NOV@ 2021 - Knižní novinky v technických oborech Nakoupené tituly

Nakoupené tituly		
Kod	ISBN	Název
Autoři ČVUT a	čeští autoři zahra	ničních publikací
		Algebraic Structure of String Field Theory
		Assessment and Protection of Water Resources in Czech Republic
1003	9781786349309	Development of Mathematics Between World Wars
1004	9783030638788	Environmental Challenges in Civil Engineering
1005	9783030663834	Environmental Sustainability Education for Changing World
1006	9783030385606	Knowledge Engineering Tools and Techniques for Al Planning
1008	9781785619175	Modern Power Electronic Devices
1009	9783030401757	New Approaches in Management of Smart Manufacturing Systems
1010	9780367557935	Open Internationalization Strategy
1011	9780367229153	Plasma Technology in Preservation and Cleaning of Cultural Heritage Objects
1012	9783030616588	Recent Advances in Soft Computing and Cybernetics
1013	9783030471262	Recent Developments and New Direction in Soft-Computing Foundations and Applications
1014	9783110589627	Relaxation in Optimization Theory and Variational Calculus
1015	9783030592691	Research and Future of Telematics
1016	9783030619466	Smart and Sustainable Supply Chain and Logistics Volume 1
1017	9780367623180	Sustainable Soil and Land Management and Climate Change
1018	9783110630046	Sustainable Utility Systems: Modelling and Optimisation
1019	9789811592089	Transactions on Engineering Technologies
1020	9780128189948	Transport and Surface Phenomena
Architecture, Design & Civil Engineering		
1101	9781350055605	25 Concepts in Modern Architecture
1104	9780367524432	Analysing Architecture
1109	9780367458966	Art of City Sketching
1122	9783035622263	Construction: Manual
1123	9781782423812	Corrosion of Steel in Concrete Structures
1126	9781032016887	Design of Shallow and Deep Foundations
1130	9781501362835	Digital Drawing for Designers
1131	9781119640769	Digital Sketching: Computer-Aided Conceptual Design
1135	9781859465875	Energy, People, Buildings
1136	9783433033203	Engineered Transparency 2021: Glass in Architecture and Structural Engineering
1137	9780367365141	Entering Architectural Practice
1138	9781859469019	Essential Urban Design
		Future Cities: Visual Guide
		Future of Modular Architecture
		Guide to Successful Brickwork
		Health and Architecture
		Manual of Natural Stone
		Mass Housing: Modern Architecture and State Power
		Modern Theatres 1950–2020
		Practical Civil Engineering
		Progressive Perspective Drawing for Theatrical Scene Design
1178 9783035614602 Renzo Piano		
-	gineering & Bioma	
		Bioprinting: To Make Ourselves Anew
	9780197503140	-
	n & Signal Proces	-
		Advances in Antenna, Signal Processing and Microelectronics Engineering
		Algorithms for Communications Systems and Their Applications
		Biomedical Signal Processing
		Data-Driven Computational Neuroscience
		Digital Image Processing: Algorithmic Approach
		Digital Scenography
		Digital Signal Processing
		Fundamentals of IoT Communication Technologies
		History of Communication Technology
1320	3/81113018253	Image Processing: Dealing with Texture

```
1326 9780367640125 Microelectronics and Signal Processing
```

- 1330 9783030689513 Python Programming for Data Analysis
- 1331 9783030629373 Quantum Communication Networks
- 1332 9783030757410 Signals and Systems
- 1334 9783899863406 Sound Scenography: Art of Designing Sound for Spaces
- 1339 9781484268483 Wireless Network Simulation

