJECT NAME:** Sediment input into the Severn Estuary

FROM: 1980-1990

EMPLOYER: Severn Estuary Tidal Power Group.

POSITION HELD: Section Head

DESCRIPTION OF DUTIES: Head of one of the teams associated with an analysis of the Severn estuary re a tidal barrage for electricity generation.

**PROJECT NAME:** Cliff safety along the Pembrokeshire Coast National Park footpath

FROM: 1984-98

EMPLOYER: Welsh Office, Cardiff, UK

POSITION HELD: Head

DESCRIPTION OF DUTIES: Mapping of the coastal footpath (250 miles) with respect to rockfalls and subsequent safety factor analysis.

**PROJECT NAME:** Assessment of coastal problems in the region

FROM: 1985 summer

EMPLOYER: Local Council, Gaungzhou County, China

POSITION HELD: Advisor

DESCRIPTION OF DUTIES: Giving advice on coastal erosion problems and engineering solutions.

**PROJECT NAME:** Bathing Water Quality

FROM: 1990 summer

EMPLOYER: World Health Organization, Rome

POSITION HELD: Advisor, to edit a book (above)

DESCRIPTION OF DUTIES: The brief was insertion of ICZM matters into all book chapters.

**PROJECT NAME:** Beach Litter sourcing

FROM: 1992-1996

EMPLOYER: UK Environment Agency

POSITION HELD: Head

DESCRIPTION OF DUTIES: Investigation of where beach litter originates.

**PROJECT NAME:** GIS analysis of Turkish beaches

FROM: 1993-94

EMPLOYER: British Council, Ankara, Turkey

POSITION HELD: Co-leader with Prof Erdal Ozhan

DESCRIPTION OF DUTIES: Placing beach factors into a GIS on Olu Deniz beach, Turkey for tourism purposes.

**PROJECT NAME:** Insertion of coastal structures along the north Wales coastline, UK.

FROM: 1996 winter/spring

EMPLOYER: Robert West and partners

POSITION HELD: External consultant

DESCRIPTION OF DUTIES: vetting coastal plans (geological, models and structures) along a very large stretch of coast.

**PROJECT NAME:** DUNES

FROM:1998-2001

EMPLOYER: European Commission ELOISE project

POSITION HELD: Project Co-ordinator

DESCRIPTION OF DUTIES: In charge of developing a dune vulnerability assessment project with colleagues from UK, France, Portugal, Spain and Greece, for utilisation in Europe. In charge of all aspects- financial, hiring, project aims and objectives, etc. In charge of geological, biological, social aspects.

**PROJECT NAME:** Analysing coastal scenery via fuzzy logic mathematics

FROM: 2000-2004

EMPLOYER: British Council, Ankara, Turkey

POSITION HELD: Co leader with Prof Aysen Ergin

DESCRIPTION OF DUTIES: Developing a new methodology for assessing coastal scenery

**PROJECT NAME:** Preferences and Priorities of beach users.

FROM: 2002-2005

EMPLOYER: UK Environment Agency

POSITION HELD: Head

DESCRIPTION OF DUTIES: as the project name and relating to Wales and the Severn area.

**PROJECT NAME:** Tourist assessment via BARE along the Croatian Coast

FROM: 2003-2005 autumn

EMPLOYER: Priority Action Programmes Regional advisory Centre, Split, Croatia

POSITION HELD: Co-leader with Dr Anton Micallef and Ms M. Radic

DESCRIPTION OF DUTIES: mapping bathing areas along the Croatian coastline and advising re tourist centres. As added value, all coastal scenery was assessed.

**PROJECT NAME:** Scarweather offshore wind Farm, Wales, UK

FROM: 2005 - autumn

EMPLOYER: Hyder Engineering

POSITION HELD: Consultant on the whole offshore wind farm proposal

DESCRIPTION OF DUTIES: Vetting the entire proposal pre presentation (i,e, models structures, wave climatology, biology, social).



**PROJECT NAME:** South Wales Heritage Park coastal route, UK

FROM: 2005 summer

EMPLOYER: Wardell-Armstrong and Partners

POSITION HELD: Head of team

DESCRIPTION OF DUTIES: analysing and suggesting the route and advising re coastal processes encountered especially with respect to coastal dunes, engineering aspects.

**PROJECT NAME:** Coastal assessment of the Nador region, Morocco

FROM: 2006 summer

EMPLOYER: European Union for Coastal Conservation

POSITION HELD: Head of team

DESCRIPTION OF DUTIES: analysing and suggesting promotion of the region for tourism. It involved analysis of wave climatology, geology, biology and social needs.

**PROJECT NAME:** Analysis of the southern Sicilian coast by the BARE bathing area management system

FROM: 2008 spring

EMPLOYER: County Council, Sicily

POSITION HELD: co leader with Dr. Anton Micallef

DESCRIPTION OF DUTIES: mapping the coastline for tourism purposes

**PROJECT NAME:** Environmental Impact Assessment of the Grounded Merchant Vessel River Princess.  
Goa, India

FROM: 2008 summer

EMPLOYER: International Coral Reef Organisation

POSITION HELD: Head of team

DESCRIPTION OF DUTIES: Assessment of coastal problems associated with Taj hotels group, Goa, India.

**PROJECT NAME:** TA 4965-IND.Sustainable coastal protection and management.

FROM: 2009 winter

EMPLOYER: Asia Development Bank. Philippines

POSITION HELD: Head of team

DESCRIPTION OF DUTIES: Assessment of four coastal areas (Colva Coco Ullal and Myra bays), Goa, India.

**PROJECT NAME:** Seawall / beach interactions

FROM: June-September, 2009

EMPLOYER: Malta Government

POSITION: Co leader

DESCRIPTION OF DUTIES: Analysis of Seawall:Beach interactions at Ghadira Bay, with a view to seawall removal and nourishment of the dune and beach.

**PROJECT NAME:** Guidelines and priority actions for sustainable beach management in Croatia, Contract No. 18/09 (Project No. 00050301, 'Conservation and Sustainable Use of Biodiversity in the Dalmatian Coast through Greening Coastal Development – COAST'). Naručitelj: Program Ujedinjenih naroda za razvoj, Zagreb, Croatia.

