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And although many conferences we have been publishing did not take place in a physical sense, the online availability of the very same proceedings makes it possible for academicians and corporate researchers, and engineers to stay abreast of their respective fields of interest.

TTP has been able to publish a significant number of new books since the last catalogue in 2019 and is proud to have met and meet our publishing schedule for the years 2020 and 2021.

We would like to thank you for your support, and we hope to see you soon at one of the conferences we will be attending and publishing in the years ahead.

I am looking forward to your feedback,
Anne-Kristin Wohlbier, CEO



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Anne-Kristin Wohlbier, CEO
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Current books

Published 2020

- Conference Proceedings
- Special Topic Books





23rd Brazilian Conference on Materials Science and Engineering

Selected, peer-reviewed papers from the 23rd Brazilian Conference on Materials Science and Engineering (23rd CBECIMAT), November 4-8, 2018, Foz do Iguaçu, Brazil

Edited by: Lalgudi Venkataraman Ramanathan

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Biomaterials, Biotechnology, Ceramic Tiles, Clay Brick, Coatings, Composites, Concrete, Constructional Ceramics, Corrosion, Cryogenic Treatment, Drug Delivery System, Electrochemical Properties, Electrode, Electrolysis, Electrolyte, Functional Ceramics, Graphene, Graphite, Heat Treatment, Implant, Mechanical Properties, Metal Oxide, Microstructure, Nanomaterials, Polymers, Red Ceramics, Reinforcement, Sintering, Solar Cells, Solidification, Steel, Supercapacitor, Surface, Thermal Degradation, Tribological Properties, Welding

Prices: Print: **US\$ 352.00/ EUR 352.00** Print: 978-3-0357-1746-4
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3746-2
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 534 pages, 2020

<https://www.scientific.net/978-3-0357-1746-4/book>



26th Concrete Days

Selected, peer-reviewed papers from the 26th International Conference Concrete Days 2019 (26th CD 2019), November 20 – 21, 2019, Hradec Kralove, Czech Republic

Edited by: Šárka Nenadálová and Petra Johová

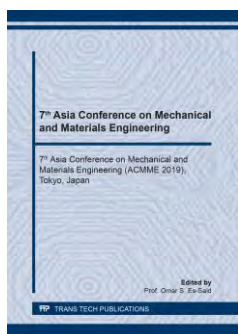
Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Manufacturing, Materials Science, Mechanics

Keywords: Beam, Column, Compressive Strength, Concrete, Corrosion Resistance, Design, Durability, Fabrication Technologies, Fibre Reinforced Concrete, Fire Resistance, High-Performance Concrete, Measurements, Mechanical Properties, Modeling, Pile, Production Technologies, Reinforcing, Slab, Structural Concrete Elements, Supplementary Cementitious Materials, Testing

Prices: Print: **US\$ 304.00/ EUR 304.00** Print: 978-3-0357-1668-9
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3668-7
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 304 pages, 2020

<https://www.scientific.net/978-3-0357-1668-9/book>



7th Asia Conference on Mechanical and Materials Engineering

Selected, peer reviewed papers from the 7th Asia Conference on Mechanical and Materials Engineering (ACMME 2019), June 14-17, 2019, Tokyo, Japan

Edited by: Prof. Omar S. Es-Said

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Adsorbents, Alloys, Biomaterials, Building Materials, Coagulation, Coatings, Die Casting, Engineering Tribology, Hot Extrusion, Material Processing, Membrane, Steel, Surface

Prices: Print: **US\$ 264.00/ EUR 264.00** Print: 978-3-0357-1620-7
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3620-5
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 264 pages, 2020

<https://www.scientific.net/978-3-0357-1620-7/book>



8th Asia Conference on Mechanical and Materials Engineering

Selected, peer-reviewed papers from the 8th Asia Conference on Mechanical and Materials Engineering (ACMME 2020), June 11-14, 2020, Singapore, Singapore

Edited by: Prof. Omar S. Es-Said

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Composites, Concrete, Electron Beam Melting, Functional Materials, Mechanical Properties, Nanomaterials, Polymers, Shot Peening, Steel, Thermal Properties

Prices: Print: **US\$ 126.00/ EUR 126.00** Print: 978-3-0357-1705-1
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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 126 pages, 2020

<https://www.scientific.net/978-3-0357-1705-1/book>



Achievements and Solutions in Mechanical Engineering II

Selected, peer reviewed papers from the 5th International Conference of Mechanical Engineering (ICOME 2019), October 24-25, 2019, Craiova, Romania

Edited by: Nicolae Dumitru, Nicolae Craciunoiu and Adrian Sorin Rosca

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, General Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Applied Mechanics, Automotive, Biomechanics, Composites, Computational Mechanics, Cutting, Design, Mechanical Engineering, Milling, Modeling, Molding Injection, Seismic Engineering, Simulation, Steel, Turning, Urban Planning

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 408 pages, 2020

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Actual Challenges in Materials Science and Processing Technologies

Special topic volume with invited peer reviewed papers only

Edited by: Gennadiy Pivnyak, Roman Dychkovskiy, Edgar Cabana, Vasyl Lozynskiy and Pavlo Saik

Special Topic

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Coal, Coatings, Environmental Engineering, Functional Materials, Gasification, Materials Processing, Mineral Processing, Ores, Plasma Treatment, Rolling, Steel

Prices: Print: **US\$ 198.00/ EUR 198.00** Print: 978-3-0357-1139-4
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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 206 pages, 2020

<https://www.scientific.net/978-3-0357-1139-4/book>



Actual Problems of Engineering Mechanics: Materials Science and Technologies

Selected peer-reviewed papers from the 7th International Conference "Actual problems of engineering mechanics", (APEM-2020), 13 May, Odesa, Ukraine

Edited by: Mykola Surianinov

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Applied Mechanics, Building Materials, Building Structure, Cast Iron, Cement, Cement Binders, Clay Concrete, Composites, Computational Mechanics, Concrete, Machinery, Numerical Modeling, Polymer Composite, Polymers, Reinforced Concrete, Steel, Structural Mechanics, Thermal Insulation Materials

Prices: Print: **US\$ 253.00/ EUR 253.00** Print: 978-3-0357-1809-6
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3809-4
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 318 pages, 2020

<https://www.scientific.net/978-3-0357-1809-6/book>



Advanced Engineering Forum Vol. 36

Edited by: Dumitru Nedelcu

Journal Volume

Topics: Building Materials, Civil Engineering, Construction, Electronics, Industrial Engineering, Manufacturing, Materials Science, Mechanical Engineering

Keywords: Absorbed Energy, Concentrating Solar Power (CSP), Creep, Cutting Force, Defect Reduction, DFT Calculations, Electromagnetism, Epoxy Resin, Fiber Reinforced Concrete, Incident Ray, Quality Control Tool, Relativistic Engine, Scheffler Concentrator, Surface Roughness, Tin-Lead Solder, Wheat Husk Pulp

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 140 pages, 2020

<https://www.scientific.net/978-3-0357-1467-8/book>



Advanced Engineering Forum Vol. 37

Edited by: Dumitru Nedelcu

Journal Volume

Topics: Bioscience and Medicine, Civil Engineering, Environmental Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Aluminum Alloys, Attenuation of Heavy Metals, Butt Joint, Cloud Computing, Coconut Husk, Coefficient of Friction (CoF), Composites, Damage Characterization, Detection Methods, Dissimilar Welding, Dynamic Scheduling, Experimental Modal Analysis (EMA), FEM Modeling, Friction Stir Welding, Glaucoma, Heavy Metal Adsorbent, Modal Parameters, Porous Asphalt Pavement, Resource Allocation, Resource Optimization, Resource Priority, Service Level Agreement, Stormwater Runoff, Variational Mode Decomposition, Wear

Prices: Print: **US\$ 76.00/ EUR 76.00** Print: 978-3-0357-1709-9
 eBook Single-User: **US\$ 152.00/ EUR 152.00** eBook: 978-3-0357-3709-7
 eBook Multi-User: **US\$ 266.00/ EUR 266.00** 76 pages, 2020

<https://www.scientific.net/978-3-0357-1709-9/book>



Advanced Engineering Forum Vol.35

Edited by: Dumitru Nedelcu

Journal Volume

Topics: Civil Engineering, Industrial Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Bicriteria Scheduling Problems, Biodiesel, Braced Frame, Cavitation, Deep Eutectic Solvents, Diesel Engine, Distributed Power Generation, Drilling Operation, Electrical Machines, Engineering Management, Exhaust Gas Recirculation (EGR), Explosive Boiling, Kaplan Turbine, Loss Circulation Prevention, Magnesium Alloy, Molecular Dynamic Simulation, Optimal Integration, Optimization Problem, Risk Analysis, Scheduling, Seismic Performance, Smallsat, Streamlines, Thermodynamic Stability, Total Completion Time, Wind Energy

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 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3418-8
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 130 pages, 2020

<https://www.scientific.net/978-3-0357-1418-0/book>



Advanced Engineering Forum Vol.38

Edited by: Takashi Minegishi

Journal Volume

Topics: Bioscience and Medicine, Electronics, General Engineering, Information Technologies, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Biochemistry, Biomedical Engineering, Ceramics, Circuit Technologies, Data Processing, Electrochemistry, Information Security, Ionic Conductivity, Machinery, Nanofibers, Nanotechnologies, Oligonucleotides, Peptide Antigens, Photocatalytic Activity, Power Electronics, Semiconductors, Signal Processing, Thin Films

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 246 pages, 2020

<https://www.scientific.net/978-3-0357-1614-6/book>



Advanced Materials and Application III

Selected, peer-reviewed papers from the 3rd International Symposium on Advanced Materials and Application (ISAMA 2020), February 14-16, 2020 Seoul, South Korea

Edited by: Prof. Mosbeh Kaloop

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Bioethanol Production, Building Materials, Cement, Composites, Concrete, Die Casting, Mechanical Properties, Membranes, Polymers, Process Technology, Roll Casting, Solvothermal Synthesis, Spark Plasma Sintering, Steel

Prices: Print: **US\$ 182.00/ EUR 182.00** Print: 978-3-0357-1680-1
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 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 182 pages, 2020

<https://www.scientific.net/978-3-0357-1680-1/book>



Advanced Materials and Engineering Materials IX

Selected, peer-reviewed papers from the 9th International Conference on Advanced Materials and Engineering Materials (ICAMEM 2020), July 3-5, 2020, Bangkok, Thailand

Edited by: Prof. Peng Sheng Wei

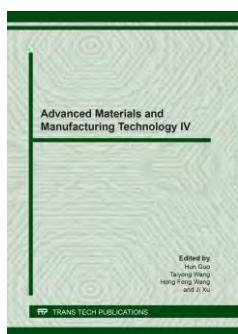
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Construction, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Asphalt, Biomaterials, Biotechnology, Building Materials, Cement, Ceramics, Chemical Technologies, Composites, Computational Procedure, Concrete, Electrical Discharge Machining, Electronic Structure, Functional Materials, Laser Treatment, Mechanical Properties, Nanosheet, Numerical Simulation, Parameter Optimization, Polymers, Protoplast, Semiconductors, Solar Cells, Steel, Surface Roughness, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 568 pages, 2020

<https://www.scientific.net/978-3-0357-1669-6/book>



Advanced Materials and Manufacturing Technology IV

Special topic volume with invited peer-reviewed papers only

Edited by: Hun Guo, Taiyong Wang, Hong Feng Wang and Ji Xu

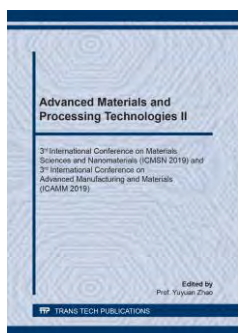
Special Topic

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Annealing, Coatings, Composites, Corrosion, Cutting, Engineering Tribology, Heat Treatment, Lapping, Laser Cladding, Materials Processing, Milling, Polishing, Reaming Process, Steel, Surface

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<https://www.scientific.net/978-3-0357-1387-9/book>



Advanced Materials and Processing Technologies II

Selected, peer reviewed papers from the 3rd International Conference on Materials Sciences and Nanomaterials (ICMSN 2019) and the 3rd International Conference on Advanced Manufacturing and Materials (ICAMM 2019), 29-31 May, 2019, Beijing, China

Edited by: Prof. Yuyuan Zhao

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloys, Bonding, Building Materials, Ceramics, Composites, Computational Materials Science, Forging, Forming, Mechanical Properties, Nanoparticles, Polymers, Processing Technologies, Steel, Structural Elements

Prices: Print: **US\$ 222.00/ EUR 222.00** Print: 978-3-0357-1555-2
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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 222 pages, 2020

<https://www.scientific.net/978-3-0357-1555-2/book>



Advanced Materials and Technologies V

Special topic volume with invited peer-reviewed papers only

Edited by: Dr. Stanislav Kolisnychenko

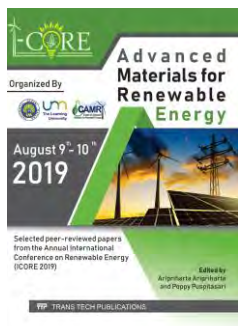
Special Topic

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Ceramics, Composites, Concrete Structure, Contact Pressure, Cryogenic Heat Treatment, Cutting, Die Stamping, Earth Abundant Metals, Martensitic Transformation, Mechanical Properties, Metal Matrix Composites, Metallic Glass Matrix Composites, Photocatalysis, Polymer Matrix Composite, Solidification, Steel, Steel Corrosion, Wastewater Purification, Welding

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 186 pages, 2020

<https://www.scientific.net/978-3-0357-1408-1/book>



Advanced Materials for Renewable Energy

Selected, peer-reviewed papers from the annual International Conference on Renewable Energy (ICORE 2019), August 9-10, 2019, Malang, East Java, Indonesia

Edited by: Aripriharta and Dr. Poppy Puspitasari

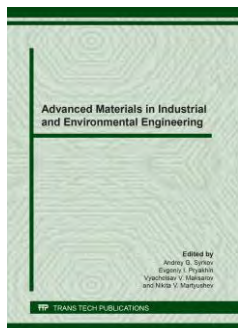
Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Electronic Material, Magnetic Material, Nanomaterial, Oxide Material, Renewable Energy

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Advanced Materials in Industrial and Environmental Engineering

Selected, peer-reviewed papers from the Conference Nanophysics and Nanomaterials (NaN), on November 27-28, 2019, St. Petersburg, Russia.

