All of my “publications” are listed below, even unpublished ones. The numbers associated with each publication are a “serial number” assigned in approximately chronological order. Since omission of unpublished ones would leave gaps, and since a chronological ordering is rather useful, I have left all of the entries here. Names in *italics* denote coauthor who was a graduate student at the time of writing the initial paper.

**Theses**


**Edited Volumes**


**Book Chapters**


**Book Chapters (Submitted)**


**Journal Papers**


[P56] Wee Sun Lee, Peter L. Bartlett and Robert C. Williamson, “Lower Bounds on the VC-Dimension of Smoothly Parametrized Function Classes”, Neural Computation 7(5), 1040–1053 (1995) (N.B. theorem 10 in this paper is wrong; A correction has been accepted for publication which rescues the result on neural networks.)


Accepted Journal Papers


Submitted Journal Papers


Patents


Refereed Conference Papers (International)


Refereed Conference Papers (International) (Accepted)


Refereed Conference Papers (International) (Submitted)


Refereed Conference Papers (National)


Tutorials


Reviews


Talks


Workshops (with proceedings)


Technical Reports


Unpublished Reports


Robert C. Williamson and Andrew D.B. Paice, “The Number of Nodes Required in a Feed-Forward Neural Network for Functional Representation,” submitted to Neural Networks (under revision 1990). I never bothered to resubmit in the end; the work was effectively superseded by results published by Barron in 1992. It was an extended version of P11.

Ben James, Brian D.O. Anderson and Robert C. Williamson, “Multiharmonic Frequency Estimation in Noise,” submitted to Signal Processing. I believe this was rejected, but I can not find the letter...


[P62] Wee Sun Lee, Peter L. Bartlett and Robert C. Williamson, “On Efficient Agnostic Learning of Linear Combinations of Basis Functions”, submitted to *Information and Computation* 1994. For reasons which to us which were very odd, this journal did not like this paper. As a number of the results appeared in the conference proceedings [P68] (albeit without some proofs), we have not resubmitted it.

[P86] Kim L. Blackmore, Robert C. Williamson and Iven M.Y. Mareels, “Hasty Congregational Gradient Descent,” shortened version submitted to IEEE Conference on Decision and Control, 2000 (invited session) but session was rejected. The link is to the full version which was never actually submitted (if I recall correctly). The work was completed around 1996.

[P104] Alex J. Smola, Robert C. Williamson and Bernhard Schölkopf, “Generalization Bounds for Convex Combinations of Kernel Functions,” Submitted to NIPS’98. NIPS did not like it. It has evolved into P120.


**Papers In Preparation**


[P109] Robert C. Williamson, “Some Results in Statistical learning Theory with Relevance to Nonlinear System Identification,” in preparation for submission to *Automatica* August 1998. This paper is based on [P96], and was invited to be submitted to *Automatica*. (Update 2005; I never completed this; you can see an advanced draft.)