

1. Record Nr.	UNINA9910139971603321
Autore	Raymond André
Titolo	Artisans et commerçants au Caire au XVIIIe siècle [[electronic resource]] . Tome I // André Raymond
Pubbl/distr/stampa	Presses de l'Ifpo, 1973 France : , : Presses de l'Ifpo, , 1973
ISBN	2-35159-494-0
Descrizione fisica	1 online resource (921 pages) : maps
Collana	Etudes arabes, medievals et modernes ; ; 95
Soggetti	Business & Economics Industries Cairo (Egypt) Commerce History
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Thèse de doctorat publiée en 1973, Artisans et commerçants au Caire au XVIIIe siècle s'est imposée comme une exploration réussie d'un territoire encore jamais défriché par la recherche occidentale : l'histoire économique et sociale de l'Égypte à la période ottomane. Malgré l'absence d'archives de première main, d'ouvrages historiques ou de chroniques de qualité et de statistiques globales sur le commerce et la production, André Raymond est en effet parvenu à évaluer l'importance des problèmes économiques dans l'évolution historique de l'Égypte de la fin du XVIIe siècle à l'avènement de Muammad 'Al. En partant d'informations sur la monnaie et les prix disponibles dans les registres de successions des tribunaux locaux et dans la correspondance consulaire, il reconstitue d'abord la chronologie des crises monétaires et des crises de subsistances qu'a connues Le Caire aux XVIIe et XVIIIe siècles. Raymond étudie ensuite l'économie du Caire par le prisme du commerce international et aborde les liens entre évolution de la production et du commerce et topographie économique de la ville. La deuxième partie de l'ouvrage s'attache à décrire la stratification sociale et les diverses organisations qui structuraient la vie des artisans et des commerçants pour interroger, enfin, dans le contexte de l'occupation

ottomane, le type de relations existait entre la population indigène économiquement active et la caste dominante, qui sont traditionnellement décrites comme deux ensembles séparés dont l'un dominait politiquement l'autre et l'exploitait financièrement et économiquement.

2. Record Nr.	UNINA9910633927203321
Titolo	Advances in Engineering Research and Application : Proceedings of the International Conference on Engineering Research and Applications, ICERA 2022 // edited by Duy Cuong Nguyen, Ngoc Pi Vu, Banh Tien Long, Horst Puta, Kai-Uwe Sattler
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-22200-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (1010 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 602
Disciplina	929.374 620
Soggetti	Engineering mathematics Engineering - Data processing Mechanical engineering Electrical engineering Mathematical and Computational Engineering Applications Mechanical Engineering Electrical and Electronic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Keynote 1: In-Database Machine Learning for the Masses -- Keynote 2: Advances in Decarbonizing the US Economy and Net-Zero Energy and Latest Research in Energy Efficiency -- Keynote 3: Isogeometric Finite Elements: Motivation, Implementation, and Applications -- Keynote 4: Fuzzy Modeling and Decision-Making Applications in Engineering Science -- Contents -- Cost Optimization

Study for Two-Stage Helical Gearbox with Second Stage Double Gear Sets -- 1 Introduction -- 2 Methodology -- 2.1 Calculation of Gearbox Cost -- 2.2 Calculation of Gear Mass -- 2.3 Calculation of Shaft Mass -- 2.4 Calculation of Gearbox Housing Mass -- 2.5 Calculation of Bearing Cost -- 2.6 Optimization Problem -- 3 Experimental Work -- 4 Results and Discussions -- 5 Conclusions -- References --

A Design and Implement of Fuzzy Controller for Taking-off and Landing for Unmanned Aerial Vehicles -- 1 Introduction -- 2 System Description -- 3 Design the Input and Output of Fuzzy Controller -- 3.1 Ultrasonic Sensor -- 3.2 Design Fuzzy and PID Controller for UAV -- 4 Results and Discussion -- 5 Conclusions and Future Work -- References --

A Detailed Procedure of Squirrel-Cage Three-Phase Induction Motor Parameter Estimation Using Polynomial Regression -- 1 Introduction -- 2 Materials and Methods -- 2.1 Motor Input Impedance -- 2.2 Polynomial Regression -- 2.3 Mechanical Parameter Estimation -- 3 Experimental Validation -- 3.1 Electrical and Mechanical Parameter Identification -- 3.2 Comparison Between the Actual and Simulated Start-up Speeds -- 4 Conclusion -- References --

A Hybrid Energy Sliding Mode Controller for the Rotary Inverted Pendulum -- 1 Introduction -- 2 System Modeling -- 3 Control Problem -- 4 Simulation and Results -- 5 Conclusion -- References --