Edited by: Andrey G. Syrkov, E.I. Pryakhin, Vyachelsav V. Maksarov and Nikita V. Martyushev

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Ceramics, Coatings, Composites, Computational Analysis, Fullerene, Functional Materials, Hydroxyapatite, Mechanical Properties, Metallurgy, Microanalysis, Microstructure, Minerals, Modeling, Nanomaterials, Nanopowder, Process Technologies, Semiconductors, Steel, Surface Treatment, Thin Films, Waste Processing

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<https://www.scientific.net/978-3-0357-1802-7/book>



Advanced Materials Research QIR 16

Selected, peer-reviewed papers from the 16th International Conference on Quality in Research (16th QiR), July 22 – 24, 2019, Padang, Indonesia

Edited by: Anne Zulfia and Wahyuaji Narottama Putra

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Biomaterials, Ceramics, Chemical Technologies, Lithium-Ion Batteries, Material Properties, Membranes, Metal, Metallurgy, Nanomaterials, Polymers, Processing Technology, Steel, Welding

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<https://www.scientific.net/978-3-0357-1599-6/book>



Advanced Materials Research X

Selected, peer-reviewed papers from the 10th International Conference on Advanced Materials Research (10th ICAMR-2020), January 17-20, 2020, Okinawa, Japan

Edited by: Amanda F. Wu and Prof. Alan Kin Tak Lau

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Alloys, Biofilm, Biosensing, Breast Carcinoma, Building Materials, Caries, Concrete, Cutting, Degradation, Electrical Discharge Machine, Electrochemical Properties, Friction Stir Spot Joining, Grinding, Hyperthermia Treatment, Nanoparticles, Photodegradation, Punching, Reinforcement Material, Semiconductor, Sensing, Steel, Surface Roughness, Thin Films, Waste Recycling

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Advanced Materials Research, Vol. 1159

Edited by: Prof. Alan Kin Tak Lau

Journal Volume

Topics: Bioscience and Medicine, Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Aluminum, Concrete, Crystallite Size, Dual Reinforcement Particles (DRP), Epoxy, Extrusion, Fiber Content, *Ficus religiosa*, Finite Element Method, Fly Ash, Glucose, Mechanical Properties, Mechanical Strength Properties, Micro Hardness, Microstructure, Nanoparticles, Natural Frequency, Polymer, Polypropylene Homo, Polyurethane Varnish, Shear Strength, Solder, Stir Casting, Surface Modification, Temperature, Titanium Carbide (TiC), Vickers Hardness

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Advanced Materials Science II

Selected, peer reviewed papers from the 2nd International Conference on Advanced Materials Science (ICOAMS 2019), October 23-24, 2019, Surakarta, Indonesia

Edited by: Assoc. Prof. Dr. Waluyo Adi Siswanto and Assoc. Prof. Dr. Tri Widodo Besar Riyadi

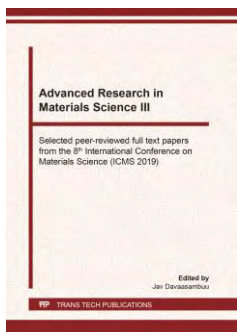
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Biodiesel, Biotechnology, Cast Iron, Coagulation, Coatings, Combustion Synthesis, Concrete, Contact Pressure, Corrosion, Crude Oil Treatment, Friction Welding, Heat Treatment, Heterogeneous Catalyst, Microstructure, Natural Dyes, Oil-Displacing Agent, Pyrolysis, Solidification, Steel, Stress-Strain State, Wastewater Treatment, Welding

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Advanced Research in Materials Science III

Selected, peer-reviewed papers from the 8th International Conference on Materials Science (ICMS 2019) August 24-28, 2019, Ulan-Ude, Russia

Edited by: Jav Davaasambu

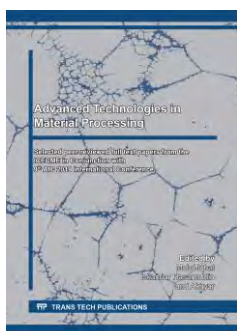
Conference Proceedings

Topics: Electronics, Manufacturing, Materials Science, Nanoscience

Keywords: Alloys, Amorphous Materials, Ceramics, Diffusion, Electronic Structure, Nanostructures, Optical Absorption Properties, Rare Earth Materials, Semiconductors, Thin Films

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 168 pages, 2020

<https://www.scientific.net/978-3-0357-1569-9/book>



Advanced Technologies in Material Processing

Selected, peer-reviewed papers from the International Conference on Experimental and Computational Mechanic in Engineering (ICECME), September 18-19, 2019, Banda Aceh, Indonesia

Edited by: Dr. Mohd Iqbal, Iskandar Hasanuddin and Akhyar

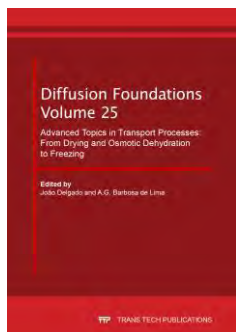
Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Casting, Composites, Concrete, Delamination, Drilling, Friction Stir Spot Welding, Mechanical Properties, Microstructure, Numerical Modeling, Rubber, Steel, Technological Parametres

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Edited by: João Delgado and A.G. Barbosa de Lima

Special Topic

Topics: Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanics

Keywords: Absorption, Cooling, Drying, Food Preservation, Freezing, Heat and Mass Transfer, Osmotic Dehydration

Prices: Print: **US\$ 180.00/ EUR 180.00** Print: 978-3-0357-1645-0
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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 180 pages, 2020

<https://www.scientific.net/978-3-0357-1645-0/book>



Advances in Environmental Engineering and Sustainability

Special topic volume with invited peer reviewed papers only

Edited by: Adriana Eštoková, Vojtěch Václavík, Tomáš Dvorský and Nadežda Številová

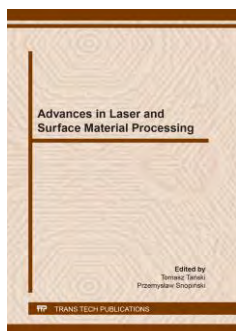
Special Topic

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, Environmental Engineering, Industrial Engineering, Manufacturing, Materials Science, Transportation

Keywords: Additions, Arable Land, Biodegradation, Bioremediation, Building Materials, Cellulose Fiber, Cement, Compost, Concrete, Contaminated Soil, Environmental Impact Assessment, Green Roof, Life Cycle Assessment, Pollution, Recycled Materials, Steel Slag, Sustainable Construction

Prices: Print: **US\$ 196.00/ EUR 196.00** Print: 978-3-0357-1658-0
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3658-8
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 196 pages, 2020

<https://www.scientific.net/978-3-0357-1658-0/book>



Advances in Laser and Surface Material Processing

Special topic volume with invited peer-reviewed papers only

Edited by: Prof. Tomasz Tański and Dr. Przemysław Snopiński

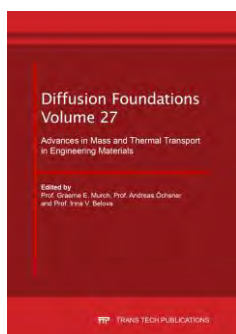
Special Topic

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Additive Manufacturing, Laser Alloying, Laser Thermal Oxidation, Selective Laser Melting, Solar Cells, Surface Deformation, Titanium Alloys

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1652-8
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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 192 pages, 2020

<https://www.scientific.net/978-3-0357-1652-8/book>



Advances in Mass and Thermal Transport in Engineering Materials

Special topic volume with invited peer reviewed papers only

Edited by: Prof. Graeme E. Murch, Prof. Andreas Öchsner and Prof. Irina V. Belova

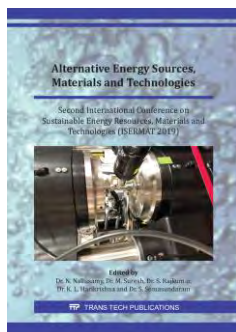
Special Topic

Topics: Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Alloys, Atoms Transport, Ceramics, Composites, Crystal Structure, Defects, Diffusion, Heat Treatment, Intermetallic Compounds, Isovolumetric Thermal Desorption, Mass Transfer, Modelling, Molecular Dynamics, Nanocomposites, Numerical Analysis, Phase Transformation, Polymers, Porous Media

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 208 pages, 2020

<https://www.scientific.net/978-3-0357-1222-3/book>



Alternative Energy Sources, Materials and Technologies II

Selected, peer reviewed papers from the Second International Conference on Sustainable Energy Resources, Materials and Technologies (ISERMAT 2019), March 14 -15, 2019, Chennai, India

Edited by: Dr. N. Nallusamy, Dr. M. Suresh, Dr. S. Rajkumar, Dr. K. L. Harikrishna and Dr. S. Somasundaram

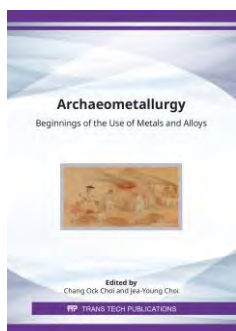
Conference Proceedings

Topics: Bioscience and Medicine, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Abrasive Water Jet Machine (AWJM), Alloys, Biomaterials, Ceramics, Composites, Extrusion, Friction Processing Technologies, Laser Processing, Metal Matrix Composites, Nanofluid, Nanospheres, Photocatalysis, Steel, Stir Casting, Thin Film, Welding

Prices: Print: **US\$ 210.00/ EUR 210.00** Print: 978-3-0357-1567-5
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3567-3
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 210 pages, 2020

<https://www.scientific.net/978-3-0357-1567-5/book>



Archaeometallurgy

Selected, peer reviewed papers from the Ninth International Conference on the Beginnings of the Use of Metals and Alloys (BUMA IX), October 16 - 19, 2017, Busan, Korea

Edited by: Prof. Chang Ock Choi and Jea-Young Choi

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: 3D Laser Scanner, Ancient Metallurgical Remains, Ancient Mold Techniques, Ancient Technology, Archaeometallurgy, Bronze, Diffraction, Iron, Manganese, Neutron Tomography, Non-Invasive Investigation, Smelting Furnace

Prices: Print: **US\$ 92.00/ EUR 92.00** Print: 978-3-0357-1321-3
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3321-1
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 92 pages, 2020

<https://www.scientific.net/978-3-0357-1321-3/book>



Broad Exposure to Science and Technology

Selected, peer reviewed papers from the Broad Exposure to Science and Technology Conference (BEST2019), August 7-8, 2019, Bali, Indonesia

Edited by: Dr. Endarto Y. Wardhono

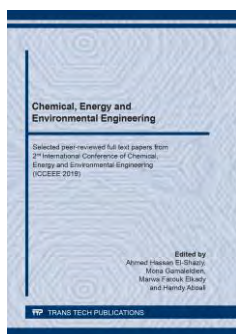
Conference Proceedings

Topics: Bioscience and Medicine, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Activated Carbon, Alloy, Anodization, Biodegradable Material Matrix, Biofuel, Biomass, Biomaterials, Ceramics, Coatings, Corrosion, Esterification, Hydroxyapatite, Mechanical Properties, Metal Matrix Composite, Nanofibers, Pyrolysis, Reduction Process, Steel, Stir Casting, Transesterification, Ultrafiltration, Water Treatment, Wound Dressing

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 216 pages, 2020

<https://www.scientific.net/978-3-0357-1573-6/book>



Chemical, Energy and Environmental Engineering

Selected, peer-reviewed papers from the 2nd International Conference of Chemical, Energy and Environmental Engineering (ICCEE 2019), July 16-18, 2019, Alexandria, Egypt.

