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Titolo	Fracture mechanics : current status, future prospects : proceedings of a conference held at Cambridge University, 16 March 1979 // editor, R. A. Smith ; organised by Cambridge University Engineering Department, in conjunction with the Society of Environmental Engineers
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Collana	International series on the strength and fracture of materials and structures Fracture mechanics
Disciplina	620.1/126
Soggetti	Fracture mechanics Electronic books.
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Fracture Mechanics: Current Status, Future Prospects; Copyright Page; Table of Contents; INTRODUCTION; CHAPTER 1. MICROMECHANISMS OF FRACTURE IN STATIC AND CYCLIC FAILURE; Abstract; 1. Introduction; 2. Micromechanisms of Fracture; 3. Fracture Mechanism Maps; 4. Maps for Metals and Ceramics; 5. Mechanisms of Fracture and Order of Magnitude of K <sub>c</sub> and G <sub>c</sub> ; 6. Mechanisms of Fracture and Fatigue Crack Growth; 7. Summary; Acknowledgements; References; CHAPTER 2.THEORETICAL BACKGROUND TO ELASTIC FRACTURE MECHANICS; Summary; 1. Introduction; 2. Modes of Crack Surface Displacement 3. Stress Intensity Factors4. Effect of Yielding; 5. Measuring Fracture Toughness; 6. Fatigue Crack Growth; 7. Short Crack Limitations; 8. Combined Mode Behaviour; 9. Conclusions; Acknowledgements; Notation; APPENDIX; REFERENCES; CHAPTER 3.APPLICATION OF FRACTURE MECHANICS TO INDUSTRIAL PROBLEMS; Summary; 1) INTRODUCTION; 2) FATIGUE CRACKING IN A LARGE GENERATOR ROTOR; 3) CREEP CRACKING IN CrMoV PIPEWORK WELDS; 4) STRESS-CORROSION CRACKING IN STEAM TURBINE DISCS; 5) CONCLUDING REMARKS; 6) ACKNOWLEDGEMENT; 7) REFERENCES; CHAPTER 4.GREEN'S

## FUNCTIONS IN FRACTURE MECHANICS; Summary

1. Introduction2. Basic principles of Green's functions; 3. Stress intensity factors as Green's functions; 4. Systematic use of Green's functions; 5. Available Green's functions; 6. Simple methods expressed as Green's functions; 7. Applications of Green's functions; 8. Conclusions; References; CHAPTER 5.VARIABLE AMPLITUDE FATIGUE OF WELDED STRUCTURES; INTRODUCTION; ANALYSIS OF VARIABLE AMPLITUDE FATIGUE; CRACK SHAPE PROBLEMS; K HISTORY; CONCLUSIONS; ACKNOWLEDGEMENTS; NOMENCLATURE; REFERENCES; CHAPTER 6.PROBABILISTIC FRACTURE MECHANICS; Abstract; 1. INTRODUCTION; 2. GENERAL PHYSICAL ASPECTS 3. GENERAL MATHEMATICAL FORMULATION4. THE DISTRIBUTION FUNCTIONS; 5. APPLICATIONS; 6. CONCLUSIONS; References; CHAPTER 7.ELEVATED TEMPERATURE FRACTURE MECHANICS; SUMMARY; INTRODUCTION; CRACK CHARACTERISATION; CREEP CRACK GROWTH; FATIGUE AND CREEP-FATIGUE CRACK GROWTH; CONCLUDING REMARKS; REFERENCES; APPENDIX: CAVITY LINKAGE BY A CRACK DISPLACEMENT FIELD; CHAPTER 8.FRACTURE MECHANISMS IN FIBROUS COMPOSITES; Abstract; 1. Introduction; 2. Models of Fracture; 3. Statistical Analysis of Fracture; 4. Estimation of Fracture Energy; 5. Energies of Crack Initiation and Crack Propagation 6. ConclusionsReferences; Acknowledgements; CHAPTER 9.FRACTURE CRITERIA IN ELASTIC AND ELASTIC/PLASTIC SOLIDS; SUMMARY; INTRODUCTION; PLASTIC ZONE SIZE CORRECTION; THE PLANE STRAIN/PLANE STRESS TRANSITION; INITIATION AND PROPAGATION; THE J INTEGRAL CRITERION FOR FRACTURE; THE CRACK OPENING DISPLACEMENT; SLOW CRACK GROWTH; THE PRESENT POSITION; REFERENCES

