

1. Record Nr.	UNINA9910459904603321
Titolo	13th International Ceramics Congress : proceedings of the 13th International Ceramics Congress, part of CIMTEC 2014-13th International Ceramics Congress and 6th Forum on New Materials, June 8-13, 2014, Montecatini Terme, Italy. Part C // edited by Pietro Vincenzini, World Academy of Ceramics and National Research Council, Italy ; co-edited by Ali Erdemir, Argonne National Laboratory, USA [and three others]
Pubbl/distr/stampa	Faenza, Italy : , : TTP, , [2014] ©2014
ISBN	3-03826-685-X
Descrizione fisica	1 online resource (168 p.)
Collana	Advances in science and technology, , 1662-8969 ; ; volume 89
Disciplina	620.14
Soggetti	Ceramics Ceramic materials Ceramic engineering Electronic books.
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 index.
Nota di contenuto	13th International Ceramics Congress - Part C; Preface; Table of Contents; Chapter 1: Materials for Tribology Applications; Novel Super-Elastic Materials for Advanced Bearing Applications; Tribological Behaviour of Ceramic Hip Replacements; Carbon Based Coatings for Hermetic Compressor Applications; Effect of Different Form of Carbon Addition on the Wear Behaviour of Copper Based Composites; Chapter 2: High and Ultra High Temperature Ceramics; Amorphization, Field Activated Sintering and Superplastic Forming of UHTCs; Nonoxide High-Melting Point Compounds as Materials for Extreme Conditions Reaction Bonded Si <sub>3</sub> N <sub>4</sub> (RBSN)/BN Composites for Industrial ApplicationsDevelopment and Processing of SiAlON Nano-Ceramics by Spark Plasma Sintering; Two-Step Pressureless Sintering of Silicon Carbide-Based Materials; Dispersion of Carbon Nanotubes in Alumina Using a Novel Mixing Technique and Spark Plasma Sintering of the

Nanocomposites with Improved Fracture Toughness; Corrosion of Polymer-Derived Ceramics in Hydrofluoric Acid and Sodium Salts; Fracture Mechanics of  $Y_2O_3$  Ceramics at High Temperatures; Development of Cordierite Ceramics from Natural Raw Materials First Principles Calculations of Interfaces in Ultra High Temperature Ceramics Influence of  $B_4C$ ,  $SiC$  and  $Si_3N_4$  Additions on Microstructures and Selected Properties of Titanium Nitride Matrix Materials Obtained by HPHT Method; Chapter 3: Max Phases; Critical Review of the Oxidation of  $Cr_2AlC$ ; Study of the Thermal Stability and Mechanical Characteristics of MAX Phases of Ti-Al-C(N) System and their Solid Solutions; Chapter 4: Fiber Composites; Heat-Resistant Inorganic Fibers; Poly-Siloxane Impregnation and Pyrolysis of Basalt Fibers for the Cost-Effective Production of CFCCs Multilayered Fiber-Reinforced Oxide Composites Produced by Lamination of Thermoplastic Prepregs Evaluation of Wearing Properties of Polyamide 66 Containing Glass Wool; Keywords Index; Authors Index

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Sommario/riassunto

Collection of selected, peer reviewed papers from the 13 th International Ceramics Congress, part of CIMTEC 2014-13 th International Ceramics Congress and 6 th Forum on New Materials, June 8-13, 2014, Montecatini Terme, Italy. The 21 papers are grouped as follows: Chapter 1: Materials for Tribology Applications, Chapter 2: High and Ultra High Temperature Ceramics, Chapter 3: Max Phases, Chapter 4: Fiber Composites.

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2. Record Nr.	UNINA9910624322203321
Titolo	ICT Infrastructure and Computing : Proceedings of ICT4SD 2022 // edited by Milan Tuba, Shyam Akashe, Amit Joshi
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-5331-7
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (749 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 520
Disciplina	620.00286
Soggetti	Computational intelligence Telecommunication Technology - Sociological aspects Information technology Internet of things Computer networks Computational Intelligence Communications Engineering, Networks Information and Communication Technologies (ICT) Internet of Things Computer Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Survey Paper on Multi-View Object Detection: Challenges and Techniques -- 2. Exploring the Scheduling techniques for the RTOS -- 3. Grid Power Smoothing Management for Direct Drive PMSG Variable Speed Wind Energy Conversion System with Multilevel Converter -- 4. Fall Detection using Transformer Model -- 5. Survey on various IOT based irrigation techniques in India -- 6. Empirical analysis of crop-yield analysis and disease detection systems: A statistical perspective -- 7. Analysis of Public Perception of Autonomous Vehicles Based on Unlabelled Data from Twitter -- 8. DFCNNet: A Convolutional Neural Network to Detect Deepfakes -- 9. White Blood Cells Classification Using Deep Learning Technique -- 10. Comparative Analysis of Convolutional Neural Network in Object Detection -- 11. A Review of

the Applications and Future Scope of Artificial Intelligence in Smart Transport -- 12. Besuited EEG Signal Analysis for Stress Monitoring Using BIONIC Sensor -- 13. Publish –Subscribe With IoT For A Smart Soil Moisture Irrigation System -- 14. An Optimized Taxonomy And Identification Of Retinal Eye Diseases For Diabetes Patients Using CNN -- 15. Axiomatically Designed Research Support Systems -- 16. Detection Of Hepatitis-B Virus Using NFC-Enabled Smartphone Based Portable Amperometric Immunosensor -- 17. Encrypto – Decrypto -- 18. Enhancing the employability of engineering graduates: An assertion on fundamental educational aspect of engineering education with proposing a hypothesis of 'Wishing Theory' based on prospective machine learning model -- 19. UpMove DownMove Strategy using NeuralNetwork Techniques For The Prediction Of Stock Prices -- 20. Breast Cancer Detection Using Bag Of visual Words -- etc.

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#### Sommario/riassunto

This book proposes new technologies and discusses future solutions for ICT design infrastructures, as reflected in high-quality papers presented at the 7th International Conference on ICT for Sustainable Development (ICT4SD 2022), held in Goa, India, on 29–30 July 2022. The book covers the topics such as big data and data mining, data fusion, IoT programming toolkits and frameworks, green communication systems and network, use of ICT in smart cities, sensor networks and embedded system, network and information security, wireless and optical networks, security, trust, and privacy, routing and control protocols, cognitive radio and networks, and natural language processing. Bringing together experts from different countries, the book explores a range of central issues from an international perspective.

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