Edited by: Prof. Ahmed Hassan El-Shazly, Prof. Mona G. Ibrahim, Dr. Marwa Farouk El-Kady and Dr. Hamdy Aboali

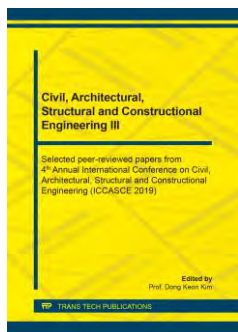
Conference Proceedings

Topics: Environmental Engineering, Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Absorption, Biofuel, Biohydrogen, Bioreactor, Dehumidification, Desalination, Electrochemical Synthesis, Electrooxidation, Evaporation, Films, Hydrophilic Polystyrene, Membranes, Microreactor Technology, Nanofluid, Nanoparticles, Photocatalytic Degradation, Pyrolysis, Semiconductors, Silica Synthesis, Waste Recycling, Wastewater Treatment

Prices: Print: **US\$ 231.00/ EUR 231.00** Print: 978-3-0357-1711-2
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3711-0
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 256 pages, 2020

<https://www.scientific.net/978-3-0357-1711-2/book>



Civil, Architectural, Structural and Constructional Engineering III

Selected, peer reviewed papers from the 4th Annual International Conference on Civil, Architectural, Structural and Constructional Engineering (ICCASCE 2019), November 15-17, 2019, Jeju Island, South Korea

Edited by: Prof. Dong Keon Kim

Conference Proceedings

Topics: Building Materials, Civil Engineering, General Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Building Materials, Cement, Composites, Concrete, Corrosion, Heat Treatment, Mechanical Properties, Nanofiber, Plasma Technology, Polymers, Shear Strength, Solidification, Steel, Surface Modification

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1472-2
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3472-0
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 270 pages, 2020

<https://www.scientific.net/978-3-0357-1472-2/book>



Composite Materials and Material Engineering IV

Selected peer-reviewed papers from 5th International Conference on Composite Materials and Material Engineering (ICCMME 2020)

Edited by: Prof. Jong Hak Kim

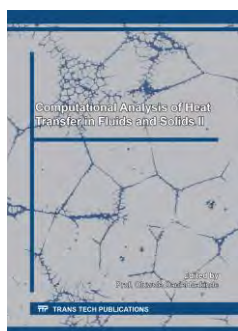
Conference Proceedings

Topics: Building Materials, Civil Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Building Materials, Cement, Compressive Strength, Concrete, Crystallization Behavior, Fiber Reinforced Composite, Injection Mold, Interlaminar Fracture Toughness, Laminates, Mechanical Properties, Nanoparticles, Nanotubes, Phonon-Mediated Thermal Transport, Piezoelectric Materials, Polymer Composites, Solid Oxide Electrolysis Cell

Prices: Print: **US\$ 186.00/ EUR 186.00** Print: 978-3-0357-1619-1
 eBook Single-User: **US\$ 187.00/ EUR 187.00** eBook: 978-3-0357-3619-9
 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 186 pages, 2020

<https://www.scientific.net/978-3-0357-1619-1/book>



Computational Analysis of Heat Transfer in Fluids and Solids II

Special topic volume with invited peer-reviewed papers only

Edited by: Prof. Oluwole Daniel Makinde

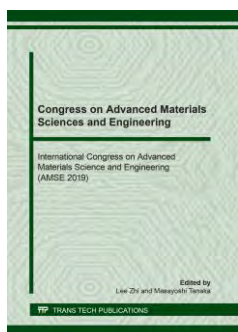
Special Topic

Topics: Materials Science

Keywords: Biomechanics, Boundary Layers Theory, Computational Techniques, Entropy Analysis, Heat, Hydrodynamics Lubrication, Magnetohydrodynamics, Mass Transfer, Nanofluid Dynamics, Solids, Thermal Radiation, Thermodynamics of Fluids

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 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3601-4
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 208 pages, 2020

<https://www.scientific.net/978-3-0357-1601-6/book>



Congress on Advanced Materials Sciences and Engineering

Selected, peer reviewed papers from the International Congress on Advanced Materials Science and Engineering (AMSE), July 22 – 24, 2019, Osaka, Japan

Edited by: Lee Zhi and Masayoshi Tanaka

Conference Proceedings

Topics: Building Materials, Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacture, Alloys, Ceramics, Composites, Corrosion, Epitaxially Grown, Nanograined Metals, Photoluminescence Properties, Plasma Surface Modification, Polymers, Semiconductors, Steel, Structural Materials, Surface Treatment, Thin Films, Titania Pillared Clay Membrane, Titanium Dioxide, Zirconia

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 eBook Single-User: **US\$ 187.00/ EUR 187.00** eBook: 978-3-0357-3561-1
 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 178 pages, 2020

<https://www.scientific.net/978-3-0357-1561-3/book>



Construction: Materials Processing and Technologies

Special topic volume with invited peer reviewed papers only

Edited by: Ghassan H. Abdul Majid, Salah Albermany, Ahmed J. Obaid and Dr. Laith A. Alasady

Conference Proceedings

Topics: Building Materials, Civil Engineering, Environmental Engineering, Manufacturing, Materials Science

Keywords: Adsorption, Anti-Slip Sand, Biodiesel, Compressive Strength, Concrete Waste Material, Density, Desorption Study, Eggshell Powder, Electrocoagulation, Energy Absorption, Flexural Strength, Flocculent Settling, GIS, Green Buildings, Green Roof, Hardened Concrete, Impact, Land Surface Temperature, Landsat8, Microreactor, Microstructure, Nano-Fe2O3, Nanomaterials, NanoScience, Natural Aggregate, NDVI, Optimization, SEM, Sewage Sludge, Strength Properties, Suspended Solids, Sustainable

Prices: Print: **US\$ 144.00/ EUR 144.00** Print: 978-3-0357-1677-1
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3677-9
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 144 pages, 2020

<https://www.scientific.net/978-3-0357-1677-1/book>



Current Advances in Materials Applications

Special topic volume with invited peer-reviewed papers only

Edited by: Dr. Omar Dahham and Nik Noriman Zulkepli

Special Topic

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Biomaterials Dental Composite, Building Materials, Chemical Technologies, Degradation, Environmental Engineering, Metal Ceramic Composite, Nanomaterials, Photonic Crystal, Polymer Composite, Processing Technology, Semiconductor, Steel, Superconductor, Thin Film

Prices: Print: **US\$ 330.00/ EUR 330.00** Print: 978-3-0357-1751-8
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3751-6
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 656 pages, 2020

<https://www.scientific.net/978-3-0357-1751-8/book>



Development and Investigation of Materials Using Modern Techniques II

Selected, peer-reviewed papers from the 3rd International Conference on Advanced Materials Characterization Techniques (AMCT 2019), July 23-24, 2019, Kangar, Malaysia

Edited by: Dr. Ruhuyuddin Mohd Zaki, Zainal Arifin Ahmad, Dr. Khairrel Rafezi Ahmad, Khairul Nizar Ismail, Dr. Mohd Sobri Idris, Faizul Che Pa, Mohd Fitri Mohamad Wahid, Wan Mohd Wan Ibrahim, Darus Murizam, Noorina Hidayu Jamil, Kasmuin Mohd Zaheruddin and Abdul Haqi Ibrahim

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Biocomposites, Biomaterials, Building Materials, Ceramics, Chemical Technologies, Composites, Environmental Engineering, Fuel Cells, Mechanical Properties, Metal Oxides, Natural Materials, Polymer Composites, Polymers, Processing Technology, Steel

Prices: Print: **US\$ 352.00/ EUR 352.00** Print: 978-3-0357-1582-8
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3582-6
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 712 pages, 2020

<https://www.scientific.net/978-3-0357-1582-8/book>



Diffusion Foundations Vol. 28

Special topic volume with invited peer-reviewed papers only

Edited by: Dr. Lina Kieush

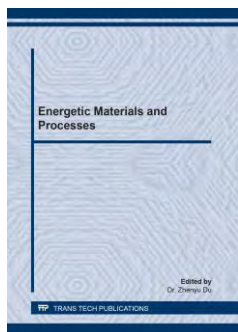
Special Topic

Topics: Materials Science, Mechanical Engineering

Keywords: Anti CRV, Casson Nano Fluid, Chemical Reaction, Computational Fluid Dynamics, Convective Heating, Film Cooling Efficiency, Magneto Hydrodynamics, MHD, Multiphase, Nano-Fluid, Non-Newtonian Flow, Porous Medium, Pressure Drop, Pressure Gradient, Radiation, Stretching Sheet, Thermal Convection, Total Pressure Loss, Travelling Thermal Waves, Trenched Cooling Hole, Wavy Channel, Williamson Fluid Parameter, Williamson Model

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 eBook Single-User: **US\$ 110.00/ EUR 110.00** eBook: 978-3-0357-3743-1
 eBook Multi-User: **US\$ 193.00/ EUR 193.00** 86 pages, 2020

<https://www.scientific.net/978-3-0357-1743-3/book>



Energetic Materials and Processes

Special topic volume with invited peer reviewed papers only

Edited by: Dr. Zhenyu Du

Special Topic

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Computers, Construction, Environmental Engineering, General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Transportation

Keywords: Alloys, Bacterial Resistance, Brick, Building Materials, Ceramics, Coatings, Composites, Concrete, Environmental Engineering, Extraction, Extrusion, Flotation, Groundwater, Machinability, Mechanical Properties, Mineral Processing, Pavement, Pile, Plasma Treatment, Plating, Polymers, Sintering, Soil Failure, Soil Remediation, Steel, Structures, Surface, Water Quality, Welding, Wooden Components

Prices: Print: **US\$ 330.00/ EUR 330.00** Print: 978-3-0357-1674-0
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3674-8
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 564 pages, 2020

<https://www.scientific.net/978-3-0357-1674-0/book>



Engineering and Innovative Materials VIII

Selected, peer reviewed papers from the 8th International Conference on Engineering and Innovative Materials (ICEIM '19), September 6-8, 2019, Tokyo, Japan

Edited by: Heng-Chia Hsieh and Muhammad Yahaya

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Construction, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Activate Carbon, Alloys, Asphalt, Biodiesel, Biomaterials, Burring Process, Cement, Cold Deep Drawing, Collagen, Composites, Concrete, Machining, Mechanical Properties, Micro Milling, Oxidation, Polymers, Rolling, Steel, Two-Phase Flow

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 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3605-2
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 314 pages, 2020

<https://www.scientific.net/978-3-0357-1605-4/book>



Engineering Fluid Flows and Heat Transfer Analysis

Special topic volume with invited peer reviewed papers only

Edited by: Dr. Housseem Laidoudi and Prof. Oluwole Daniel Makinde

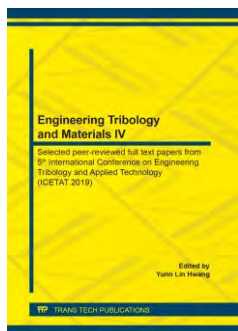
Special Topic

Topics: Materials Science, Mechanical Engineering, Mechanics

Keywords: Absorption Effects, Computational Analysis, Forced Convection, Heat Transfer, Magnetohydrodynamics, Mixed Convection, Natural Convection, Newtonian Fluid Flow, Non-Newtonian Fluid Flow, Porous Media, Reactive Fluid Flow, Thermal Radiation

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 182 pages, 2020

<https://www.scientific.net/978-3-0357-1598-9/book>



Engineering Tribology and Materials IV

Selected, peer-reviewed papers from the 5th International Conference on Engineering Tribology and Applied Technology 2019 (ICETAT 2019), October 25-26, 2019, Tainan, Taiwan

Edited by: Yunn Lin Hwang

Conference Proceedings

Topics: General Engineering, Manufacturing, Mechanical Engineering, Mechanics

Keywords: Applied Technology, Engineering, Material Engineering, Mechanical Engineering, Tribology

Prices: Print: **US\$ 56.00/ EUR 56.00** Print: 978-3-0357-1717-4
 eBook Single-User: **US\$ 66.00/ EUR 66.00** eBook: 978-3-0357-3717-2
 eBook Multi-User: **US\$ 116.00/ EUR 116.00** 56 pages, 2020

<https://www.scientific.net/978-3-0357-1717-4/book>



Engineering: Technological Advances and Research Results

Special topic volume with invited peer-reviewed papers only

Edited by: Dr. Nancy Liu

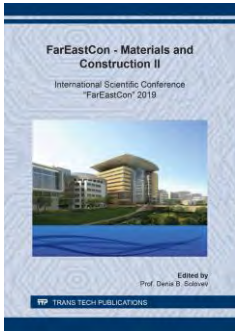
Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Environmental Engineering, Industrial Engineering, Materials Science

Keywords: Bridge Engineering, Building Engineering, Building Materials, Civil Engineering, Environmental Engineering

Prices: Print: **US\$ 98.00/ EUR 98.00** Print: 978-3-0357-1497-5
 eBook Single-User: **US\$ 99.00/ EUR 99.00** eBook: 978-3-0357-3497-3
 eBook Multi-User: **US\$ 173.00/ EUR 173.00** 98 pages, 2020

<https://www.scientific.net/978-3-0357-1497-5/book>



FarEastCon - Materials and Construction II

Selected, peer reviewed papers from the International Scientific Conference (FarEastCon), October 1-4, 2019, Vladivostok, Russian Federation

Edited by: Denis B. Solovov

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Asphalt Concrete, Biocomposites, Building Ceramics, Carbon Nanotubes, Casting, Cement, Ceramics, Coating, Composites, Computational Materials Science, Concrete, Corrosion, Drawing, Electrodeposition, Friction Stir Welding, Functional Materials, Geosynthetic Materials, Gypsum Binder, Heat Treatment, Insulation, Laser Welding, Mechanical Properties, Mechanics, Metal Injection Molding, Metal Matrix Composites, Modeling, Numerical Simulation, Polymer Composites, Polymers, Powder Metallurgy, Reinforcing, Sintering, Spark Plasma Sintering, Steel, Surface Engineering, Tribology, Ultrafine Additions, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 1070 pages, 2020

<https://www.scientific.net/978-3-0357-1588-0/book>



Frontiers of Composite Materials IV

Selected, peer reviewed papers from the 4th International Conference on Frontiers of Composite Materials (ICFCM 2019), November 13-16, 2019, Brisbane, Australia and the 4th International Conference on Energy Engineering and Smart Materials (ICEESM 2019), June 22-24, 2019, Dublin, Ireland

Edited by: Darren Martin and Tatiana Perova

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Biomaterials, Building Materials, Cement, Composites, Computational Material Science, Concrete, Fuel Cell, Membranes, Metal Matrix Composites, Nanocomposites, Polymer Composites, Porous Silicon, Protein Nanoparticles, Solar Cell, Surface Morphology, Thin Films, Wound Dressing