A Neural Network-Based Fast Terminal Sliding Mode Controller for Dual-Arm Robots -- 1 Introduction. 2 Dynamics of the Dual-Arm Robot-Object System -- 3 Fast Terminal Sliding Mode Controller Design -- 3.1 Design Control Law -- 3.2 Update Law for NN Weights -- 4 Simulation Results -- 5 Conclusion -- References --

A Novel Approach for Determination of Main Dimensions and Armature Reactions of Axial Flux Permanent Magnet Generators -- 1 Introduction -- 2 Determination of the Main Dimensions -- 3 Application Problems -- 4 Investigation of Influence of Armature Reactions -- 4.1 No-Load Operation -- 4.2 Rated Load Operation -- 5 Conclusion -- References --

A Prototype of Lotus Fiber Extracting Machine -- 1 Introduction -- 2 Overall Structure Design of the Auto Lotus Fiber Extracting Machine -- 2.1 Overview of the Structure -- 2.2 Workpiece Feeding Module -- 2.3 Fiber Pulling Module -- 2.4 Fiber Spinning Module -- 3 Hardware Design -- 4 Result and Discussion -- 5 Conclusions -- References --

A Simulation Investigation of Dynamic Wheel Load of a Heavy Truck with Hydro-Pneumatic Suspension System -- 1 Introduction -- 2 Mathematical Model of HPS Strut -- 3 Three-Dimension Dynamic Model of a Mining Dump Truck -- 4 Results and Discussion -- 5 Conclusions -- References --

A Study of Kinematics, Dynamics of the Stair Climbing Wheelchairs -- 1 Introduction -- 2 Modeling the Stair Climbing Mechanism -- 3 Calculation of Kinematics, Dynamics of the Stair Climbing Wheelchairs -- 3.1 Worm-Gear Transmission -- 3.2 The Synchronous Belt Transmission -- 3.3 Planetary Gear Transmission -- 4 Conclusion -- References --

A Study of Polygonal Holes Machining Using Attachment -- 1 Introduction -- 2 Theoretical Method -- 3 The Constructing Model -- 4 Conclusion -- References --

Study on Multi-criteria Decision Making in CBN Grinding SKD11 Tool Steel -- 1 Introduction -- 2 Methodology -- 2.1 Method for Multi-criteria Decision Making. 2.2 Method for Calculation of the Weight of Criteria -- 3 Experimental Setup -- 4 Determining the Best Alternative When CBN Grinding SKD11 Tool Steel -- 4.1 Calculating the Weights for the Criteria -- 4.2 Finding the Best Experimental Setup Using MOORA Method -- 5 Conclusions -- References --

Study on Multi-criteria Optimization in CBN Grinding SKD11 Tool Steel -- 1 Introduction -- 2 Experimental Work -- 3 Multi-objective Optimization -- 4 Results and Analysis -- 5 Conclusions --