Computers & Programming

- 1403 9789811223716 Artificial Intelligence: From Beginning to Date
- 1407 9780367554613 Cloud Computing: Concepts and Technologies
- 1408 9781108716826 Competitive Programming in Python
- 1410 9783030567682 Computer Vision for X-Ray Testing
- **1414** 9780190124083 Data Structures using Python
- 1416 9780367721800 Developing Graphics Frameworks with Python and OpenGL
- 1417 9781839531200 E-Learning Methodologies: Fundamentals, Technologies and Applications
- 1425 9781337397070 Java Programming
- 1426 9780367680633 Javascript for R
- 1427 9780128238172 Mobile Edge Artificial Intelligence
- 1429 9780198788355 Parallel Scientific Computation
- 1430 9781484268513 Practical Arduino Engineering
- 1432 9781119695400 Professional C++
- 1436 9781447175049 Vector Analysis for Computer Graphics
- **1437** 9781119773368 Visual Studio Code for Python Programmers

Economics & Management

- 1501 9781119691969 Advanced Engineering Economics
- 1502 9780367422516 Circular Economy for Management of Operations
- **1505** 9780367183028 Environment and Economy
- **1509** 9781800379961 Pandemic Economics
- 1511 9780128243398 Project Management, Planning and Control
- 1513 9780367431303 Sustainable Production and Logistics

Electrical Engineering

- 1602 9783030651282 Analog and Digital Electronic Circuits
- 1608 9781119695141 Fundamentals of Microelectronics
- **1609** 9783030371975 Handbook of Digital CMOS Technology, Circuits and Systems
- 1611 9780128213605 Power Electronics and Motor Drives

Environmental Engineering

- 1706 9781119604457 Environmental Engineering: Fundamentals, Sustainability, Design
- 1707 9780367313241 Environmental Chemistry in Society

General Engineering

- **1802** 9781108707725 Engineering Drawing: Principles and Applications
- 1805 9783030772482 Importance of Soft Skills in Engineering and Engineering Education

Geo Sciences & Geoinformatics

- 1906 9780367474089 Global Navigation Satellite Systems
- 1908 9780367432416 In Situ Testing Methods in Geotechnical Engineering
- 1912 9780192843876 Principles of Rock Deformation and Tectonics
- 1913 9780691199528 Rocks and Rock Formations: Key to Identification

Material Science

- 2102 9781788018883 Adhesion Science
- **2107** 9780128205129 Composite Materials: Manufacturing, Properties and Applications
- 2108 9780367687557 Composite Materials: Mechanics, Manufacturing and Modeling
- 2109 9783030289850 Composite Materials: Science and Engineering
- 2110 9780128190050 Composite Reinforcements for Optimum Performance
- 2111 9781569908259 Composite Technology
- **2111** 9781569908259 Composite Technology
- 2119 9780367535506 Materials for Engineers and Technicians
- 2120 9781771888677 Materials Physics and Chemistry
- **2123** 9780128186428 Optical Materials
- 2133 9780367535506 Materials for Engineers and Technicians
- 2136 9781108837897 Testing of Plastic Deformation of Metals
- 2137 9781138491779 Wood Modification Technologies