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 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3596-3
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 246 pages, 2020

<https://www.scientific.net/978-3-0357-1596-5/book>



Functional and Functionally Structured Materials IV

Selected, peer reviewed papers from the Chinese Materials Conference 2019 (CMC 2019), July 10-14, 2019, Sichuan, China

Edited by: Prof. Yafang Han

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Adsorption, Alloys, Building Materials, Carbon Emission, Catalytic Degradation, Ceramics, Coatings, Composite Cement Paste, Composites, Computational Methods, Corrosion, Environmental Engineering, Functional Materials, Laser Cladding, Life Cycle Assessment, Materials Failure, Modelling, Non-Ferrous Metals, Oil Well Cement, Polymers, Processing, Properties, Semiconductors, Steel, Surface Treatment, Thi Films, Waste Recycling

Prices: Print: **US\$ 605.00/ EUR 605.00** Print: 978-3-0357-1566-8
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3566-6
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 1588 pages,
 2020

<https://www.scientific.net/978-3-0357-1566-8/book>



Functional Materials

Selected, peer reviewed papers from the International Conference on Functional Materials (ICFM 2019), September 4-6, 2019, Sendai, Japan

Edited by: Shu Yin and Alexander Pesin

Conference Proceedings

Topics: Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Aerogels, Alloys, Building Materials, Composites, Disperse Dye, Gray Iron, Metal Matrix Composites, Metallurgy, Nanocomposites, Nanomaterials, Polymers, Rubber, Steels, Surface Plasmon Resonance, Surfactant, Thin Films

Prices: Print: **US\$ 126.00/ EUR 126.00** Print: 978-3-0357-1600-9
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3600-7
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 126 pages, 2020

<https://www.scientific.net/978-3-0357-1600-9/book>



Functional Materials and Advanced Technologies

Selected, peer reviewed papers from the 4th International Conference on Smart Materials Technologies (4th ICSMT), June 21-23, 2019, Saint-Petersburg, Russian Federation and the 4th International Conference on Advanced Functional Materials (4th ICAFM), August 2-5, 2019, Salt Lake City, USA

Edited by: Prof. Marina Polyakova

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Aerosol Jet Printing, Alloys, Ammonia Removal, Annealing, Benzene, Biomaterials, Catalytic Oxidation, Charcoal, Composites, Drug Delivery System, Laser Sintering, Nanoparticles, Pore Structures, Poroelastic Material, Roads Wearing, Scaffold, Tissue Engineering

Prices: Print: **US\$ 196.00/ EUR 196.00** Print: 978-3-0357-1519-4
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3519-2
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 196 pages, 2020

<https://www.scientific.net/978-3-0357-1519-4/book>



Functional Materials and Metallurgy III

Selected, peer reviewed papers from the 4th International Conference on Functional Materials and Metallurgy (ICFMM), November 27-30, 2019, Osaka, Japan

Edited by: Alexander Pesin and Mikio Ito

Conference Proceedings

Topics: Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Aerogel, Alloys, Bioleaching, Building Materials, Catalytic Oxidation, Composites, Conductive Solid Oxide, Electromagnetic Shielding Materials, Gray Iron, Hydrogel Blend, Metal Matrix Composites, Metallurgy, Nanocomposites, Nanomaterials, Polymers, Rolling, Rubber, Shot Peening, Steel, Thin Films

Prices: Print: **US\$ 156.00/ EUR 156.00** Print: 978-3-0357-1662-7
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3662-5
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 156 pages, 2020

<https://www.scientific.net/978-3-0357-1662-7/book>



Geotechnical Engineering Development

Selected, peer-reviewed papers from the International Conference on Geotechnical Engineering-Iraq (ICGE-Iraq 2020), February 19-20, 2020, Baghdad, Iraq

Edited by: Dr. Mahdi Karkush

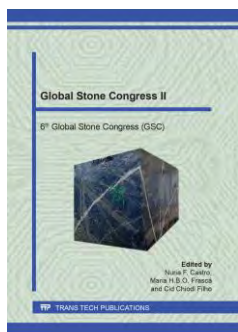
Conference Proceedings

Topics: Building Materials, Construction, Environmental Engineering, Industrial Engineering, Information Technologies, Materials Science, Mechanics, Nanoscience

Keywords: Beam, Bearing Capacity, Cement, Concrete, Construction Materials, Contractor Selection, Deep Foundations, Earthworks, Geoenvironmental Engineering, Geogrid Reinforced Soil, Gypseous, Hypoplasticity Model, Investment Project, Mechanical Properties, Project Management, Retaining Geotechnical Structures, Riverbank, Sand, Seismic Load, Shallow Foundations, Shear Strength, Slab, Slope, Soft Clay, Soil Improvement, Soil Mechanics, Structural Elements, Vibration, Waste Slope

Prices: Print: **US\$ 352.00/ EUR 352.00** Print: 978-3-0357-1716-7
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3716-5
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 446 pages, 2020

<https://www.scientific.net/978-3-0357-1716-7/book>



Global Stone Congress II

Selected, peer reviewed papers from the 6th International Stone Congress, the Global Stone Congress 2018 (GSC), April 25-28, 2018, Ilheus, Bahia, Brazil

Edited by: Nuria F. Castro, Maria H.B.O. Frascá and Cid Chiodi Filho

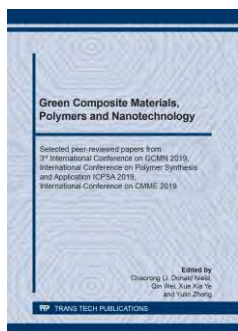
Conference Proceedings

Topics: Building Materials, Civil Engineering, Environmental Engineering, Manufacturing, Materials Science

Keywords: Heritage, Natural Stone, Stone Characterization, Stone Technology, Sustainability

Prices: Print: **US\$ 200.00/ EUR 200.00** Print: 978-3-0357-1524-8
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3524-6
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 200 pages, 2020

<https://www.scientific.net/978-3-0357-1524-8/book>



Green Composite Materials, Polymers and Nanotechnology

Selected, peer reviewed papers from the International Conference on Polymer Synthesis and Application (ICPSA 2019) and the International Conference on Composite Materials and Metallurgical Engineering (CMME 2019), November 15 - 17, 2019, Shenzhen, China

Edited by: Chaorong Li, Donald Nield, Qin Wei, Xue Xia Ye and Yulin Zhong

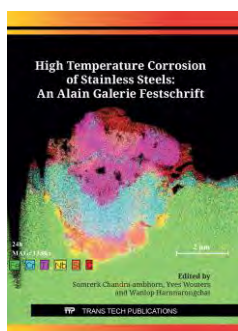
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Manufacturing, Materials Science, Mechanical Engineering

Keywords: Alloys, Biomaterials, Composites, Materials Processing, Metal Recovery, Metallurgy, Polymers, Steel

Prices: Print: **US\$ 218.00/ EUR 218.00** Print: 978-3-0357-1689-4
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3689-2
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 218 pages, 2020

<https://www.scientific.net/978-3-0357-1689-4/book>



High Temperature Corrosion of Stainless Steels: An Alain Galerie Festschrift

Selected, peer reviewed papers from the Alain Galerie Symposium on High Temperature Corrosion, 9 July, 2018, Bangkok, Thailand

Edited by: Prof. Somrerck Chandra-ambhorn, Prof. Yves Wouters and Wanlop Harnnarongchai

Conference Proceedings

Topics: Manufacturing, Materials Science

Keywords: Alloying Element, High Temperature Corrosion, Oxidation Kinetics, Stainless Steel, Thermal Oxide, Thermodynamic Analysis

Prices: Print: **US\$ 132.00/ EUR 132.00** Print: 978-3-0357-1402-9
 eBook Single-User: **US\$ 132.00/ EUR 132.00** eBook: 978-3-0357-3402-7
 eBook Multi-User: **US\$ 231.00/ EUR 231.00** 172 pages, 2020

<https://www.scientific.net/978-3-0357-1402-9/book>



Industrial Science and Technology

Selected, peer reviewed papers from Postgraduate Symposium on Industrial Science and Technology 2019 (SISTEC 2019), 22- 23 August 2019, Malaysia

Edited by: Agus Geter Edy Sutjipto, Dr. Farah Hanani Zulkifli and Izan Izwan Misnon

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, General Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Absorbent, Biocomposites, Biomaterials, Biopolymers, Biotechnology, Coatings, Composites, Membranes, Nanomaterials, Ozonation, Pharmacology, Polymers, Semiconductors, Superconductors, Thin Films

Prices: Print: **US\$ 352.00/ EUR 352.00** Print: 978-3-0357-1664-1
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3664-9
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 394 pages, 2020

<https://www.scientific.net/978-3-0357-1664-1/book>



Industrial Waste Management

Selected, peer reviewed papers from the 2nd Annual Symposium on Solid Waste Refinery (2nd ANSWER), November 13-14, 2019, Yogyakarta, Indonesia

Edited by: Chandra Wahyu Purnomo

Conference Proceedings

Topics: Environmental Engineering, Industrial Engineering

Keywords: Anaerobic Digestion, Biodiesel, Bioethanol Production, Biogas, Bioleaching, Biological Treatment, Biomass Processing, Conversion Technology, Fermentation, Filler, Gasification Technology, Geothermal Solid Waste, Material Recovery, Paving Block, Renewable Energy Resource, Waste Management, Waste Recycling, Waste Treatment

Prices: Print: **US\$ 80.00/ EUR 80.00** Print: 978-3-0357-1037-3
 eBook Single-User: **US\$ 99.00/ EUR 99.00** eBook: 978-3-0357-3037-1
 eBook Multi-User: **US\$ 173.00/ EUR 173.00** 80 pages, 2020

<https://www.scientific.net/978-3-0357-1037-3/book>



Innovative Engineering and Technology II

Selected, peer reviewed papers from the International UNIMAS Engineering Conference on Advanced Materials (ENCON 2018), September 12-14, 2018 Kuching, Malaysia

Edited by: Siti Noor Linda binti Taib, Norhuzaimin bin Julai and Md. Rezaur Rahman

Conference Proceedings

Topics: Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Adsorption, Biodiesel, Brick, Building Materials, Calcium Oxide, Carbon Dioxide Removal, Catalyst, Cements, Chemical Treatment, Clay, Dye-Sensitized Solar Cells, Electrocoagulation, Fibre Extraction, Graphene, Moisture Content, Natural Gas, Photoanode, Pollutant Degradation, Polymer Composites, Polymer Electrolyte, Production, Sediments, Strength Properties, Water Treatment, Wood

Prices: Print: **US\$ 164.00/ EUR 164.00** Print: 978-3-0357-1393-0
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3393-8
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 164 pages, 2020

<https://www.scientific.net/978-3-0357-1393-0/book>



Innovative Engineering Materials and Technologies

Selected peer-reviewed full text papers from 5th International Conference on Smart Engineering Materials (ICSEM 2020), March 6-8, 2020, Singapore and 4th International Conference on Innovative Engineering Materials (ICIEM 2020), May 20-22, 2020, Russia

Edited by: Prof. Arcady Zhukov

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Biogas Purification, Biomaterials, Biotechnology, Building Materials, Carbon Foam, Coatings, Dry Adhesion, Laser Processing, Machining, Magnetorheological Fluid, Mechanical Behaviour, Numerical Simulation, Sewage Treatment, Steel, Structural Element, Tool Wear

Prices: Print: **US\$ 152.00/ EUR 152.00** Print: 978-3-0357-1732-7
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3732-5
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 152 pages, 2020

<https://www.scientific.net/978-3-0357-1732-7/book>



Innovative Technologies for Joining Advanced Materials X

Selected, peer reviewed papers from the 10th International Conference: Innovative Technology for Joining Advanced Materials (TIMA 19), November 7 - 8, 2019, Timișoara, Romania

Edited by: Nicușor-Alin SÎRBU

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics
Keywords: Alloys, Bulk Metallic Glass, Composites, Cooling Time, Dissimilar Metal Welding, Electrical Discharge Machine, Friction Stir Welding, Heat Treatment, Infrared Radiation Welding, Laser Beam Welding, Mechanical Properties, Mechanical Testing, Steel, Ultrasonic Cutting, Ultrasonic Welding, Welding

Prices: Print: **US\$ 206.00/ EUR 206.00** Print: 978-3-0357-1604-7
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3604-5
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 206 pages, 2020
<https://www.scientific.net/978-3-0357-1604-7/book>



International Journal of Engineering Research in Africa Vol. 46

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

Topics: General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience
Keywords: Active Power Filter, Additive Manufacturing, Airline Fuel Planning, Alloys, Aluminum Plate, Battery Storage System, Coating, Corrosion Resistance, Crack Growth Behavior, Doubly Fed Induction Generator, Facial Expression Recognition, Free-Space Optical Communication, Fuel Cladding, Fuel Management Optimization, Fused Deposition, Fuzzy Logic Controller, Human-Robot Interaction, Load Frequency Control, Maintenance Management, Microgrid System, Microstructure, Multiresponse Optimization, Numerical Modeling, Optimal Reactive Power Dispatch Problem, Petri Networks Model, Polylactic Acid Plastic, Production Optimization, Renewable Energy Resources, Seed Shelling Machine, Surface Treatment, Thin Film, Well Placement, Wind Turbine

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1574-3
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3574-1
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 206 pages, 2020
<https://www.scientific.net/978-3-0357-1574-3/book>



