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	Autore	Haykin Simon
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	Collana	Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control ; ; v.31
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	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Introduction : The LMS filter (algorithm) / Simon Haykin -- On the efficiency of adaptive algorithms / Bernard Widrow and Max Kamenetsky -- Traveling-wave model of long LMS filters / Hans J. Butterweck -- Energy conservation and the learning ability of LMS adaptive filters / Ali H. Sayed and V.H. Nascimento -- On the robustness of LMS filters / Babak Hassibi -- Dimension analysis for least-mean-square algorithms / Iven M.Y. Mareels, John Homer, and Robert R. Bitmead -- Control of LMS-type adaptive filters / Eberhard Hansler and Gerhard Uwe Schmidt -- Affine projection algorithms / Steven L. Gay -- Proportionate adaptation : new paradigms in adaptive filters / Zhe Chen, Simon Haykin, and Steven L. Gay -- Steady-state dynamic weight behavior in (N)LMS adaptive filters / A.A. (Louis) Beex and James R. Zeidler -- Error whitening wiener filters : theory and algorithms / Jose C. Principe, Yadunandana N. Rao, and Deniz Erdogmus.
	Sommario/riassunto	Edited by the original inventor of the technology. Includes contributions by the foremost experts in the field. The only book to cover these topics together.