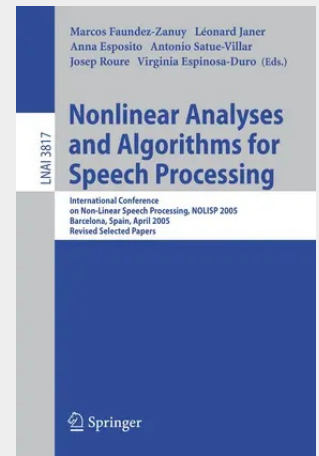


Nonlinear Analyses and Algorithms for Speech Processing

International Conference on Non-Linear Speech Processing, NOLISP 2005, Barcelona, Spain, April 19-22, 2005, Revised Selected Papers

We present in this volume the collection of finally accepted papers of NOLISP 2005 conference. It has been the third event in a series of events related to Non-linear speech processing, in the framework of the European COST action 277 "Nonlinear speech processing". Many aspects of the speech signal are not well addressed by conventional models currently used in the field of speech processing. The purpose of NOLISP is to present and discuss novel ideas, work and results related to alternative techniques for speech processing, which depart from mainstream approaches. With this intention in mind, we provide an open forum for discussion. Alternative approaches are appreciated, although the results achieved at present may not clearly surpass results based on state-of-the-art methods. The call for papers was launched at the beginning of 2005, addressing the following domains: 1. Non-Linear Approximation and Estimation 2. Non-Linear Oscillators and Predictors 3. Higher-Order Statistics 4. Independent Component Analysis 5. Nearest Neighbors 6. Neural Networks 7. Decision Trees 8. Non-Parametric Models 9. Dynamics of Non-Linear Systems 10. Fractal Methods 11. Chaos Modeling 12. Non-Linear Differential Equations 13. Others All the main fields of speech processing are targeted by the workshop, namely: 1. Speech Coding: The bit rate available for speech signals must be strictly limited in order to accommodate the constraints of the channel resource.

We present in this volume the collection of finally accepted papers of NOLISP 2005 conference. It has been the third event in a series of events related to Non-linear speech processing, in the framework of the European COST action 277 "Nonlinear speech processing". Many aspects of the speech signal are not well addressed by conventional models currently used in the field of speech processing. The purpose of NOLISP is to present and discuss novel ideas, work and results related to alternative techniques for speech processing, which depart from mainstream approaches. With this intention in mind, we provide an open forum for discussion. Alternative approaches are appreciated, although the results achieved at present may not clearly surpass results based on state-of-the-art methods. The call for papers was launched at the beginning of 2005, addressing the following domains: 1. Non-Linear Approximation and Estimation 2. Non-Linear Oscillators and Predictors 3. Higher-Order Statistics 4. Independent Component Analysis 5. Nearest Neighbors 6. Neural Networks 7. Decision Trees 8. Non-Parametric Models 9. Dynamics of Non-Linear Systems 10. Fractal Methods 11. Chaos Modeling 12. Non-Linear Differential Equations 13. Others All the main fields of speech processing are targeted by the workshop, namely: 1. Speech Coding: The bit rate available for speech signals must be strictly limited in order to accommodate the constraints of the channel resource.



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540312574
Medium: Buch
ISBN: 978-3-540-31257-4
Verlag: Springer
Erscheinungstermin: 19.01.2006
Sprache(n): Englisch
Auflage: 1. Auflage 2006
Serie: Lecture Notes in Artificial Intelligence
Produktform: Kartoniert
Gewicht: 1230 g
Seiten: 384
Format (B x H): 155 x 235 mm