International Journal of Engineering Research in Africa Vol. 47

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

Topics: General Engineering
Keywords: Assessment Tool, Bio-Sourced Materials, Bricks, Bridge Project, Bridge Scour, Building Information Model (BIM), Concrete, Domestic Wastewater Treatment, Environmental Assessment of Building, Failure Behaviour, Housing Assessment, Life Cycle Assessment, Mechanical Properties, Modular Green Roof, Natural Radioactivity, Recycle Aggregate Concrete, Reinforced Concrete Beam, Sustainable Development, Thermal Performance, Transportation Infrastructure, Water Absorption

Prices: Print: **US\$ 154.00/ EUR 154.00** Print: 978-3-0357-1381-7
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3381-5
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 154 pages, 2020
<https://www.scientific.net/978-3-0357-1381-7/book>



International Journal of Engineering Research in Africa Vol. 48

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

Topics: Building Materials, General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics
Keywords: Alloys, Applied Mechanics, Boron Nitride, Concrete, E-Drive Transmission Gear, Fatigue Analysis, Finite Time Control, Heat Transfer, Hybrid Power System, Hydration, Hyperchaotic Flow, Inclined Magnetic Field, Lateral Loads, Lean Tools, Lubrication System, Mechanical Properties, Medium Scale Manufacturing, Modeling, Nano Dielectric, Photovoltaic Cell, Polymers, Powders Metallurgy, Power Engineering, Productivity, Reliability Analysis, Rheological Properties, Ship Main Engine, Substation Automation System, Thin Rectangular Simply Supported Plate, Wind Power, Wireless Network

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-03835-791-9
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-0282-8
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 216 pages, 2020
<https://www.scientific.net/978-3-03835-791-9/book>



International Journal of Engineering Research in Africa Vol. 49

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

- Topics:** Building Materials, Civil Engineering, Computers, Electronics, Manufacturing, Materials Science, Mechanical Engineering
- Keywords:** Boost Converter, Diesel Engine, Discrete Event System, Dispersion, Distillation, Dynamic Programming, Forced Convection, Fuel Cell, High Carbon Steel, Magnetohydrodynamic, Mechanical Properties, Multiphase Flow, Natural Gas Liquids, Neural Network, Oil Spill, Optimal Control, pH, Power Quality, Pressure Gradient, Renewable Energy, Sensitivity Analysis, Wastewater Networks

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1470-8
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3470-6
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 214 pages, 2020

<https://www.scientific.net/978-3-0357-1470-8/book>



International Journal of Engineering Research in Africa Vol. 50

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

- Topics:** Building Materials, Construction, General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics
- Keywords:** Adhesive, Annual Duration Series, Ball Packing, Capillary Absorption, CFD Simulation, Circular Thin Plates, Compliance Management, Compliance Requirements, Composite Patch, Concentration, Crack, CVD Coating Carbide Insert, Cycle Time, Cycloconverter, Damaged, Driver Assistance System, Elastic Constants, Electric Vehicle, Epoxy Granite, Fatigue Parameter, Gauge Station, Half-Elliptical, Heat Transfer, Intensity Factor, Jaya Optimization Algorithm, Laminar Flow, Load Frequency Control (LFC), Low Cycle Fatigue, Model Predictive Control (MPC), Multi-Area Power System, Multicellular, Natural Convection, Partial Duration Series, Performance Evaluation, Rainfall Intensity, Recording Station, Rectification, Road Profile, Sector Finite Element, Sediment, Short Term Load Forecasting, Stabilized Soil Blocks, State of Charge (SOC), Steel Reinforcement, Strain Based Approach, Temperature, Thermo-Physical Properties, Vehicle Dynamics, Water Resources

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1516-3
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3516-1
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 190 pages, 2020

<https://www.scientific.net/978-3-0357-1516-3/book>



International Journal of Engineering Research in Africa Vol.51

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

- Topics:** Bioscience and Medicine, Building Materials, Civil Engineering, Construction, General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience
- Keywords:** 5G Networks, Alloy, Biogas Production, Carbon Nanotube, Communication, Deep Learning, Laser Welding, Mechanical Engineering, Mechanical Properties, Modelling, Nanocomposite, Optimisation, Power Control, Power Dispatch, Power Engineering, Reinforced Concrete

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1616-0
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3616-8
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 256 pages, 2020



International Symposium on Advanced Material Research III

Selected, peer reviewed papers from the 3rd International Symposium on Advanced Material Research (3rd ISAMR 2019) 21-23 June, 2019, Vietnam

Edited by: Prof. Dong Keon Kim

Conference Proceedings

- Topics:** Bioscience and Medicine, Building Materials, Construction, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics
- Keywords:** Absorption, Alloys, Biomaterials, Biotechnology, Blow Molding Process, Building Materials, Ceramics, Chemical Production, Chromatographic Separation, Composites, Concrete, Crystallization, Extraction, Food Technology, Microstructure, Modeling, Numerical Investigation, Pharmaceuticals, Polymers, Processing Technology, Solidification

Prices: Print: **US\$ 196.00/ EUR 196.00** Print: 978-3-0357-1464-7
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3464-5
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 196 pages, 2020

<https://www.scientific.net/978-3-0357-1464-7/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 44

Edited by: Dr. Sooraj Hussain Nandyala

Journal Volume

Topics: Bioscience and Medicine, Information Technologies, Materials Science, Mechanics

Keywords: Biomaterials, Biomechanics, Bone Tissue Repair, Denoising, Electrocardiogram Signal, Foot Loading, Hybrid Filter, Knee Replacement, Magnetic Resonance Brain Image, Medical Image, Porous Carbonate Apatite, Scaffold, Segmentation, Silk Fibroin Film, Wound Healing

Prices: Print: **US\$ 98.00/ EUR 98.00** Print: 978-3-0357-1059-5
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3059-3
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 98 pages, 2020

<https://www.scientific.net/978-3-0357-1059-5/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 46

Edited by: Dr. Sooraj Hussain Nandyala and W W

Journal Volume

Topics: Bioscience and Medicine, Materials Science

Keywords: Anterior Ligament, Arterial Prosthetics, Biofilm, Bone Tissue, Regeneration

Prices: Print: **US\$ 92.00/ EUR 92.00** Print: 978-3-0357-1137-0
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3137-8
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 92 pages, 2020

<https://www.scientific.net/978-3-0357-1137-0/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 47

Edited by: Dr. Sooraj Hussain Nandyala

Journal Volume

Topics: Bioscience and Medicine, Materials Science, Mechanics

Keywords: Alginate, Bioactivity, Biomaterial, Biomechanics, Biomimetic, Bionic, Carbon Nanotube, Electrospun, Electrospun Nanofiber, Gaussian Mixture Model, Hybrid Scaffolds, Hydroxyapatite, K-Means, Polyurethane, Range of Motion, Sandwich Model, Segmentation, Tissue Engineering, Wollastonite

Prices: Print: **US\$ 144.00/ EUR 144.00** Print: 978-3-0357-1607-8
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3607-6
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 144 pages, 2020

<https://www.scientific.net/978-3-0357-1607-8/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol.45

Edited by: Dr. Sooraj Hussain Nandyala

Journal Volume

Topics: Bioscience and Medicine, Electronics, Materials Science

Keywords: Arduino, Bacterial Cellulose, Biocomposite, Bovine Bone, Chest X-Ray, Classification, Dura Mater Artificial, Finite Element Analysis, Flax Fiber, Foot, Force Sensor, Glycerol, Numerical Model, Orthosis, Prostheses, Scanning Electron Microscopy, Sports Surface, Tissue Engineering, X-Ray Diffraction Analysis

Prices: Print: **US\$ 78.00/ EUR 78.00** Print: 978-3-0357-1389-3
 eBook Single-User: **US\$ 156.00/ EUR 156.00** eBook: 978-3-0357-3389-1
 eBook Multi-User: **US\$ 273.00/ EUR 273.00** 78 pages, 2020

<https://www.scientific.net/978-3-0357-1389-3/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol.48

Edited by: Liana Rahmayani

Conference Proceedings

Topics: Bioscience and Medicine

Keywords: Apicoectomy, Dental Materials, Dentistry, Orthodontics, Osteoblast, Restoration, Retreatment, Root Canal, Self-Cured Acrylic Resin, Wound Healing, Xylol

Prices: Print: **US\$ 166.00/ EUR 166.00**
 eBook Single-User: **US\$ 176.00/ EUR 176.00**
 eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1729-7
 eBook: 978-3-0357-3729-5
 166 pages, 2020

<https://www.scientific.net/978-3-0357-1729-7/book>



Journal of Nano Research Vol. 61

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Absorption, Carbon Nanotube, Dynamic Stability, Field-Effect Transistor, Joining of Archaeological Artifacts, Metal-Oxide-Semiconductor, Molecular Dynamic Simulation, Moving Torque, Nano Paraloid, Nanoalloys, Nanobeam, Nanomaterials, Nanomechanics, Nanoparticles, Nonlocal Elasticity, Phase Transformation, Photocatalysis, Spray Pyrolysis, Thermal Shock, Thin Films, Vibration, Wastewater Treatment, Zeolite

Prices: Print: **US\$ 158.00/ EUR 158.00**
 eBook Single-User: **US\$ 176.00/ EUR 176.00**
 eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1318-3
 eBook: 978-3-0357-3318-1
 158 pages, 2020

<https://www.scientific.net/978-3-0357-1318-3/book>



Journal of Nano Research Vol. 62

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Aerogel, Aging Condition, Axial Compression, Encapsulation, Hetero-Dielectric Surrounding Gate, Hybrid Nanoflowers, Iron Pnictide, Magnesium Silica, Molecular Beam Epitaxy, Nanoliposome, Nanomaterials, Nanomechanics, Paraoxonase Enzymes, Photocatalysis, Superconducting Film, Thin Films, Triple-Walled Carbon Nanotubes, Tunnel Field Effect Transistor, Vapor Transport Annealing, Water Purification, Zinc Oxide

Prices: Print: **US\$ 128.00/ EUR 128.00**
 eBook Single-User: **US\$ 176.00/ EUR 176.00**
 eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1622-1
 eBook: 978-3-0357-3622-9
 128 pages, 2020

<https://www.scientific.net/978-3-0357-1622-1/book>



Journal of Nano Research Vol. 63

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Electronics, Manufacturing, Materials Science, Nanoscience

Keywords: Antimicrobial, Consolidation, Metal Nanoparticles, Nano Finishing, Nano Superconductivity, Nanocomposites, Nanoremediation, Particulate Properties, Photocatalytic, Thin Film, XRD, Zinc Oxide

Prices: Print: **US\$ 152.00/ EUR 152.00**
 eBook Single-User: **US\$ 176.00/ EUR 176.00**
 eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1517-0
 eBook: 978-3-0357-3517-8
 152 pages, 2020

<https://www.scientific.net/978-3-0357-1517-0/book>



Journal of Nano Research Vol. 64

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Nanoscience

Keywords: Functionally Graduated Nanoplates, Green Synthesis of Nanoparticles, Nanocomposite, Nanoemulsion, Nanorods, Nanowire, Quantum Dots, Titania Photocatalyst

Prices: Print: **US\$ 142.00/ EUR 142.00** Print: 978-3-0357-1737-2
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3737-0
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 142 pages, 2020

<https://www.scientific.net/978-3-0357-1737-2/book>



Journal of Nano Research Vol. 65

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Nanoscience

Keywords: Graphene, Graphene Oxide, Nanocomposites, Nanorods, Nanowire, Optical Communication Systems, Optoelectronic Properties, PbS Nanoparticles, Sol Gel Method, Steel, TiO₂ Nanoarray

Prices: Print: **US\$ 172.00/ EUR 172.00** Print: 978-3-0357-1583-5
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3583-3
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 172 pages, 2020

<https://www.scientific.net/978-3-0357-1583-5/book>



Magnetism and its Application

Selected, peer-reviewed papers from the International Conference on Magnetism and Its Application 2019 (ICMIA 2019), November 20-21, 2019, Surakarta, Indonesia

Edited by: Budi Purnama, Darminto and Risdiana Risdiana

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Arc Melting, Barium Ferrite, Bismuth Ferrite, Crystalline Structure, Electrodeposition, Ferromagnetism, Graphene Oxide, Magnetic Anisotropic Properties, Magnetic Properties, Magnetite Nanoparticles, Magnetorheological Fluid, Mechanical Alloying, Microwave Absorption, Nickel Ferrite Nanoparticles, Paramagnetism, Phase Formation, Spinel Ferrite, Superconductors, Synthesis

Prices: Print: **US\$ 275.00/ EUR 275.00** Print: 978-3-0357-1704-4
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3704-2
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 348 pages, 2020

<https://www.scientific.net/978-3-0357-1704-4/book>



Manufacturing Sciences and Technologies X

Selected, peer reviewed papers from the 10th International Conference on Manufacturing Science and Technology (ICMST 2019), 3rd International Conference on Sensors, Materials and Manufacturing (ICSMM 2019) and 2019 International Conference on Functional Materials and Applied Technologies (FMAT 2019)

Edited by: Shen-Ming Chen and Sujana Debnath

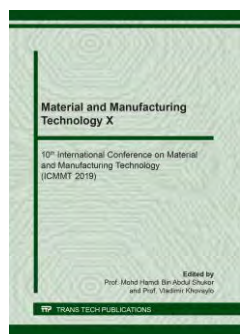
Conference Proceedings

Topics: Building Materials, Construction, Electronics, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Binder, Choosing, Composites, Compression Loading, Concrete, Cutting, Echnological Parameters, Fiber, Forging, Forming, Geopolymers, Grinding, Laminated Glass, Lamination, Machinability, Mechanical Properties, Nano Machining, Neural Network, Optimisation, Perovskite, Polymer Composites, Prediction, Rolling, Steel, Surface Roughness, Thin Film, Welding