Mathematics & Statistics

- **2202** 9781009001625 Counterexamples in Measure and Integration
- 2203 9780367076269 Design of Mechanical Systems Based on Statistics

```
2206 9789811229343 Explorations in Numerical Analysis: Python Edition
        2209 9781108495790 Generators of Markov Chains
        2211 9781108476041 Chess and Individual Differences
        2212 9780367716226 Introduction to High-Dimensional Statistics
        2216 9783662632055 Mathematics and Mechanics - Interplay
        2219 9781316606216 Singularities, Bifurcations and Catastrophes
        2220 9780367685997 Soft Computing Approach for Mathematical Modeling of Engineering Problems
Mechanical Engineering
        2304 9780128220498 Advanced Welding and Deforming
        2309 9783030365042 Gears Volume 1: Geometric and Kinematic Design
        2310 9783030386344 Gears Volume 2: Analysis of Load Carrying Capacity and Strength Design
        2311 9783030401665 Gears Volume 3: Concise History
        2321 9783030470340 Springer Handbook of Mechanical Engineering
        2327 9781108489973 Vibration Monitoring of Induction Motors
        2328 9783030680442 Vibrations and Stability
        2330 9781119524816 Welding Metallurgy
Nanoscience, Nanotechnology & Nanomaterials
        2401 9780128239704 Biodegradation and Biodeterioration at Nanoscale
        2404 9780128213469 Emerging Nanotechnologies for Renewable Energy
        2407 9781108492645 Introduction to Metamaterials and Nanophotonics
        2408 9780192895080 Introduction to Quantum Nanotechnology
        2413 9780367689445 Nanomaterials in Bionanotechnology
        2419 9780198834618 Oxide Thin Films and Nanostructures
        2505 9781138196575 Handbook of Laser Technology and Applications 4 Vols
        2507 9781138032033 Laser-Matter Interaction for Radiation and Energy
Physics & Chemistry
        2610 9783030607760 Fundamentals of Modern Unsteady Aerodynamics
        2612 9781108490146 Guide to Monte Carlo Simulations in Statistical Physics
        2613 9780128239162 Handbook of Small Modular Nuclear Reactors
        2627 9789814877251 Physics of Liquid Water
Polymer Science
        2709 9781118717110 Handbook of Plastics Testing and Failure Analysis
Power Engineering
        2805 9780128221433 Electrification
        2806 9780367528034 Emerging Power Converters for Renewable Energy and Electric Vehicles
        2809 9780367678401 Hybrid Power: Generation, Storage and Grids
        2810 9780367499648 Internet of Energy Handbook
        2814 9780367535933 Power and Distribution Transformers
RF and Microwave Engineering
        2905 9783030636579 Fundamentals of High Frequency CMOS Analog Integrated Circuits
        2907 9781138062863 Handbook of Radar Signal Analysis
        2909 9781118449752 Microwave Circuit Design Using Linear and Nonlinear Techniques
        2910 9780367542917 Practical Analog and RF Electronics
Safety Management & Engineering
        3002 9780367516512 Hazards and Safety in Process Industries
        3004 9780128181096 Process Safety Management and Human Factors
        3005 9781138543973 Radiation Therapy Dosimetry
        3007 9789813342712 Technical Safety, Reliability and Resilience
Transport Engineering
        3101 9783030678487 Aerospace and Digitalization
        3103 9781119765349 Automated Vehicles and MaaS
        3106 9780367275198 Aviation Safety and Security
        3107 9780367419165 Bicycle Engineering and Technology
        3108 9780367636012 City and Transportation Planning
        3111 9789811206740 High-Speed Rail: Analysis of Chinese Innovation System
        3112 9780367366599 Introduction to Unmanned Aircraft Systems
        3113 9783030662653 Managing Risks in Railway System
        3114 9780367419196 Motorcycle Engineering
        3115 9780815357131 Primer on Automotive Lightweighting Technologies
        3116 9780367714741 Principles and Practices of Transportation Planning and Engineering
        3117 9789811608964 Principles of Integrated Airborne Avionics
```

- 3118 9780128229019 Role of Infrastructure for Safe Transition to Automated Driving
- 3120 9781785617744 Smart Sensing for Traffic Monitoring
- **3121** 9783319996288 Systems Engineering for Automotive Powertrain Development
- 3122 9781839530258 Traffic Information and Control

Učebnice

- 3202 9780367643782 Bird's Engineering Mathematics
- **3203** 9780367643737 Bird's Higher Engineering Mathematics
- **3204** 9783030607227 Concise Introduction to Traffic Engineering
- **3205** 9783662608371 Electrical Systems and Mechatronics
- 3208 9781138390812 Fluid Mechanics, Hydraulics, Hydrology and Water Resources for Civil Engineers
- **3209** 9781108948128 Fundamentals of Astrophysics
- **3211** 9781265335328 Physical Geology
- **3211** 9781265335328 Physical Geology
- **3214** 9781119706403 Theory and Design for Mechanical Measurements