FROM: 2010, spring

EMPLOYER: Priority Action Programme, Regional Activity Centre, Mediterranean Action Plan Split, Croatia

POSITION HELD: Joint head of team

DESCRIPTION OF DUTIES: Writing a textbook relating to sustainable beach management in the Mediterranean.

#### **CONFERENCE AND SEMINAR PAPERS PRESENTED:**

'The physics of glaciers;. Seminar, Boulder, Univ. of Colorado, USA. Jan. 1968.

'The Nature and Physical Properties of Soils'. Physical Geography Conference. Hong Kong Education Department, Hong Kong. June, 1969.

'Decisions in the Future'. Symposium, 2001 Challenges and Responses. The Polytechnic of Wales, Pontypridd. March, 1974. Conference Secretary.

'Sediment Statistics, their Uses and Limitations'. University of Kiel, Germany. June, 1974.

'The Economic Aspects of Natural Resource Depletion'. University of Virginia, Virginia, USA. December, 1974.

'The New Environmentalism - A Meaningless Epithet'. Annual Meeting of the Association of American Geographers, Milwaukee, USA, April, 1975.

'The Volta River Project, Ghana'. Kansas State University, Manhattan, Kansas, USA. April, 1975.

'Beach Processes in Micro Tidal Areas'. Microscale Circulation of Waters. Virginia Academy of Science, Harrisonburg, Virginia, USA. May, 1975.

'Overwash Sedimentation'. Virginia Institute of Marine Science, Gloucester Point, Virginia, USA. May, 1975.

'The Role of Geography as a Result of Mergers Between Polytechnics and Colleges of Education: the Welsh Experience'. National Conference on Geography in Higher Education, Oxford. September, 1975.

'The Dynamics of Overwash Sedimentation'. University of Keele, Keele, Staffs. February, 1976.

'Overwash Sedimentation and Hydraulics'. 'Geomorphology: Present Problems and Future Aspects'. British Geomorphological Research Group, King's College, London. April, 1976.

'Sedimentation in a Barrier Island Overwash Fan'. Marine Studies Group, Geological Society of London, Burlington House, London. May, 1976.

'Public versus Private Land Policies in Colorado'. Colorado Land Use Commission, Denver, Colorado, USA. August 1976.

'Overwash Processes'. Geografisk Institute, University of Copenhagen, Copenhagen, Denmark. January, 1977.

'Beach and Nearshore Research'. First Workshop of a Small Study Group in Nearshore Dynamics. The Polytechnic of Wales, Pontypridd. April, 1977. Organiser.

'The Mineralogy of Overwash Sedimentation Deposits'. Marine Studies Symposium, Gregynnog House, Welshpool. September, 1977.

'Barrier Island Processes'. Marine Studies Group. Geological Society of London, Burlington House, London. November, 1977.

'Overwash Processes'. Endeavour Society Lecture. University College of North Wales, Bangor. February, 1978.

'Man as a Geological Agent: A Case Study of the Cliffs of Llantwit Major, Wales, UK'. International Geographical Union (Coastal Section), New Orleans, USA. April, 1978.

'The Search for a Coastal Ethos: A Case Study of One of Great Britain's Heritage Coastlines. Annual Meeting of the Association of American Geographers, New Orleans, USA. April, 1978.

'Barrier Island Sedimentation'. Annual Meeting of the British Geomorphological Research Group. Lanchester Polytechnic, Coventry. November, 1978.

'Overwash Processes'. Bulgarian Academy of Sciences, Sophia, Bulgaria. May, 1979.

'Problems in Cliff Stability'. Marine Studies Institute, Varna, Bulgaria. June, 1979.

'Coastal Research'. Mid Glamorgan Geography Teacher's Association, Cardiff. June, 1979.

'Coastal Research and Management, USA'. Plymouth Polytechnic, Plymouth. November, 1979.

'Glamorgan Heritage Coast Beach Processes'. British Sedimentological Research Group, University College, Swansea. December, 1979.

'Dune Processes at Fire Island, New York'. British Sedimentological Research Group, University College, Swansea. December, 1979.

'Overwash Processes, USA'. British Sedimentological Research Group, University College, Swansea. December, 1979.

'Man and Dunes'. British Association for the Advancement of Science, Cardiff. April, 1980.

'Profiles, Pebbles and Tracers'. American Association of Geographers, Louisville, Kentucky, USA. April, 1980.

'Techniques for Differentiating Sedimentary Environments', Marine Science Institute, Varna, Bulgaria. September, 1980.,

Sixth Europe-Danube Conference of Rock Mechanics and Foundation Engineering, Druzba, Bulgaria. September, 1980. Delegate.

'Coastal Processes Along the Glamorgan Heritage Coast'. Marine Science Institute, Rutgers University, New Jersey, USA. September, 1980.

'Dune Processes at Fire Island'. Fire Island National Seashore, Patchogue, Long Island, New York, USA. April, 1981.

'Beaches of the World'. Yale University, Newhaven, Conn, USA. April, 1981.

'Man as a Geological Agent with Respect to Coasts'. Coastal Research Meeting, Mid Glamorgan Teachers, The Polytechnic of Wales, Pontypridd. April, 1981. Organiser.

'People Pressure on Dunes'. Welsh Office, Cardiff. October, 1981.

'Barrier Island Genesis'. South-East Wales Geographical Association. November, 1981.

'The Glamorgan Heritage Coast'. Geography Department, University of Maryland, College Park, Md, USA. March, 1982.

'Genesis of Fire Island Foredunes'. American Geological Society Annual General Meeting, Washington, DC, USA. April, 1982.

'Fire Island Dunes'. Eleventh Meeting, International Association of Sedimentologists, Hamilton, Ontario, Canada. August, 1982.

'The Differentiation of Sedimentary Environments'. Seminar Series, University of Maryland, Md, USA. August, 1982.

'The Sediment Budget at Fire Island, USA'. British Geomorphological Research Group, Birmingham. September, 1982.