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<https://www.scientific.net/978-3-0357-1657-3/book>



Material and Manufacturing Technology X

Selected, peer reviewed papers from the 10th International Conference on Material and Manufacturing Technology (ICMMT 2019), April 26-28, 2019, Kuala Lumpur, Malaysia

Edited by: Prof. Mohd Hamdi Bin Abdul Shukor and Prof. Vladimir Khovaylo

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Biodegradable Implant, Biodiesel, Bioglass, Biomedical Materials, Building Materials, Chemical Technologies, Coatings, Cold Rolling, Composites, Concrete, Corrosion, Environmental Engineering, Forming, Graphene Nanoplatelets, Hardness, Hydroxyapatite, Injection Molding, Laser Cutting, Mechanical Properties, Microstructure, Nanomaterials, Polymers, Semiconductors, Steel, Surface Cracks, Surface Engineering, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 260 pages, 2020

<https://www.scientific.net/978-3-0357-1506-4/book>



Material Engineering and Application II

Selected, peer reviewed papers from the 4th International Conference on Material Engineering and Application (4th ICMEA 2019), August 23-25, 2019, Kuala Lumpur, Malaysia

Edited by: Prof. Mosbeh Kaloop

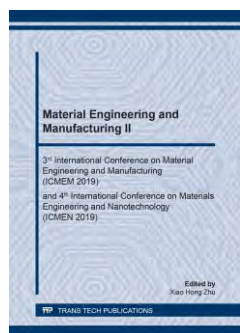
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Building Materials, Ceramics, Cladding, Coatings, Composites, Corrosion, Electrochemical Synthesis, Fibers, Forming, Geopolymer, Graphene, Injection Molding, Mechanical Properties, Membranes, Nanomaterials, Plastic Deformation, Polymers, Steel, Thin Films, Waste Recycling, Welding

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<https://www.scientific.net/978-3-0357-1514-9/book>



Material Engineering and Manufacturing II

Selected, peer reviewed papers from the 3rd International Conference on Material Engineering and Manufacturing (ICMEM 2019), 25-27 May 2019, Nanjing, China, and the 4th International Conference on Materials Engineering and Nanotechnology (ICMEN 2019), 18-21 July 2019, Chongqing, China

Edited by: Xiao Hong Zhu

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Construction, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloys, Building Materials, Ceramic Composites, Coatings, Fibers, Functional Materials, Graphene, Machining Technologies, Metamaterials, Microelectronics, Nanomaterials, Optoelectronics, Polymers, Sapphire Substrate, Steel

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 198 pages, 2020

<https://www.scientific.net/978-3-0357-1518-7/book>



Material Engineering and Manufacturing III

Selected, peer-reviewed papers from the 4th International Conference on Material Engineering and Manufacturing (ICMEM 2020), the 3rd International Conference on Materials Design and Applications (ICMDA 2020) and the 2nd International Conference on Biomacromolecules and Biomimetic Materials (ICBBM 2020), April 10-13, 2020, Tokyo, Japan

Edited by: Prof. Takashige Omatsu and Prof. Hongqi Sun

Conference Proceedings

Topics: Bioscience and Medicine, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Aluminum Alloy, Biomaterials, Composites, Computational Material Science, Cutting, Graphene, Grinding, Herbal Infusion, Hydrogel, Immunotherapy, Leaching, Mechanical Properties, Metallurgical Technologies, Nanomaterials, Numerical Simulation, Polymers, Process Technologies, Reduction, Wire Electric Discharge Turning

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 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 184 pages, 2020

<https://www.scientific.net/978-3-0357-1688-7/book>



Material Engineering Research

Selected, peer reviewed papers from the 2nd International Conference on Material Engineering Research (2nd ICMER 2019), May 17-19, 2019, Incheon, South Korea

Edited by: Prof. Jong Wan Hu

Conference Proceedings

Topics: Building Materials, Civil Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Building Materials, Chemical Technologies, Composites, Cutting, Graphene, Laser Processing, Mechanical Processing, Metallurgical Technologies, Nanocomposites, Nanomaterials, Polymers, Shape Memory Alloys, Steel, Textile Technologies, Thin Films, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 192 pages, 2020

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Material Science and Engineering Technology VIII

Selected peer-reviewed papers from 8th International Conference on Material Science and Engineering Technology (ICMSET 2019), October 19-21, 2019, Singapore

Edited by: Prof. Ramesh K. Agarwal

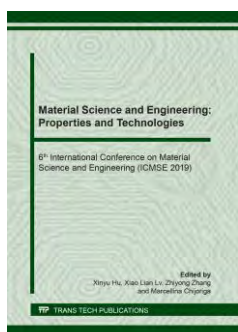
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Activate Carbon, Adsorption, Binary Ionic Liquid, Biomaterials, Building Materials, Cast Iron, Catalytic Pyrolysis, Chitosan Nanoparticles, Drug Delivery, Electrical Discharge Machining, Environmental Engineering, Extraction, Foundry, Functional Materials, Geocomposite, Geopolymer Cement, Meta Surface, Methyl Esters Production, Nanocomposites, Nanotube, Photocatalysis, Photodegradation, Piezoelectric Composite, Soil Properties, Solid Electrolyte, Steel, Surface Grinding, Thin Films, Waste Processing, Water Oxidation Catalyst

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 360 pages, 2020

<https://www.scientific.net/978-3-0357-1606-1/book>



Material Science and Engineering: Properties and Technologies

Selected, peer reviewed papers from the 6th International Conference on Material Science and Engineering (ICMSE 2019), 21-23 December, 2019, Wuhan, China

Edited by: Dr. Xinyu Hu, Xiao Lian Lv, Zhiyong Zhang and Marcellina Chijoriga

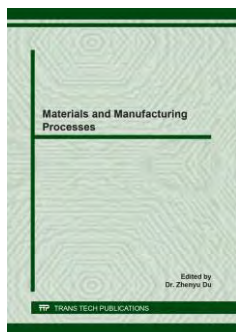
Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Cement Materials, Ceramics, Composites, Corrosion, Material Processing, Polymers, Steel

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 224 pages, 2020

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Materials and Processing Technologies

Selected, peer-reviewed papers from the National Conference on Mechanical Engineering and Manufacturing (NCMME 2019), October 18-20, 2019, Ho Chi Minh City, Vietnam

Edited by: Prof. Thanh Nam Nguyen

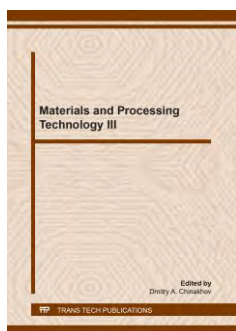
Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: 3D Printing, Aluminum, Bending, Forming, Friction Stir Welding, Injection Molding, Plywood, Steel, Technological Parameters

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Materials and Processing Technology III

Special topic volume with invited peer reviewed papers only

Edited by: Dmitry A. Chinakhov

Special Topic

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Ceramics, Cladding, Elasto-Plastic Deformation, Electric Arc Deposition, Friction Stir Welding, Internal Stress, Laser Welding, Martensite Transformation, Steel, Surface Engineering, Tribology, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 192 pages, 2020

<https://www.scientific.net/978-3-0357-1739-6/book>



Materials and Technologies in Construction and Architecture III

Selected, peer-reviewed papers from the International Scientific Conference "Construction and Architecture: Theory and Practice for the Innovative Development" (CATPID-2020), September 26-30, 2020, Nalchik, Russia

Edited by: Batyr M. Yazyev, Stepan V. Litvinov, Anastasia Lapina, Anastasia Kotesova and Akay Oksana

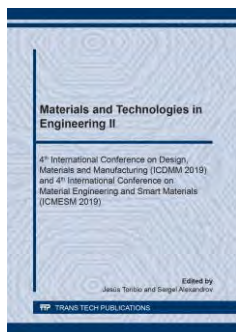
Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Environmental Engineering, Industrial Engineering, Manufacturing, Materials Science, Mechanics

Keywords: Beam, Bearing Capacity, Binder, Building Ceramics, Cement, Concrete, Contact Friction, Crack Formation, Deflection, Dust, Engineering Management, Foam Concrete, Foundation, Gypsum, Hydraulic Structure, Industrial Ecology, Mineral Additive, Pollution, Reinforcement Corrosion, Reverse Water, Seismic Load, Silicate Brick, Soil Model, Steel Frame, Stress-Strain State, Stretched Zone, Structural Elements, Structural Engineering, Structural Mechanics, Structures

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 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 202 pages, 2020

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Materials and Technologies in Engineering II

Selected, peer reviewed papers from the 4th International Conference on Design, Materials and Manufacturing (ICDMM 2019) and the 4th International Conference on Material Engineering and Smart Materials (ICMESM 2019), August 9-12, 2019, Salamanca, Spain.

Edited by: Jesús Toribio and Sergei Alexandrov

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanics

Keywords: Concrete, Dry Longitudinal Turning, Hardness, Heat Treatment, Microstructure, Plastic Deformation, Polymer, Properties, Roll Bonding, Selective Laser Melting, Steel, Structural Materials

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 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 130 pages, 2020

<https://www.scientific.net/978-3-0357-1590-3/book>



Materials and Technologies in Precision Machinery II

Selected, peer reviewed papers from the the 4th International Conference on Precision Machinery and Manufacturing Technology (ICPMMT 2019), May 24-26, 2019, Kenting, Taiwan

Edited by: Gow-Yi Tzou

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Ceramics, Composites, Materials Processing Technologies, Mechanical Properties, Metal Matrix Composite, Steel

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 132 pages, 2020

<https://www.scientific.net/978-3-0357-1660-3/book>



Materials and Technologies in Precision Machinery III

Selected, peer-reviewed papers from the 5th International Conference on Precision Machinery and Manufacturing Technology (ICPMMT 2020) 3-7 February, 2020, Auckland, New Zealand

Edited by: Gow-Yi Tzou

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Ceramics, Cold Forming, Forging, Forming, Micro Shaping, Mold Injection, Numerical Modeling, Photopolymerization, Sheet Metal Stamping, Steel, Technological Parametres

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 eBook Multi-User: **US\$ 270.00/ EUR 270.00** 108 pages, 2020

<https://www.scientific.net/978-3-0357-1777-8/book>

Materials and Technology of Clean Energy



Selected peer-reviewed papers from 2nd International Conference on Clean Energy Materials and Technology (ICCEMT 2019), from November 29 - December 1, 2019, Suzhou, China

Edited by: Lang He, Xigao Jian, Fusheng Pan, Zongping Shao, Zhengming Sun and Yuxun Wang

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Austenitic Alloys, Biomaterials, Ceramics, Coal Pyrolysis, Coating, Composites, Computational Method, Computer Simulation, Density-Functional Theory, Electrode Material, Electronic Properties, High-Speed Laser Welding, Lithium-Ion Batteries, Modified Graphite, Nanomaterials, Nuclear Energy, Nuclear Reactor, Selective Laser Melting, Silver-Zeolite, Steel, Supercapacitor, Thermoelectric Compounds

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 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 204 pages, 2020

<https://www.scientific.net/978-3-0357-1640-5/book>



Materials Engineering and Science

Selected, peer reviewed papers from the International Conference on Materials Engineering and Science (IConMEAS 2018), August 08-09, 2018, Istanbul, Turkey

Edited by: Omar Sabbar Dahham and Dr. Nik Noriman Zulkepli

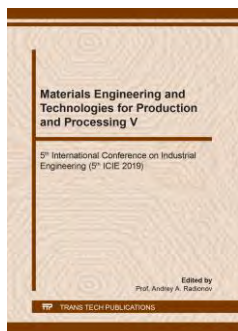
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Biomaterials, Building Materials, Building Materials, Ceramics, Composites, Nanostructures, Optoelectronics, Photonics, Polymers, Properties, Prostheses, Semiconductors

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 192 pages, 2020

<https://www.scientific.net/978-3-0357-1409-8/book>



Materials Engineering and Technologies for Production and Processing V

Selected, peer reviewed papers from the 5th International Conference on Industrial Engineering (ICIE), March 25-29, 2019, Sochi, Russian Federation

Edited by: Prof. Andrey A. Radionov

Conference Proceedings

Topics: Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Building Materials, Ceramics, Chemical Engineering, Coatings, Composites, Controlling, Hydrometallurgy, Material Properties, Metallurgy, Metalworking, Polymers, Steel, Surface Engineering, Testing

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 1250 pages, 2020

<https://www.scientific.net/978-3-0357-1500-2/book>



Materials for Electronics: Silicon Carbide and Related Materials

Selected peer-reviewed papers from the Asia-Pacific Conference on Silicon Carbide and Related Materials (APCSCRM 2019), July 17-20, 2019, Beijing, China

Edited by: Min Lu

Conference Proceedings

Topics: Electronics, Manufacturing, Materials Science, Nanoscience

Keywords: Annealing, Deposition, Diode, Epitaxial Growth, Epitaxial Layer, Heterojunction, MOSFET, Power Device, Semiconductors, Silicon Carbide (SiC), Structure, Thin Films, Wide Bandgap Semiconductors

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 184 pages, 2020

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Materials for Modern Technologies VI

Selected, peer-reviewed papers from the 2020 Spring International Conference on Material Sciences and Technology (MST-S), August 14-16, 2020, Kunming, China