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Sommario/riassunto

Fracture Mechanics

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2. Record Nr.	UNINA9910552722603321
Titolo	Computational Processing of the Portuguese Language : 15th International Conference, PROPOR 2022, Fortaleza, Brazil, March 21–23, 2022, Proceedings / / edited by Vlória Pinheiro, Pablo Gamallo, Raquel Amaro, Carolina Scarton, Fernando Batista, Diego Silva, Catarina Magro, Hugo Pinto
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Descrizione fisica	1 online resource (447 pages)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 13208
Disciplina	469.0285635
Soggetti	Artificial intelligence Application software Computer engineering Computer networks Artificial Intelligence Computer and Information Systems Applications Computer Engineering and Networks
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Resources and Evaluation -- UlyssesNER-Br: a corpus of Brazilian legislative documents for named entity recognition -- A test-suite for the evaluation of Portuguese-English machine translations -- MINT - Mainstream and Independent News Text corpus -- Fakepedia Corpus: a flexible fake news corpus in Portuguese -- A targeted assessment of the syntactic abilities of Transformer models for Galician-Portuguese -- FakeRecogn: A new Brazilian corpus for fake news detection -- Implicit opinion aspect clues in Portuguese texts: analysis and categorization -- CRPC-DB A discourse bank for Portuguese -- Challenges in annotating a treebank of clinical narratives in Brazilian Portuguese -- PetroBERT: a domain adaptation language model for oil and gas applications in Portuguese -- SS-PT: A stance and sentiment data set from Portuguese quoted tweets -- Natural Language

Processing Tasks -- ZeroBERTo - leveraging zero-shot text classification by topic modeling -- Banking regulation classification in Portuguese -- Automatic information extraction: a distant reading of the Brazilian Historical-Biographical Dictionary -- Automatic recognition of units of measurement in product descriptions from tax invoices using neural networks -- Entity extraction from Portuguese legal documents using distant supervision -- Sexist hate speech: identifying potential online verbal violence instances -- Book genre classification based on reviews of Portuguese-language Literature -- Combining word embeddings for Portuguese named entity recognition -- BERT for sentiment analysis: pre-trained and fine-tuned alternatives -- Fostering judiciary applications with new fine-tuned models for Legal Named Entity recognition in Portuguese -- Natural Language Processing Applications -- Using topic modeling in classification of Brazilian lawsuits -- PortNOIE: A neural framework for Open Information Extraction for the Portuguese language -- Tracking environmental policy changes in the Brazilian Federal Official Gazette -- A transfer learning analysis of political leaning classification in cross-domain content -- Integrating question answering and text-to-SQL in Portuguese -- Named Entity Extractors for new domains by Transfer Learning with automatically annotated data -- PTT5-Paraphraser: Diversity and meaning fidelity in automatic Portuguese paraphrasing -- Speech Processing and Applications -- A protocol for comparing gesture and prosodic boundaries in multimodal corpora -- Forced phonetic alignment in Brazilian Portuguese using time-delay neural networks -- Brazilian Portuguese speech recognition using Wav2Vec 2.0 -- A corpus of neutral voice speech in Brazilian Portuguese -- Comparing lexical and usage frequencies of palatal segments in Portuguese -- Lexical Semantics -- Extracting valences from a dependency treebank for populating the verb lexicon of a Portuguese HPSG grammar -- CQL grammars for lexical and semantic information extraction for Portuguese and Italian -- Drilling Lexico-Semantic Knowledge in Portuguese from BERT -- Short Papers -- The systematic construction of multiple types of corpora through the Lapelinc Framework -- Revisiting CCNET for quality measurements in Galician -- Identifying literary characters in Portuguese: Challenges of an international shared task -- Should I buy or should I pass: e-commerce datasets in Portuguese -- Best MsC/MA & PhD Dissertation -- Abstract meaning representation parsing for the Brazilian Portuguese language -- Enriching Portuguese word embeddings with visual information.-.

## Sommario/riassunto

This book constitutes the proceedings of the 15th International Conference on Computational Processing of the Portuguese Language, PROPOR 2021, held in Fortaleza, Brazil, in March 2021. The 36 full papers presented together with 4 short papers were carefully reviewed and selected from 88 submissions. They are grouped in topical sections on speech processing; resources and evaluation; natural language processing applications; semantics; natural language processing tasks; and multilinguality.