Record Nr. UNINA9910814308603321 Advances in learning theory: methods, models, and applications // **Titolo** edited by Johan Suykens ... [et al.] Pubbl/distr/stampa Amsterdam; ; Washington, DC, : IOS Press Tokyo,: Ohmsha, c2003 **ISBN** 1-280-50590-7 9786610505906 1-4175-1139-7 600-00-0332-3 1-60129-401-8 Edizione [1st ed.] Descrizione fisica 1 online resource (438 p.) Collana NATO science series. Series III, Computer and systems sciences, 1387-6694 ; ; v. 190 Altri autori (Persone) SuykensJohan A. K Disciplina 006.3/1 Soggetti Computational learning theory Machine learning - Mathematical models Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "Proceedings of the NATO Advanced Study Institute on Learning Theory and Practice, 8-19 July 2002, Leuven, Belgium"--T.p. verso. "Published in cooperation with NATO Scientific Affairs Division." Includes bibliographical references and indexes. Nota di bibliografia Nota di contenuto Cover; Title page; Preface; Organizing committee; List of chapter contributors; Contents; 1 An Overview of Statistical Learning Theory; 2 Best Choices for Regularization Parameters in Learning Theory: On the Bias-Variance Problem; 3 Cucker Smale Learning Theory in Besov Spaces; 4 High-dimensional Approximation by Neural Networks; 5 Functional Learning through Kernels; 6 Leave-one-out Error and Stability of Learning Algorithms with Applications: 7 Regularized Least-Squares Classification; 8 Support Vector Machines: Least Squares Approaches and Extensions 9 Extension of the -SVM Range for Classification10 Kernels Methods for Text Processing; 11 An Optimization Perspective on Kernel Partial Least Squares Regression; 12 Multiclass Learning with Output Codes; 13 Bayesian Regression and Classification: 14 Bayesian Field Theory:

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	Information Geometry; 16 Nonparametric Prediction; 17 Recent Advances in Statistical Learning Theory; 18 Neural Networks in Measurement Systems (an engineering view); List of participants; Subject Index; Author Index
Sommario/riassunto	This text details advances in learning theory that relate to problems studied in neural networks, machine learning, mathematics and statistics.