'Techniques of Beach-Dune Analysis'. Third Anglo-Bulgarian Geography Meeting, Lancaster University, Lancaster. August, 1983.

'The Mechanics of Cliff Failure Along the Glamorgan Heritage Coast'. Welsh Office Seminar, Cardiff, Wales. October, 1983.

'Dune Genesis'. British Geomorphological Research Group Meeting, Institute of British Geographers, Durham University, Durham. January, 1984.

'Cliff Failures Along the Glamorgan Heritage Coast, Wales, UK'. 'Mouvements de Terrain', International Meeting of the French Association of Phys, Geog and Commissary for the Study and Prevention of Major Natural Hazards, Caen, France. March, 1984.

'Instability in the Glacial Tills of Western Llyn, North Wales'. 'Mouvements de Terrain', International Meeting of the French Association of Phys, Geog and Commissary for the Study and Prevention of Major Natural Hazards, Caen, France. March, 1984.

'The Social Aspects of Cliff Falls Along the Glamorgan Heritage Coast, UK: "Is Sex a Stronger Drive than Safety ?"'. 'Mouvements de Terrain', International Meeting of the French Association of Phys, Geog and Commissary for the Study and Prevention of Major Natural Hazards, Caen, France. March 1984.

'Sand Dunes - Trampling and Rabbit Grazing'. Sand Dunes and Sand-Dune Management Conference, Nature Conservancy Council, University College, Swansea. September, 1984.

'The Overwash-Inlet Controversy'. Seminar Series in Geography and Geology, University College, Swansea. November, 1984.

'Recreation and Ecology on a Sand-Dune System'. Coastal Society Meeting, Atlantic City, New Jersey, USA. November, 1984.

'Coastal Management in Britain'. UWIST, Cardiff, Wales. February, 1985.

Lecture Series in China, organised by The Royal Society of London and The China Association of Science and Technology:

- (i) 'Barrier Island Processes'. Institute of Geography. Guangzhou, China. March, 1985.
- (ii) 'Coastal Research Policy in Britain'. Institute of Oceanography. Academia Sinica, Guangzhou, China. March, 1985.
- (iii) 'The Genesis of Barrier Islands'. Society for Oceanography and Limnology, Shanghai, China. April, 1985.
- (iv) 'Overwash and Inlet Processes in Barrier Islands'. East China Normal University, Shanghai, China. April, 1985.
- (v) Lecture Series given at The First Institute of Oceanography. National Oceanographic Bureau, Tsingdao, China. April, 1985:
  - (a) 'Overwash-Inlet Processes on Barrier Islands'.
  - (b) 'Sediment Grading'.
  - (c) 'New Techniques in Granulometric Analyses'.
  - (d) 'The Mechanisms Involved in Cliff Failures'.
  - (e) 'A Philosophy of Coastal Conservation'.
  - (f) 'New Models in Beach Tracer Studies'.
  - (g) 'Coastal Protection in Great Britain'.
  - (h) 'Coastal Research Funding in Great Britain'.
- (vi) 'Coastal Research in Great Britain'. Shandong College of Oceanography, Tsingdao, China. April 1985.
- (vii) 'Coastal Protection: Britain'. National Oceanographic Bureau, Tsingdao, China. April 1985.

(viii) 'New Statistical Techniques in Coastal Geomorphology'. Geography Department, Beijing University, China. April, 1985.

(ix) 'The Evolution of Barrier Islands'. Institute of Geology, Beijing, China. April, 1985.

(x) 'Coastal Management'. South Island College, Hong Kong. April, 1985.

'Innovative Management in a Period of Austerity: The Glamorgan Heritage Coast Experience in the United Kingdom'. The Fourth Symposium on Coastal and Ocean Management, Coastal Zone 1985, Baltimore, Maryland, USA. August, 1985.

'A New Approach to Coastal Management: Britain's Heritage of Coastlines'. The Fourth Symposium on Coastal and Ocean Management, Coastal Zone 1985, Baltimore, Maryland, USA. August, 1985.

'Coastal Management'. Luk Feng County Council, Dong Hei, Luk Feng County, Guangdong Province, China. August, 1985.

'Coastal Protection in the UK'. Luk Feng County Council, Dong Hei, Luk Feng County, Guangdong Province, China. August, 1985.

'Cave Development in Lower Lias Coastal Cliffs, The Glamorgan Heritage Coast, Wales, UK'. Orkustofnun National Energy Authority, Iceland Coastal and River Symposium, Reykjavik, Iceland. September 1985.

'Coastal Management'. Geography Department, University of Maryland, College Park, Maryland, USA. September, 1985.

'Coastal Changes in Wales'. Geography Department, University of Maryland, College Park, Maryland, USA. September, 1985.

'Particle Size and Shape in Pebble Beach Sedimentation'. First International Conference on Geomorphology, British Geomorphological Research Group, Manchester. September, 1985.

'Coastal Management'. Maritime Studies Department, UWIST, Cardiff. January, 1986.

'Barrier Island Environmental Discrimination'. Geography Department, College of Higher Education, Bath, Avon. February, 1986.

'Barrier Islands'. Geography and Geology Seminar, University of Reading, Reading, Berks. March, 1986.

'Coastal Geology and the Welsh Heritage Experience: Man's Impact on the Coastal Environment'. International Coastal Commission Symposium, Barcelona, Spain. September, 1986.

'The History of Coastal Management in the UK'. Maritime Studies Department, UWIST, Cardiff. January, 1987.

'The Beach-Dune Interaction'. University of Keele, Keele. March, 1987.

'Environmental Discrimination of Barrier Island Sediments via the SEM'. Geological Society of America Meeting, South-East Section, Norfolk, Va., USA. March, 1987.

'SEM Analysis of Long Island Barrier Sediments'. Annual Meeting, American Association of Geographers, Portland, Oregon, USA. April, 1987.

'Environmental Pressures of Seashore Recreation'. Marine Conservation Society, London, UK. April, 1987.

'Rates and Mechanism of Coastal Cliff Erosion in Lower Lias Rocks'. Coastal Sediments '87, ASCE, New Orleans, USA. May, 1987.