Edited by: Sergei Alexandrov and Bingang Xu

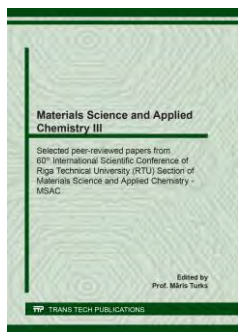
Conference Proceedings

Topics: Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Buckling Load, Ceramics, Chemical Engineering, Copper Conductive Paste, Fiber Reinforced Plastics, Films, Friction Stir Welding, Lithium-Ion Battery, Mechanical Properties, Microstructure, Nanophosphors, Optoelectronics, Photonics, Polymer Composite, Polymers, Quenching, Solidification, Steel, Structural Composites, Water Treatment

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 298 pages, 2020

<https://www.scientific.net/978-3-0357-1685-6/book>



Materials Science and Applied Chemistry III

Selected, peer reviewed papers from the 60th International Scientific Conference of Riga Technical University (RTU) Section of Materials Science and Applied Chemistry (MSAC 2019), October 24, 2019, Riga, Latvia

Edited by: Prof. Māris Turks

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering

Keywords: Applied Chemistry, Chemical Technology, Materials Science

Prices: Print: **US\$ 297.00/ EUR 297.00** Print: 978-3-0357-1639-9
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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 340 pages, 2020

<https://www.scientific.net/978-3-0357-1639-9/book>



Materials Science and Engineering: Technological Advances and Research Results

Selected, peer-reviewed papers from the 2019 International Conference on Materials Science and Engineering (ICMSE 2019), December 26-28, 2019, Kyoto, Japan

Edited by: Dr. Nancy Liu

Conference Proceedings

Topics: Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: 3D Printing, Adsorbent, Adsorption, Alloys, Aroma Finishing, Building Materials, Clay, Concrete, Dyeing Process, Pigment Printing, Polymer, Porous Paving, Powder metallurgy, Shear Characteristics, Steel, Surface Nitriding, Textile, Thermoplastic, Waste Recycling

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 188 pages, 2020

<https://www.scientific.net/978-3-0357-1641-2/book>



Materials Science and Industrial Applications II

Selected, peer-reviewed papers from the 2nd International Conference on Materials Science and Industrial Applications (MSIA 2020), January 11-12, 2020, Xi'an, China

Edited by: Dr. Zhi Gang Fang

Conference Proceedings

Topics: Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Building Materials, Ceramics, Composites, Friction Stir Welding, Graphene, Heat Treatment, Iron, Leaching Kinetics, Magnetic Properties, Mechanical Properties, Microemulsion, Microstructure, Molding, Photocatalytic Activity, Polymers, Rare Earth Materials, Semiconductors, Spot Welding, Steel

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 256 pages, 2020

<https://www.scientific.net/978-3-0357-1595-8/book>



Materials Science and Metallurgical Technology II

Selected, peer reviewed papers from the International Russian Conference on Materials Science and Metallurgical Technology (RusMetalCon-2019), October 1-4, 2019, Chelyabinsk, Russian Federation

Edited by: Prof. Andrey A. Radionov

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Additive Manufacturing, Alloys, Ceramics, Coatings, Composites, Corrosion, Dynamic Cyclic Loading, Foundry Production, Hydrometallurgical Process, Laser Processing, Mechanical Properties, Metal Forming, Metallurgical Technologies, Nonferrous Metals, Plasma Treatment, Polymers, Pyrometallurgical Process, Rolling, Sorbent, Steel, Tensile Strength, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 890 pages, 2020

<https://www.scientific.net/978-3-0357-1576-7/book>



Materials Science and Smart Materials

Selected, peer-reviewed papers from the 6th International Conference on Material Science and Smart Materials (MSSM 2019), July 23 -26, 2019, Birmingham, United Kingdom

Edited by: Prof. Abdul Ghani Olabi and Dr. Mohamad Ramadan

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Biomaterials, Ceramics, Coatings, Composites, Ferrites, Mechanical Properties, Membranes, Microstructure, Molten Salt Electrolyte, Nanomaterials, Phase Change Materials, Polymers, Proton Exchange Membranes, Steel, Thin Films, Tissue

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 eBook Multi-User: **US\$ 212.00/ EUR 212.00** 128 pages, 2020

<https://www.scientific.net/978-3-0357-1577-4/book>



Materials Science: Properties and Technologies II

Selected, peer-reviewed papers from the 4th Annual International Conference on Material Science and Engineering Technology (4th ICMSET 2020), March 20-22, 2020, Fukuoka, Japan

Edited by: Prof. Jong Wan Hu

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Biomaterials, Building Materials, Composites, Concrete, Corrosion, Graphene, Mechanical Properties, Microbial Biofilm, Molecular Modeling, Nanocomposite, Nanoemulsion, Photocatalysis, Polymers, Steel, Surface Microstructure

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 eBook Single-User: **US\$ 187.00/ EUR 187.00** eBook: 978-3-0357-3696-0
 eBook Multi-User: **US\$ 327.00/ EUR 327.00** 154 pages, 2020

<https://www.scientific.net/978-3-0357-1696-2/book>



Mechanical Engineering and Science

Selected, peer-reviewed papers from the Mechanical Engineering and Science Postgraduate International Conference (MESPIC), December 4-5, 2018, Nilai, Malaysia

Edited by: Idris Saad, Solehuddin Shuib, Noriah Yusoff, Abdul Halim Abdullah, Mohd Hafiz Mohd Noh and Nur Faiqa Ismail

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Knowledge and Technology Transfer, Mechanical Engineering Postgraduate Students Conference, MESPIC 2019, Multidisciplinary Research Areas

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 eBook Single-User: **US\$ 165.00/ EUR 165.00** eBook: 978-3-0357-3682-3
 eBook Multi-User: **US\$ 289.00/ EUR 289.00** 286 pages, 2020

<https://www.scientific.net/978-3-0357-1682-5/book>



Mechanical Engineering: Advanced Materials Processing Technology

Selected, peer-reviewed papers from the 4th The International Conference on Mechanical Engineering 2019 (ICOME 2019), August 28-29, 2019, Yogyakarta, Indonesia

Edited by: Suwarno Suwarno, Vivien Djanali, Fahmi Mubarok and Bambang Pramujati

Conference Proceedings

Topics: Bioscience and Medicine, General Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Adhesive Joining, Alloys, Biomaterials, Cold Rolling, Composites, Corrosion, Cutting, Mechanical Properties, Metallurgy, Polymers, Recrystallization, Steel, Surface Roughness, Water Treatment, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 242 pages, 2020

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Mechatronics and Industrial Machines

Selected, peer-reviewed papers from the National Conference on Mechanical Engineering and Manufacturing (NCMME 2019), October 18-20, 2019, Ho Chi Minh City, Vietnam

Edited by: Prof. Thanh Nam Nguyen

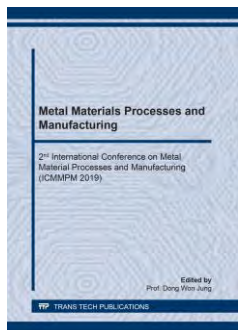
Conference Proceedings

Topics: General Engineering, Manufacturing, Mechanical Engineering, Mechanics

Keywords: Adaptive Control, Autonomous Underwater Vehicle, Chain Conveyor, Diesel Engine, Extruder Machine, Mechatronics, Planar Cam Mechanism, Robotics

Prices: Print: **US\$ 152.00/ EUR 152.00** Print: 978-3-0357-1446-3
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 eBook Multi-User: **US\$ 289.00/ EUR 289.00** 152 pages, 2020

<https://www.scientific.net/978-3-0357-1446-3/book>



Metal Materials Processes and Manufacturing

Selected, peer reviewed papers from the 2nd International Conference on Metal Material Processes and Manufacturing (ICMMPM 2019), July 30-31, 2019, Jeju Island, South Korea

Edited by: Prof. Dong-Won Jung

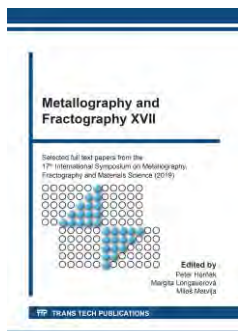
Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Abrasive Finishing, Absorption, Alloys, Biotechnology, Ceramics, Coating, Computational Materials Science, Corrosion, Cutting, Electrical Discharge Machine, Forming, Friction Stir Welding, Grinding, Laser Micro Milling, MEMS, Metalworking, Nanocomposites, Polymers, Rolling, Semiconductors, Steel, Thin-Film, Waster Recycling

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 302 pages, 2020

<https://www.scientific.net/978-3-0357-1632-0/book>



Metallography and Fractography XVII

Selected, peer-reviewed papers from the 17th International Symposium on Metallography, Fractography and Materials Science (Metallography XVII), April 24 – 26, 2019, Nový Smokovec, High Tatra Mountains, Slovak Republic

Edited by: Dr. Peter Horňák, Margita Longauerová and Dr. Miloš Matvija

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Ball Milling, Casting, Coating, Cold Drawing, Corrosion, Creep, Crystallization, Eutectic Phase, Fatigue, Fractography, Fracture, Hardfacing, Heat Treatment, Hot Pressing, Mechanical Properties, Metallographic, Microstructure, Non-Ferrous Alloys, Powders Metallurgy, Solidification, Spark Plasma Sintering, Steel, Surface Treatment, Tensile Testing, Welding

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 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3612-0
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 470 pages, 2020

<https://www.scientific.net/978-3-0357-1612-2/book>



Microscopy in the Field of Materials Research II

Selected, peer reviewed papers from the 36th International Conference of the Microscopy Society of Thailand (MST 36), March 26-29, 2019, Bangkok, Thailand

Edited by: Dr. Chanchana Thanachayanont, Thapanee Sarakonsri and Dr. Nattapol Laorodphan

Conference Proceedings

Topics: Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Adsorbent, Alloy, Carbon Nanotubes, Cement, Ceramics, Composites, Dielectric Properties, Graphene, Nanocomposites, Oxides, Steel

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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 170 pages, 2020

<https://www.scientific.net/978-3-0357-1560-6/book>



Mining Industry: Innovations and Prospects for the Development of Materials Science

Selected, peer reviewed papers from the 7th international scientific conference on Innovations and Prospects of Development of Mining Machinery and Electrical Engineering (IPDME 2019), April 24–27, 2019, St. Petersburg, Russia

Edited by: Vyacheslav V. Maksarov, Prof. Viktor V. Gabov, Denis Zadkov and Nikita V. Martyshev

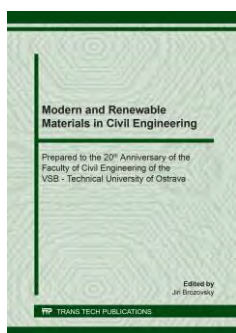
Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloys, Coatings, Composites, Diffusion Saturation, Finishing, Melting, Mining Mineralogy, Ore Treatment, Steel, Surfaces

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Modern and Renewable Materials in Civil Engineering

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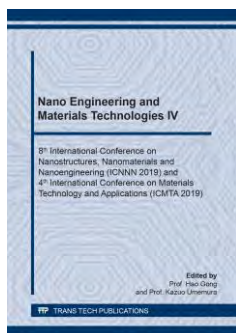
Special Topic

Topics: Building Materials, Civil Engineering, Construction, Materials Science, Mechanics

Keywords: Biological Damage, Bolt Connections, Cement, Concrete, Corrosion, Diffusion, High-Performance Concrete Mixture, Layer Structure, Numerical Modeling, Recycled Tires, Reinforcement Protection, Reinforcing, Semi-Rigid Connections, Steel Fibres, Steel Structures

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Nano Engineering and Materials Technologies IV

Selected, peer reviewed papers from the 8th International Conference on Nanostructures, Nanomaterials and Nanoengineering 2019 (ICNNA 2019) and from 2019 International Conference on Materials Technology and Applications (ICMTA 2019), October 11-14, 2019, Kyoto, Japan

Edited by: Prof. Hao Gong and Prof. Kazuo Umemura

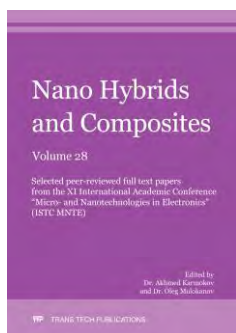
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Additive Manufacturing, Adsorption, Alloys, Atomic Layer Deposition, Benzene Treatment, Bioceramics, Biodiesel, Biomaterials, Carbon Nanotube, Carbonization, Chitosan Hydrogel, Cladding, Cold Rolling, Composites, Concrete, Cutting, Extracting, Gas Sensing, Hydrothermal Synthesis, Medical Dressing, Nanocomposites, Nanomaterials, Nanoparticles, Organic-Inorganic Hybrid Materials, Photocatalytic Activity, Plasma Spray Modification, Polymer Flocculants, Polymers, Steel, Thermoplastic Vulcanizates, Transesterification, Zinc Oxide

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 358 pages, 2020

<https://www.scientific.net/978-3-0357-1587-3/book>



Nano Hybrids and Composites Vol. 28

Edited by: Dr. Oleg Artemovich Molokanov and Dr. Akhmed M. Karmokov

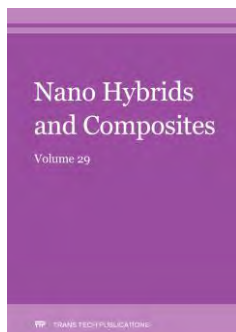
Journal Volume

Topics: Electronics, General Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Carbon Nanoparticles, Electrophysical Properties, Galvanomagnetic Properties, Glasses, Heterostructure, Integrated System, Melting Temperature, Metal Compounds, Metal Oxides, Nanomaterials, Phase Changes, Quantum Dots, Semiconductors, Silicon Surface, Spray Pyrolysis, Thermoelectric Properties, Thin Films