References -- A Study on Optimization of Helical Worm Gearboxes Based on Volume Function -- 1 Introduction -- 2 Methodology -- 2.1 Gearbox Volume Analysis -- 2.2 Calculating Center Distance and Pitch Diameters of Helical Gear Drive -- 2.3 Calculating Center Distance and Pitch Diameters of Worm Drive -- 3 Experimental Setup -- 4 Results Discussion -- 4.1 The Influence of Input Parameters and Their Interactions -- 4.2 Determining Regression Model for Calculating  $u_2$  -- 4.3 Analysis of Variance-ANOVA -- 4.4 Validation of Proposed Model -- 5 Conclusions -- References -- A Study on Wearing and Tool Life of Shredding Machine Cutters When Cutting Fabric Industrial Waste -- 1 Introduction -- 2 Wearing and Tool Life of Cutters -- 3 Machining Regime Optimization -- 3.1 Machining Capacity -- 3.2 Optimization According to the Objective Function of the Maximum Productivity -- 4 Conclusions -- References -- A System Engineering Approach to Model and Implement Planar Trajectory-Tracking Controllers for Autonomous Underwater Vehicles -- 1 Introduction -- 2 AUV Dynamics and Control Structure -- 2.1 AUV Dynamic Model for Control -- 2.2 General Control Structure for an AUV -- 3 Specializing the Model-Driven Architecture to Develop the AUV'S Planar Trajectory-Tracking Controller -- 3.1 Defining the Computation Independent Model -- 3.2 Building the Platform Specific Model. 3.3 Constructing the Platform Specific Model -- 4 Application -- 5 Conclusion and Future Work -- References -- Active Disturbance Rejection Control of an Antagonistic Muscle -- 1 Introduction -- 2 System Description -- 3 Active Disturbance Rejection Controller Design -- 3.1 System Modeling -- 3.2 Controller Design -- 4 Experimental Results -- 5 Conclusion -- References -- An Approach for Optimizing the Hedge-Algebras-Based Controller and Application in Structural Vibration Control -- 1 Introduction -- 2 Investigated Model -- 3 Control Design -- 4 Numerical Simulation -- 5 Conclusion -- References -- An Enhanced Hybrid Jaya Algorithm for Size Optimization of Truss Structure Under Frequency Constraints -- 1 Introduction -- 2 Definitions of the Problems -- 3 Optimization Algorithms -- 3.1 Differential Evolution -- 3.2 Jaya Algorithm -- 3.3 An Enhanced Hybrid Jaya Algorithm -- 4 Numerical Example -- 4.1 Effects of Mutant Vector, 1, 2 and 3 -- 4.2 Comparison with Other Methods -- 5 Conclusion -- References -- An Evaluation of Some Specifications of Turbine Blades Made by 3D Printing Technology and Processed on CNC Milling Machines -- 1 Introduction -- 2 Research Sample and Measuring Device -- 2.1 Specifications of Turbine Blades -- 2.2 Turbine Blade Design -- 3 Machining Turbine Blades on CNC Milling Machines -- 4 Manufacture of Turbine Blades by 3D Printing Technology -- 5 Results and Discussion -- 5.1 Microstructure -- 5.2 Surface Roughness -- 5.3 Diameter  $\varnothing 1$ ,  $\varnothing 2$  -- 6 Conclusion -- References -- An Optimal Cascade Reservoir Operation Based on Multi-objective Water Cycle Algorithm -- 1 Introduction -- 2 Cascade Reservoir Optimal Scheduling Model -- 3 Multi-objective Water Cycle Algorithm -- 3.1 The Mechanisms and Strategies -- 3.2 Multi-objective Water Cycle Algorithm (MWCA) -- 4 Optimal Cascade Reservoir Scheduling with MWCA. 4.1 Comparative Analysis -- 5 Conclusion -- References -- Analysis of Insulation Characteristics of C2F6-N2 Mixtures -- 1 Introduction -- 2 Analysis -- 3 Results and Discussion -- 4 Conclusions -- References -- Analysis of Surface Defects and Tool Wear in Edge Trimming of CFRPs by Optical Method -- 1 Introduction -- 2 Experimental Setup -- 3 Results and Discussions -- 4 Conclusions -- References -- Anti-torque Controller Using Sliding Mode Linear Quadratic Regulator Applied for Coaxial BLDC Motor -- 1 Introduction -- 2 Coaxial BLDC Motor -- 2.1 System Description -- 2.2 Mathematical Model -- 3 Anti-

torque Controller -- 4 Simulation -- 5 Conclusion -- References --  
Application of EDAS Method for Best Dressing Mode for Internal  
Cylindrical Grinding -- 1 Introduction -- 2 Methodology -- 2.1 Method  
for Multi-criteria Decision Making -- 2.2 Method for Determining  
Criterion Weight -- 3 Experimental Work -- 4 Determining the Best  
Input Dressing Parameters -- 4.1 Determining the Criteria Weights --  
4.2 Determining the Best Input Dressing Parameters -- 5 Conclusions  
-- References -- Application of MARCOS Method for Selecting the Best  
Schema of Scissors Mechanism -- 1 Introduction -- 2 Methodology --  
2.1 Method for Multi-criteria Decision Making -- 2.2 Method  
for Calculation of the Weights of Criteria -- 2.3 Method for Determine  
Lift Table Schema -- 3 Calculation of the Output Responses of the Lift  
Table -- 4 Determining the Best Schema for Scissors Mechanism -- 4.1  
Determining the Criteria Weights -- 4.2 Determining the Best Schema  
of Scissors Mechanism by Using MARCOS Method -- 5 Conclusions --  
References -- Application of MCDM Method in Selection of Schema  
for Optimal Design of Double Scissor Lift Tables -- 1 Introduction -- 2  
Methodology -- 2.1 Method for Multi-criteria Decision Making -- 2.2  
Method for Criteria Weight Determination.  
2.3 Method for Determining Double Scissor Lift Table Schema.

---

### Sommario/riassunto

The International Conference on Engineering Research and Applications (ICERA 2022), held on December 1-2, 2022, at Thai Nguyen University of Technology in Thai Nguyen, Vietnam, provided an international forum to disseminate information on latest theories and practices in engineering research and applications. The conference focused on original research work in areas including mechanical engineering, materials and mechanics of materials, mechatronics and micro mechatronics, automotive engineering, electrical and electronics engineering, information and communication technology. By disseminating the latest advances in the field, the Proceedings of ICERA 2022, Advances in Engineering Research and Application, assists academics and professionals alike to reshape their thinking on sustainable development.

---