'Recreation along the Merthyr Mawr dune system, South Wales'. Perspectives in dune coastal management towards a dynamic approach. Stichting Duinbehoud, Leiden, Netherlands. September, 1987.

'Perception of Adjustment to Rockfall Hazards along the Glamorgan Heritage Coast'. Coping with Recreation and Conservation in the Coastal Zone. International Geographical Union Commission on the Coastal Environment. London, UK. September, 1987.

'Geomorphology and Coastline Management'. Geography Department, University of Keele, Keele, N Staffs. November, 1987.

'Anthropogenic response to rock mass instability in coastal south-east Wales'. 1st International Conference on Geohydrology, EMCWP. Florence, Italy. December, 1987.

'The Engineering Geology of the Lower Lias, South Wales'. Engineering Geology Society of Roumania, Bucharest, Roumania. March, 1988.

'Beaches and Dunes'. Geology Department Seminar. University of Bucharest, Roumania. April, 1988.

'The rockfall hazard perception'. Geography/Geology Seminar. University College, Swansea. November, 1988.

'Pebble beaches and beach sedimentation'. The engineering geology of beaches and coasts. Colloquium, University College, Cardiff, Wales. March, 1989.



'Solid geology sediment sources and sinks in the Severn Estuary'. The engineering geology of beaches and coasts. Colloquium, University College, Cardiff, Wales. March, 1989.

'Rockslides on the Ceredigion Heritage Coast'. The engineering geology of beaches and coasts. Colloquium, University College, Cardiff, Wales. March, 1989.

'Trampling and vegetation responses on sand dunes'. The European Union for Dune Conservation and Coastal Management. Coastal Dune Congress, Seville, Spain. March, 1989.

'Fire Island Foredunes, New York'. Dunes 1989 Meeting, Koch Namib Research Foundation, Swakopmund, Namibia. August, 1989.

'U.K. Coastal Management'. Dunes 1989 Meeting, Koch Namib Research Foundation, Swakopmund, Namibia. August, 1989.

'Rockfalls'. Oceanography Department Seminar, University of Cape Town, Cape Town, South Africa. August, 1989.

'The U.K. Heritage Coast Concept of Management'. Geology Department Seminar, University of Port Elizabeth, Port Elizabeth, South Africa. August, 1989.

'Cliff Recession and Rock Mass Instability'. Geology Department Seminar, University of Port Elizabeth, Port Elizabeth, South Africa. August, 1989.

'Solid Geology, Sediment Sources and Sinks in the Intertidal Zone, Severn Estuary. Estuaries and Coasts: Spatial and Temporal Comparisons", Caen, France. September, 1989.

'The Perception of the Coastal Rock Fall Hazard. Estuaries and Coasts: Spatial and Temporal Comparisons", Caen, France. September, 1989.

'Computerised Quartz Grain Imagery and the S.E.M'. Annual Meeting, British Geomorphological Research Group, Cardiff, Wales. September, 1989.

'Rockfall Hazards'. Annual Meeting, British Geomorphological Research Group, Cardiff, Wales. September, 1989.

'Management Strategies on the Glamorgan Heritage Coast'. Cadbury College, Birmingham. November, 1989.

'The Management of Hazards'. Geographical Association (Swansea Branch), Swansea Wales, November, 1989.

'Beaches'. Inaugural Professorial Lecture. The Polytechnic of Wales. February, 1990.

'Coastal cliff protection measures in South Wales, U.K'. Littoral Zone, 1990. Marseilles, France, July, 1990.

'Texture and shape discrimination of quartz grains from nearshore sedimentary environments using image processing techniques'. Littoral Zone, 1990. Marseilles, France, July, 1990.

'Texture and shape discrimination of quartz grains using scanning electron microscopy'. Transgressive Coasts: Studies and Economic Development, Baku, USSR, September, 1990.

'Global Warming and Sea Level Rise : A View from the Beach': Coastal Protection. Planning, Research and Computational Group Meeting, Imperial College, London, March, 1991.

'The Perception of Rockfall Hazards': International Conference on Geomorphology, Ankara, Turkey, May, 1991.

'The stability of steep cliff evaluations in fractured rocks by simulation methods'. XVI Congress of the American-Roumanian Academy of Sciences, Bucharest, Roumania, June 1991.

'Coastal Cliff Erosional Processes in Ceredigion, West Wales, UK.' Coastal Sediments '91: Symposium on Quantitative Approaches to Coastal Sediment Processes, Seattle, Washington, U.S.A., June, 1991.

'Numerical Modelling of Lower Lias Rock Failures in the Coastal Cliffs of South Wales, U.K'. Symposium on Quantitative Approaches to Coastal Sediment Processes, Seattle, Washington, U.S.A., June, 1991.

'Recession of the Littoral Zone Cliffs of the Bristol Channel, U.K'. Coastal Zone '91, Long Beach, California, U.S.A., July, 1991.

'The Perceived Effectiveness of Coastal Warning Signs', Coastal Zone '91, Long Beach, California, U.S.A., July, 1991.

'La gestion des milieux dunaires littoraux'. Coastal Protection, sponsored by the BRGM, Nantes, France, October, 1991.

'The Heritage Coast Concept in England and Wales'. Seminar given at the Middle East Technical University, Ankara, Turkey, March, 1992.

'Coastal Conservation in the UK'. Ist National Institute of Oceanography, Qingdao, China, April, 1992.

'Coastal Conservation in England and Wales : the Heritage Coast Concept. 'Department of Conservation and Environment, Melbourne, Australia, July, 1992.

'Coastal Hazards'. Department of Conservation and Environment, Melbourne, Australia, July, 1992.

'Coastal Planning in Britain'. Department of Environment and Planning, Adelaide, Australia, July, 1992.

'Coastal Conservation in Britain'. Centre for Resource and Environmental Studies, Australian National University, Canberra, Australia, July, 1992.

'Coastal Conservation in Britain'. Geography Department, University of Wellington, New Zealand, August, 1992.

'Coastal Conservation in Britain'. Department of Conservation, Wellington, New Zealand, August, 1992.

