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Sommario/riassunto

"This book is a guide through the contemporary field of automatically detecting speaker states/traits in speech via acoustic and linguistic properties.  The authors will first introduce the general topic covering definitions, usability and application, and then discuss the psychological underpinnings of emotions, affect and personality and how they are expressed and categorized in speech. Reflecting the multidisciplinary character of the field, the authors switch to aspects of human speech and language containing speech production and perception, and linguistic and paralinguistic aspects. The authors will also focus on the signal processing and machine learning aspects of the actual computational modelling of emotion and personality and will explain the detection process from corpus collection through feature extraction and model testing to system integration. After a general introduction into computational modelling of emotion and personality including pre-processing, feature extraction and machine learning algorithms, acoustic and linguistic analyses will each be handled in separate chapters. Once emotion and personality have been recognised by a technical system, the question arises how to best integrate this information in a system context, in particular dealing with uncertainty - an aspect often handled with lower attention, neglecting its high importance. The authors will cover this providing an extra chapter on aspects in this context as standards for emotion and personality, dealing with error-prone prediction results, real-time issues, application design, and real-life evaluation of systems. The book will end with a tutorial enabling the reader to build an emotion detection model on an existing corpus. This hands-on approach by integrating actual data sets, software, and open-source utilities will make the book invaluable as a teaching tool and similarly useful for those professionals already in the field"--
"In this book, we will focus on analysis, basically excluding generation and synthesis"--

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| Titolo | Advances in Smalltalk : 14th International Smaltalk Conference, ISC 2006, Prague, Czech Republic, September 4-8, 2006, Revised Selected Papers / / edited by Wolfgang De Meuter |
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| Collana | Programming and Software Engineering, , 2945-9168 ; ; 4406 |
| Disciplina | 005.133 |
| Soggetti | Compilers (Computer programs)<br>Computer programming<br>Software engineering<br>Computer science<br>Compilers and Interpreters<br>Programming Techniques<br>Software Engineering<br>Computer Science Logic and Foundations of Programming |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and author index. |
| Nota di contenuto | Application-Specific Models and Pointcuts Using a Logic Meta Language -- An Object-Oriented Approach for Context-Aware Applications -- Unanticipated Partial Behavioral Reflection -- Stateful Traits -- Scl: A Simple, Uniform and Operational Language for Component-Oriented Programming in Smalltalk -- Let’s Modularize the Data Model Specifications of the ObjectLens in VisualWorks/Smalltalk -- Meta-driven Browsers. |
| Sommario/riassunto | The 14th International Smalltalk Conference took place in the ?rst week of September 2006 in Prague, Czech Republic. This volume contains the pe- reviewed technical papers that were presented during the academic track of the conference. The International Smalltalk Conference evolvedout of the annual meeting of the European Smalltalk |

User Group (ESUG). This meeting usually lasts about a week and allows Smalltalk experts to discuss Smalltalk solutions and envir- ments. The meeting attracts a diverse audience consisting of Smalltalkers from industry as well as from academia. Thanks to the perpetual e?ort of people like St´ ephane Ducasse, Noury Bouraqadi, Serge Stinckwich and Roel Wuyts, over the years the ESUG meeting was provided with a separate academic research track during which researchers could present academic results about Smalltalk and its development tools. Unfortunately, no formal publication forum was - sociated with this track, which made it less attractive for authors to submit a paper. Starting with this edition of the conference, we hope this will change. An agreement was reached with Springer to publish a post-conference proceedings of this 14th edition. I think our community owes a big thank you to St´ ephane for this! Hopefully next year this agreement can evolve into a 15th edition of the conference with formally announced proceedings. This will certainly motivate more Smalltalk researchers to submit a paper! The conference accepted just over half of the submissions.