'Persistent Marine Debris along the Glamorgan Heritage Coast, Wales, UK'. GeoCoast International Coastal Congress, Kiel, Germany, September, 1992.

'Beach Aesthetics: the South - West Peninsula, UK'. GeoCoast International Coastal Congress, Kiel, Germany, September, 1992.

'Environmental Impact of Beach Litter and Beach Litter Clearance'. Litter on Undeveloped Coasts : Prevention and Cure. The Tidy Britain Group & Heritage Coast Forum; Ipswich, November, 1992.

'Beach Management on Undeveloped Coasts'. Integrating Tourism, Recreation and Coastal Conservation: Coastal Heritage '93. Heritage Coast Forum & the Countryside Commission, Eastbourne, March, 1993.

'Marine and Riverine Litter'. Coastal Problems: Towards Integrated Solutions. Eurocoast UK Conference, Royal Geographical Society, Kensington Gore, London, May 1993.

'Models of Marine and Riverine Litter'. Ministry of Agriculture Food and Fisheries, Burnham, Essex, July 1993.

'Offshore Marine Litter at Swansea Bay, Wales, UK'. Coastal Zone 1993, New Orleans USA, July 1993.

'A checklist approach of Dune Vulnerability and Protection in Devon and Cornwall, UK'. Coastal Zone 1993, New Orleans USA, July 1993.

'An approach to coastal dune management: The North and West Coastline of France'. MedCoast 93, Antalya, Turkey, November 1993.

'A psychological approach to attitudes and perceptions of beach users: Implications for coastal zone management'. MedCoast 93, Antalya, Turkey, November 1993.

'Sewage related debris'. Marine Environmental Management. Review of 1993 and Future Trends. Baden Powell House, London, January 1994.

'Rates and Mechanisms of coastal cliff erosion in South Wales'. Institute of Geosciences, Tsukuba University, Ibaraki, Japan, April, 1994.

'A New Model for Coastal Cliff Failure'. Kiangi Geomorphological Research Group, Osaka University, Osaka, Japan. April, 1994.

MEDCAMPUS 1994. A series of lectures on the theme of Coastal Zone Management. The programme was a 4 week residential post-graduate level course, held at METU, Ankara, Turkey, August, 1994. Lectures given were:

- a) Coastal zone management of hard rock coasts.
- b) Wetlands.
- c) Beach aesthetics, ratings and management.
- d) Coastal conservation in Great Britain.
- e) Marine Litter.
- f) Decision making in coastal zone management.
- g) Sea Level Rise

'Dune Vulnerability and Management : Portugal and North West Europe'. Littoral 94, Lisbon, Portugal, October, 1994.

'A re-evaluation of dune checklist vulnerability parameters'. Atlantic Iberian Continental Margin Conference, Lisbon, December, 1994.

'Sources and Sinks of Litter'. Coastal and Riverine Litter; Impacts and Effective Solutions, Baden Powell House, London, December, 1994.

'Aspects of physical and cultural parameters associated with coastal zone management along the Ceredigion Heritage Coast', Bordomer Conference, Bordeaux, France, February, 1995.

'Beach Management Guidelines: Dimensional Analysis'. ICSC- World Laboratory Project LAND-3. Beach Management Workshop, Erice, Sicily, Italy, April, 1995.

'Beach User's Perception and the Rating of Beaches', ICSC- World Laboratory Project, LAND-3, Beach Management Workshop, Erice, Sicily, Italy, April, 1995.

'Socio-Demographic Parameters and User Priorities at Gower beaches, U.K.' EUCC Conference, Swansea, UK. July, 1995.

'Coastal Planning and Policies: Some conservation aspects in Australia and New Zealand'. EUCC Conference, Swansea, UK. July, 1995.

MEDCAMPUS 95. A series of lectures on the theme of Coastal Zone Management. The programme was a three week residential post graduate course held at METU, Ankara Turkey, August, 1995. Lectures given were :

- a) Coastal Zone Management on hard rock and wetland coasts.
- b) The rating of beaches.
- c) Sea Level Rise and Global Warming.
- d) Coastal Users and Problems in the Mediterranean.

'Beach user opinions: a pilot study on the Turkish Aegean coast', MedCoast '95, Tarragona, Spain, October, 1995.

'Persistent marine debris in the summer tourist season along the west coast of Evia. Greece'. MedCoast '95, Tarragona, Spain, October, 1995.

Coastal Zone Management in the Mediterranean and the Black Sea; a MedCampus short post- graduate course, Tarragona, Spain, October, 1995. Lectures given were:

- a) Beach aesthetics and ratings.
- b) Beach Management.
- c) Sea Level Rise.
- d) Salt marsh ecology and sedimentation

Second International Training Programme on : 'Beach Management in the Mediterranean and the Black Sea'. Malta, 11-17 May, 1996. Course Director. Lectures given were:

- a) Beach Management Guidelines.
- b) Litter.

'Litter', Bath Spa University, Bath, Avon, May, 1996.

'Sewage', Coastal and Marine Pollution: Solutions and Action. EUCC and ECOTOP Conference, Lille, France, June, 1996.

'Coastal cliff failures at Colhuw beach, Wales, UK'. Coastal Environments, Federal University of Rio de Janeiro & Wessex Institute of Technology, Rio de Janeiro, Brazil, August, 1996.

'Dune vulnerability and Management in England'. Eurocoast, Littoral 96, Portsmouth, UK., September, 1996.

'Beach user preferences and priorities in south west Wales, UK'. Eurocoast, Littoral 96, Portsmouth, UK. September, 1996.

Chairman, 'Marine Environmental Management: Review of Events', Baden Powell House, London, November, 1996.

Chairman, 'Marine Litter Problems and Solutions, SOAS, London, February, 1997.

Rapporteur 'Sea Level Rise Research in Europe: State of the Art and Future Needs', EU invite only meeting, Mataran (Barcelona), Spain, April, 1997.

'Colour infrared aerial digital photography in coastal zone dune management.' First Annual ELOISE scientific conference, Arcachon, France, May, 1997.

'Beach Management Guidelines: Dimensional Analysis', European Union for Coastal Conservation, Naples, Italy, June, 1997.

'River Landscape Evaluation and CZM: the River Severn', UK. European Union for Coastal Conservation, Naples, Italy, June, 1997.

'Quality of Waters in the Coastal Zone: A European and Regional Perspective'. European Union for Coastal Conservation, Naples, Italy, June, 1997.

'Sewage: some Causes and Solutions'. Water Pollution '97. Bled, Slovenia, June, 1997.

'Bathing Water Quality and Health Implications' Water Pollution '97. Bled, Slovenia, June, 1997.

Series of lectures given for a Coastal Zone Management post graduate short course, Varna, Bulgaria, July, 1997.

'Litter'

'Beach Management Guidelines'

'The 'rating' of beaches'.

'Colour infrared aerial digital photography in coastal zone dune management.' Coastal Zone 97. Charting the future of Coastal Zone Management, Boston, USA, July, 1997.

'Innovative Integrated Dune Management'. EUCC European Seminar on Coastal Dunes, Skagen, Denmark, August, 1997.

Invited Guest and Facilitator, 'Religion, Science and the Environment', Symposium 11: The Black Sea in Crisis. This was an 8 day working cruise around the Black Sea under the auspices of His All Holiness the Ecumenical Patriarch Bartholomew 1 and His Excellency Jacques Santer. Some 250 invited participants met in workshop fora and discussed the implications and main elements of the workshop theme. European Union Funded.

'Qualitative vs. Quantitative litter measurement', MedCoast, Malta, November, 1997.

'Aquatic litter. Management and prevention - the Role of Measurement'. MedCoast, Malta, November, 1997.

'A new approach to litter measurement'. Aquatic litter Conference, Baden Powell House, London, December, 1997.

'Innovative Dune Management'. Middle East Technical University, Ankara, Turkey, Feb. 1998.

'Coastal Zone Management', Middle East Technical University, Ankara, Turkey, Feb. 1998.

'Litter methodology', Beach Litter Management' North Cornwall District Council, Newquay, UK, March, 1998.

Chair and presenter 'Coastal Aesthetics', World Health Organisation, Four day Workshop - 'The Safe Use of Recreational Waters', Farnham, Hants., March, 1998.

'Coastal recession and the reliability of planned engineering responses', International Coastal Symposium, CERF, West Palm Beach, Florida, USA, May, 1998.

Series of Post-Graduate Lectures given at MedCoast '98, Ankara, Turkey:

'Beach Litter'

'Beach Management'

'Team work in Coastal Zone Management'

'Beach Awards and Management'.

'SEM analyses of grain shape variation along Long Island, New York, USA', Littoral '98, Barcelona, Spain, September, 1998.

'Monitoring Change In Coastal Dune Ecosystems', EUCC International Conference, Dunes of the Atlantic Bio-geographical Region, Southport, England, September, 1998.

'Beach Litter'. Institute of Petroleum, South Wales Branch, Haverfordwest, Pembrokeshire, Oct. 1998.

'Conservation: the Heritage Coast philosophy in the UK', Gazi University, Ankara, Turkey, Feb. 1999.

'A reliability based breakwater design model: a case study in Turkey,' Fifth International Conference on Coastal and Port Engineering in Developing Countries (COPADEC V), Cape Town, South Africa, April, 1999.

'Coastal Revetment Risk Assessment Models', ISOPE '99, International Society of Offshore and Polar Engineers, Brest, France, June 1999.

International Post-Graduate Training Programme, 'Beach Management in the Mediterranean and the Black Sea', Euro -Centre on Insular Coastal Dynamics, International Foundation Study Centre, University of Malta, St John Street, Valetta, Malta. July, 1999. Lectures given:

'Litter'

'Beach Aesthetics and Flag Awards'

'Environmental Risk Assessment Techniques'

'Beach Management'.

International Post-Graduate Training Programme, 'Coastal Zone Management in the Mediterranean and the Black Sea', MedCoast programme, Ankara, Turkey, August-Sept 1999. Lectures given on:

'Litter'

'Beach Awards Schemes'

'Beach Management Guidelines'

'Risk Assessment'

'Beach visits and Willingness to Pay: the Cesme Peninsula, Turkey', Joint MedCoast-EMECS Joint Conference, Antalya, Turkey, Nov, 1999.

'Reliability-Based Risk Assessment in Project Management of Coastal Structures.' ISOPE 2000, Seattle, USA, May, 2000.

'Litter', Cardiff University, Cardiff, UK, March, 2001.

'Research Methodologies', Southampton Solent University, Southampton, UK, April, 2001.

'Reliability based risk assessment of rubble mound breakwaters under tsunami attack.' 'Underwater ground failures in tsunami generation modelling, risk and mitigation', NATO Advanced Research Workshop, Istanbul, Turkey, May, 2001.

'Vulnerability assessment as a tool for hazard mitigation. 'Underwater ground failures in tsunami generation modelling, risk and mitigation', NATO Advanced Research Workshop, Istanbul, Turkey, May, 2001.



'The standardisation of measurement of plastic litter in the coastal/aquatic environment'. Bio-plastics, International Congress and Trade Show, 3-5 Feb, Central Science Laboratories, York, UK, Feb. 2002.

'The use of multi-variate statistical techniques to establish beach debris pollution sources. 7<sup>th</sup> International Coastal Symposium, Templepatrick, Northern Ireland, March, 2002.

'Coastal erosion and engineering structures along the Glamorgan Heritage Coast' Solving Coastal Conundrums 28<sup>th</sup> Int. Conference on Coastal Engineering, Cardiff, July, 2002.

International Post-Graduate Training Programme, 'Coastal Zone Management in the Mediterranean and the Black Sea', MedCoast programme, Dalyan, Turkey, Sept 2002. Lectures given on:

'Litter'

'Beach Aesthetics'

'Beach Management Guidelines'

'The economics of beaches'

'Novel techniques in beach management'

'Coastal cliff engineering: case studies from Wales, UK.' Institute of Civil Engineers, Turkey. Invited lecture given at the bi-annual meeting, Antalya Turkey, Oct. 2002.

'Public perception of coastal structures: groined beaches'. International Geographic Union, Assoc. of American Geographers, Annual meeting, New Orleans, USA, March, 2003.

'Coastal engineering'. Sam Houston State University, Huntsville, Texas, USA, March, 2003.

International Post-Graduate Training Programme, 'Beach Management' Kushadasi, Turkey, June, 2003. Lectures given on:

'Litter'

'Innovative techniques in beach management'

'Beach ratings'

'Beach Management Guidelines'.

NATO Advanced Post Graduate summer course on 'Coastal Zone Management in the Atlantic Coast.' University of Porto, Portugal, Sept. 2003 Lectures given on:

'Coastal structures'

'Beach management'

'Marine Litter assessment for Antalya beaches', Proc. of the 6<sup>th</sup> Int. Conf. on the Med. Environment, Ravenna, Italy, October 2003.

'Conceptual modeling of beach management: South Wales (UK): South Wales case studies'. Proc. of the 6<sup>th</sup> Int. Conf. on the Med. Environment, Ravenna, Italy, 2003.

'Scenic assessment and fuzzy logic'. The Cardiff European Landscape Conference, 2003. Assessment and Policy. National \museum, Welsh Assembly Government, Dec. 2003.

'Dune management', Environmental Studies Dept, Florida International University, Miami, Florida, USA, Feb, 2004.

'Litter' Environmental Studies Dept, Florida International University, Miami, Florida, USA, March, 2004.

'Shore Platforms and rock resistance parameters,' International Coastal Commission meeting, Itapi, Brazil, March, 2004.

'Coastal scenery assessment in Croatia,' 'International Coastal Commission meeting, Itapi, Brazil, March, 2004.

'Litter and neural network analyses,' 'International Coastal Commission meeting, Itapi, Brazil, March, 2004.

'Coastal scenery: an innovative evaluation method for South Wales, UK.' Littoral, 2004, Aberdeen July, 2004,

'Litter and the condom equivalent'. Medcoast, Ravenna Italy, Nov, 2004.

'The BARE technique,' Medcoast, Ravenna Italy, Nov, 2004.

'The Heritage Coast concept in Wales, Medcoast' Ravenna Italy, Nov, 2004

'Techniques in coastal management' Southampton Solent University, Southampton. Feb. 2005.

'Coastal scenic assessment: Portugal – the Lisbon metropolitan area.' International Conference on Coastal Conservation and Management, Faro, Portugal, April, 2005.

'Beach management'. Seminar, Socrates programme meeting, Antalya, Turkey, May 2005.

'Beach management guidelines'. International Masters Degree course, Faro, Portugal, June, 2005.

'Beaches and Tourism' Seminar given to the Ministry of Tourism, Suva, Fiji, July, 2005.

'The assessment of scenery.' Geography Association of Canterbury, New Zealand, August, 2005.

'Marine Debris', Keynote address, Plastic Debris, Rivers to Sea Conference, Redondo Beach, California, USA, Sept. 2005.

'Riverine debris' Prestigious Science Lecture Series, University of Canterbury, Christchurch, New Zealand, Sept. 2005.

'Environmental Management', Gazi University, Ankara, Turkey, Dec. 2005.

'Future challenges in ICM: Beach Management' Middle East Technical University, Ankara, Turkey, Dec. 2005.

'The future of Integrated Coastal Management' Geography Department, Nova Universidade, Lisboa, Portugal, Jan. 2006.

'Innovative techniques in Applied Geography' Southampton Solent University, Southampton, UK. Feb, 2006.

'Coastal Scenery', SUNCE organisation, Split, Croatia, Feb, 2006.

'Beach Management' one week United Nations Development Programme, Northern Cyprus, April, 2006.

'Beach management guidelines' International Masters Degree course, Faro, Portugal, (one week), May, 2006.

'Beach management and Marinas'. Two week Foreign and Commonwealth Office, London funded post graduate course, International Foundation Studies, University of Malta, Valletta, Malta, May, 2006.

'Integrated Coastal Management' COZIP intensive short course, Swansea Institute, University of Wales, Swansea, July, 2006.

'Global warming and sea level rise', Second International Conference on the Management of Coastal Recreational Resources - Beaches, Yacht Marinas and Ecotourism Gozo, Malta, October, 2006.

'The UK Marine Bill'. Keynote speech to: Tuirkiye Butunlesik Kiyir Yonetimi ve Avrupa Topulugu Gokova Projesi, Akyaka, Turkey, May, 2007.

'Beach Management, a sub-set of ICM', Institute of British geographers-Royal Geographic Society, annual meeting, Imperial College, London, June, 2007.

Innovative Coastal Structures' International training course for coastal managers

'Hard and soft shore protection strategies: beach user expectations'

'Safety problems in protected beaches: warning systems', Massa, Italy, Sept. 2007.

Airbourne Digital Photographic Systems as a dune management tool' International Conference on Management and Restoration of Coastal Dunes (ICCD 2007), Santander, Spain, Oct, 2007.

'Beach Management', Seminar at Geography Dept., Liverpool University, UK, Nov, 2007.

'Coastal Scenic Evaluation of Gozo/Comino, Malta, as a tourism product.' International pluridisciplinary conference: 'Le littoral: subir, dire, agir', Lille, France, Jan, 2008.

'The economic cost of litter', Meiji University, Japan, April, 2008.

Two week British Council, London, funded post graduate course, International Foundation Studies, University of Malta, Valletta, Malta, April, 2008;

- a) Scenic assessment
- b) Litter
- c) Beach management and Integrated Coastal Management
- d) Beach safety
- e) Beach awards.

'Beach user's perception in Wales and Portugal: the importance of landscape.' The permanent European Conference for the study of rural landscapes, Lisboa, Portugal, July, 2008,

Three week Master's course (45 hours) 'Coastal Processes and Management', University of the West Fjords, Iceland, Sept, 2008.

'Sustainable Coasts and a Better Life', 4th Coastal Zone Asia Pacific Conference, Qingdao, China, Oct, 2008

Five week, post graduate course on 'Coastal Processes, Engineering and Management'. Ocean University, Qingdao, China. Oct, 2008.

'Recreational intensity usage on beaches', Littoral 2008, Venice, Italy, November, 2008.

'Comparative beach aesthetics: the south west coasts of England and Wales, UK'. Littoral 2008, Venice, Italy, November, 2008

'Keynote speech, 'Marine litter: the current situation;' in, 'Marine Litter Summit: Reaching a National Solution', Weymouth, Dorset Forum, April, 2009.

Two week Foreign and Commonwealth course on Beach Management, Malta, May, 2009.

Lectures on:

- a) Litter,
- b) Beach safety,
- c) Coastal Scenery,

- d) Beach management,
- 2) Beach awards

Keynote speech. 'The 'art' of beach management'. In, 9<sup>th</sup> Int. MEDCOAST conference, Sochi, Russia, Nov, 2009.

'The historiography of First beach, Qingdao, China, 9<sup>th</sup> Int. MEDCOAST conference, Sochi, Russia, Nov, 2009

'Cirali: a Mediterranean sustainable tourism model for protection of a natural resource', '3<sup>rd</sup> International Conference on Aquatic Resources: Prospects and Challenges', Alexandria, Egypt, Nov, 2009.'

'An analysis of tidal trends on both sides of the Severn Estuary/Bristol Channel', Severn Estuary Climate Change Research Advisory Group, Bristol, Feb, 2010.

A New Typology for Portuguese beaches: an exploratory study, *Proc ICCCM10*, Estoril Portugal. April, 2010

A very unusual groin', the MV River Princess, Goa, India and its impacts upon tourism, *Proc ICCCM10*, Estoril, Portugal, April, 2010,

Beach Management: One day intensive Beach Management course, Estoril, Portugal, April, 2010.

Two week 'Beach Management' post-graduate course at the University of Malta, May, 2010, funded by the British Foreign and Commonwealth Office, London. Lectures on:

- a) ICM
- b) Beach safety
- c) Litter
- d) Scenery
- e) Coastal engineering structures
- f) Beach awards

'Beach registration': Invited keynote speaker: (in) Strategie per la protezione della costa Castelsardo Castello dei Doria, Sardinia Italy, 27-28-29, Maggio, 2010. Gruppo Nazionale par la Ricerca sull Ambiente Coastiero, Italy.

'Coastal Engineering structures and perception': Invited keynote speaker, University of Massa, Italy. Gruppo Nazionale par la Ricerca sull Ambiente Coastiero, 24 May 2010, Massa, Italy.

'Medcoast Post-graduate training programmes on ICM, (three weeks) Sept, 2010'. Lectures on:

- a) ICM and BM

- b) Beach management guidelines.
- c) Litter
- d) Award Flags
- e) Coastal Processes.

'Two week 'Beach Management' post-graduate course' University of Malta, April, 2011, funded by the British Foreign and Commonwealth Office, London. Lectures as May, 2010.

'Dune vulnerability of some Scottish dune systems'. International Coastal Conference (CERF), Stettin, Poland, May, 2011.

Erasmus Mundus, University of Cadiz, Spain. Five day lecture M. Sc. course on 'Beach Management and Marinas', June, 2011.

'Types, quantities and damage caused by Marine Litter' Keynote speaker. 'Ocean : Innovation & Opportunity', EXPO 2012 Yeosu Korea International Symposium, Korean Maritime Institute, Incheon, Korea, Sept, 2011.

'Coastal scenery at Hong Kong Island, China', Medcoast 2011, Rhodes, Greece, Oct, 2011.

Two week 'Beach Management' post-graduate course at the University of Malta, April, 2012, funded by the British Foreign and Commonwealth Office, London. Lectures on:

- a) Integrated coastal management, beach management and marine spatial planning
- b) Beach safety
- c) Litter
- d) Scenery
- e) Coastal engineering structures
- f) Beach awards:are they worth having?

'Integrated coastal management and beach management: the difference', University of the Azores, San Miguel, Azores, Portugal, May, 2012.

Medcoast Post-graduate training programmes on ICM, (three weeks) Oct. 2012'. Lectures on:

- a) ICM and BM
- b) Beach management guidelines.
- c) Litter
- d) Award Flags
- e) Beach Safety
- f) Coastal Processes

'Coastal Zone Management', Regional Council, Mersin Municipality, Turkey. Invited keynote lecture, Oct. 2012.

'Beach Safety' Invited keynote address, PERLA meeting (Progetto per l'accessibilita, la fruibilita e la sicurezza della fascia costiera della regioni transfrontalierre) Castagnetto Carducci, Italy, Nov. 2012.

'Reasons for beach choice: European and Caribbean perspectives'. ICS 2013, Plymouth University, April, 2013

'Perception of coastal scenery along the Caribbean littoral of Colombia'. ICS 2013, Plymouth University, April, 2013.

'Coastal erosion and management' Deltares, Delft, Netherlands, May, 2013

'Two week 'Beach Management' post-graduate course at the University of Malta, May, 2013, funded by the British Foreign and Commonwealth Office, London. Lectures on:

- a) Integrated coastal management, beach management and marine spatial planning
- b) Beach safety
- c) Litter
- d) Scenery
- e) Coastal engineering structures
- f) Beach awards:are they worth having?

'Pebble origin and beach zone differentiation' 3<sup>rd</sup> Int. Geog. Conf, Kemer, Turkey. June, 2013.

'A. Coastal scenic evaluation, Nador Province, Morocco', Medcoast, 2013, Marmaris, Turkey, Oct. 2013.

'Coastal erosion and Protection,' Ocean University, Qingdao, China, Nov. 2013.

'Integrated Coastal and Beach Management.' Global Summit, Blue Economy, Qingdao, China, Nov. 2013.

'Marine Spatial Planning, Integrated Coastal Management and Beach Management',Gazi University, Ankara, Turkey, January, 2014.

'Preferences and priorities of beach users in the Eastern Yucatan Peninsula, Mexico, International Coastal Symposium Durban, (CERF) South Africa, April, 2014.