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 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3661-8
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 186 pages, 2020

<https://www.scientific.net/978-3-0357-1661-0/book>



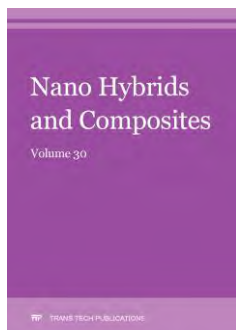
Nano Hybrids and Composites Vol. 29

Edited by: Dr. Amir Al-Ahmed and Prof. Yun-Hae Kim

Journal Volume

Topics: Building Materials, Electronics, Materials Science, Mechanics, Nanoscience
Keywords: AFM, Composite, Electrical Property, Epoxy Composites, FTIR, Hybrid Materials, Mechanical Properties, Nano-Alumina, NCs, Organic Solvent, Silicon Solar Cells, Thermal Conductivity, XRD
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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 100 pages, 2020

<https://www.scientific.net/978-3-0357-1683-2/book>



Nano Hybrids and Composites Vol. 30

Edited by: Dr. Amir Al-Ahmed and Prof. Yun-Hae Kim

Journal Volume

Topics: Building Materials, Construction, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience
Keywords: Bentonite, Carbon Nanotube, Ceramics, Ferrofluid, High-Performance Concrete, Nanocomposites, Nanoparticles, Polymer Composite, Pulse Laser Deposition, Semiconductor, Sensor, Solar Cell
Prices: Print: **US\$ 108.00/ EUR 108.00** Print: 978-3-0357-1782-2
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3782-0
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 108 pages, 2020

<https://www.scientific.net/978-3-0357-1782-2/book>



New Material and Chemical Industry

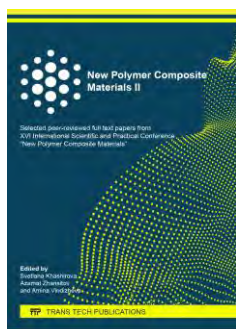
Selected, peer reviewed papers from the 4th International Conference on New Material and Chemical Industry (NMCI 2019), November 16-18, 2019, Xiamen, China

Edited by: Prof. Shixuan Xin

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanics, Nanoscience
Keywords: Asphalt, Beryllium, Ceramics, Coatings, Composites, Concrete, Copolymerization, Dielectric Characteristics, Elastomers, Electrochemical Properties, Epoxy Resin, Extrusion Forming, Functional Materials, Hastelloy, Insulating Materials, Laser Shock Process, Magnetic Nanoparticles, Mechanical Properties, Nanocomposites, Nanofiber, Oilfield Processing, Photocatalytic Activity, Polishing, Polymers, Polyurethane, Quantum Dot, Remediation, Sea Sand, Semiconductors, Supramolecular Hybrid, Thermal Degradation, Thin Films
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New Polymer Composite Materials II

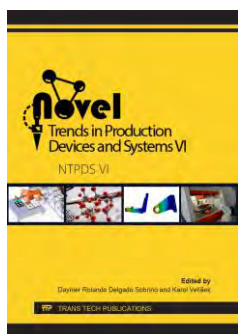
Selected, peer-reviewed papers from the XVI International scientific and practical conference «New Polymer Composite Materials» (NPCM 2020), October 7-11, 2020, Nalchik, Russian Federation

Edited by: Svetlana Khashirova, Azamat Zhansitov and Amina Vindizheva

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience
Keywords: Biodegradation, Biopolymers, Catalytic Synthesis, Epoxy Resins, Photopolymerization, Polymer Composite, Polymer Matrix, Polymers, Polyurethane, Properties, Reinforcing, Rubber, Synthesis, Thermal Properties
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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 618 pages, 2020

<https://www.scientific.net/978-3-0357-1800-3/book>



Novel Trends in Production Devices and Systems VI

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Special Topic

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Keywords: Additive Manufacturing, Alloys, Bonding, Casting, Composites, Computational Materials Science, Cutting, Forming, Injection Molding, Mechanical Properties, Numerical Experiment, Numerical Simulation, Polymers, Reinforcing, Steel, Surface Roughness, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 338 pages, 2020

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Pharmaceutical and Biomedical Materials and Technology II

Selected, peer-reviewed papers from the 3rd International conference and exhibition on Pharmaceutical Sciences and Technology (PST 2020), May 19-20, 2020, Bangkok , Thailand

Edited by: Jirapornchai Suksaeree

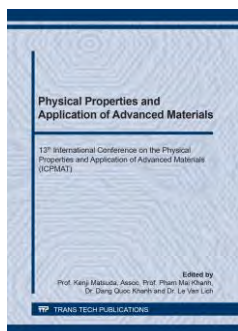
Conference Proceedings

Topics: Bioscience and Medicine, Manufacturing, Materials Science, Nanoscience

Keywords: 3D Printing Technology, Antioxidant Activity, Biodegradable Polymer, Chitosan, Colon Cancer Cells, Cosmeceutical, Cytotoxicity, Drug Delivery, Gallic Acid, Gel, Hyaluronic Acid, Hydroxypropyl Methylcellulose, Microencapsulation, Microneedle Array, Mucoadhesive Material, Nanoemulsion, Nanofiber, Oil Microemulsion, Pharmacology, Physicochemical Properties, Phytochemicals, Plant Extracts, Polysaccharide Film, Processing Parameters, Protein, Quercetin, Rubber Latex, Shellac, Skin Protection, Spray Drying, Starch

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 330 pages, 2020

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Physical Properties and Application of Advanced Materials

Selected, peer reviewed papers from the 13th International Conference on the Physical Properties and Application of Advanced Materials (ICPMAT), September 4-7, 2018, Hanoi, Vietnam

Edited by: Kenji Matsuda, Pham Mai Khanh, Dang Quoc Khanh and Dr. Le Van Lich

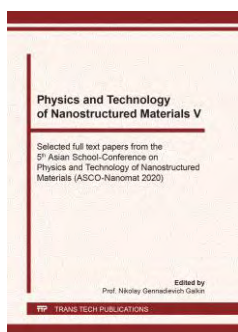
Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Arc Welding, Ceramics, Coatings, Composites, Heat Treatment, Ilmenite, Laser Powder Bed Fusion, Molten Iron, Nanomaterials, Sheet Rotary Forming, Steel, Superalloy, Wettability

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Physics and Technology of Nanostructured Materials V

Selected, peer-reviewed papers from the 5th Asian School-Conference on Physics and Technology of Nanostructured Materials (ASCO-Nanommat 2020), July 30 - August 3, 2020, Vladivostok, Russian Federation

Edited by: Prof. Nikolay Gennadievich Galkin

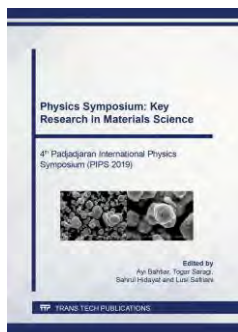
Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Coatings, Ferroelectric Materials, Ferromagnetics, Heterostructures, Laser Nanofabrication, Metamaterials, Nanocomposites, Nanolayers, Nanomaterials, Nanostructures, Physics Properties, Semiconductors, Spintronics

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 400 pages, 2020

<https://www.scientific.net/978-3-0357-1793-8/book>



Physics Symposium: Key Research in Materials Science

Selected, peer-reviewed papers from the 4th Padjadjaran International Physics Symposium (PIPS), November 13-14, 2019, Bandung, Indonesia

Edited by: Ayi Bahtiar, Togar Saragi, Sahrul Hidayat and Lusi Safriani

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Adsorbent, Anode Binder, Apatite, Battery, Biomaterials, Carbon Materials, Ceramics, Composites, Deionization, Dipole Field, Electrical Conductivity, Electrical Resistivity, Electrolyte Systems, Functional Materials, Graphene Oxide Layer, Hydroxyapatite, Lanthanum Silicate, Lithium-Ion Battery Cathode, Magnetic Properties, Morphology Properties, Nanofiber, Nanoparticles, Perovskite, Perovskite Manganite, Photocatalytic Properties, Photovoltaic Characterization, Polymers, Semiconductors, Solar Cells, Spin Alignment, Supercapacitor, Superconductivity, Superconductors, Thin Films

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 376 pages, 2020

<https://www.scientific.net/978-3-0357-1697-9/book>



Polymer Science and Engineering

Selected, peer-reviewed papers from the 3rd International Conference on Composite Material, Polymer Science and Engineering (3rd CMPSE), October 24 - 25, 2019, Bangkok, Thailand

Edited by: Prof. Katsuyuki Kida

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Building Materials, Ceramics, Cermet, Composites, Friction Stir Forming (FSF), Functional Materials, Joining Technologies, Polymer Composites, Steel, Structural Elements, Thermoplastic, Welding

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Problems and Prospects for the Development of Materials Science

Selected, peer reviewed papers from the International Scientific and Practical Conference "Materials Science, Mechanical Engineering and Energy: Problems and Prospects for Development" (MSMEE 2019), June 27-28, 2019, Barnaul, Russia

Edited by: Alexander Saprykin

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloys, Building Materials, Cementation, Ceramics, Coatings, Composites, Electrodeposition, Heat Treatment, Intermetallic Compounds, Laser Melting, Materials Processing, Nanomaterials, Polymers, Steel, Surface Formation, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 218 pages, 2020

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Problems of Emergency Situations: Materials and Technologies

Selected, peer-reviewed papers from the International Scientific Applied Conference "Problems of Emergency Situations" (PES 2020), May 5-20, 2020, Ukraine, Kharkiv

Edited by: Volodymyr Andronov

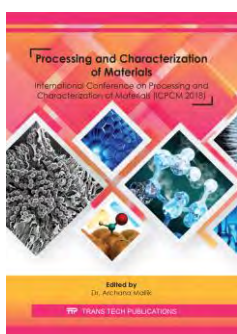
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, General Engineering, Industrial Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Absorption, Alloy, Composites, Concrete, Dangerous Radioactive Cargo Transportation, Emergency Prevention, Environmental Prevention, Fire Resistance, Fire Resistance Coatings, Fire Robot System, Galvanochemical Process, Gas Explosion, Impact Strength, Integrated Safety, Mathematical Modeling, Measurement Temperature, Mechanical Damage, Mechanical Properties, Nitrification, Polymer Composites, Polymers, Retardant, Safety Assessment, Seismic Load, Steel Reinforcing, Structural Elements, Technogenic Hazard, Tin Dioxide Films, Water Treatment, Work Safety

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 298 pages, 2020

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Processing and Characterization of Materials

Selected, peer reviewed papers from the International Conference on Processing and Characterization of Materials (ICPCM 2018), 6-8 December, 2018, Odisha, India

Edited by: Dr. Archana Mallik

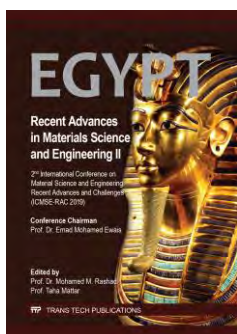
Conference Proceedings

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Ceramics, Coatings, Electric-Discharge Machining, Functional Materials, Hard Turning Materials, Laser Melting, Materials Processing Technologies, Photonics Materials, Semiconductors, Surface Engineering, Thin Films

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 562 pages, 2020

<https://www.scientific.net/978-3-0357-1503-3/book>



Recent Advances in Materials Science and Engineering II

Selected, peer reviewed papers from the 2nd International Conference on Materials Science and Engineering: Recent Advances and Challenges (ICMSE-RAC 2019), March 11-13, 2019, Cairo, Egypt

Edited by: Mohamed M. Rashad and Taha Mattar

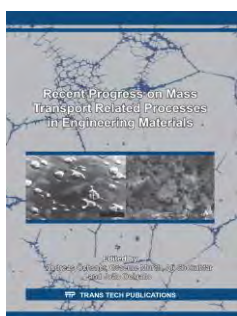
Conference Proceedings

Topics: Materials Science

Keywords: Alloys, Ceramics, Composites, Cooling Rate, Corrosion, Mechanical Properties, Metallographic, Microstructure, Nanocomposites, Nanomaterials, Powders Metallurgy, Rolling, Steel, Tantalite Ore, Thin Films, Tinning, Welding

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 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3534-5
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 412 pages, 2020

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Recent Progress on Mass Transport Related Processes in Engineering Materials

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Special Topic

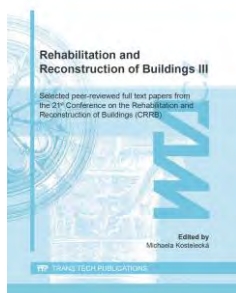
Topics: Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Drying Process, Industrial Applications, Mass Transport, Material Properties, Modelling, Multiphase Fluid Flow, Porous Media, Thermal Transport

Prices: Print: **US\$ 212.00/ EUR 212.00** Print: 978-3-0357-1546-0
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3546-8
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 212 pages, 2020

<https://www.scientific.net/978-3-0357-1546-0/book>

Rehabilitation and Reconstruction of Buildings III



Selected, peer-reviewed papers from the 21st Conference on the Rehabilitation and Reconstruction of Buildings (CRRB), November 28-29, 2019, Prague, Czech Republic

Edited by: Dr. Michaela Kostecká

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Materials Science

Keywords: Building Materials, Buildings, Concrete, Protection, Reconstruction, Rehabilitation, Structures, Surface Treatment, Wood

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Research, Invention and Innovation



Selected, peer-reviewed papers from the 2019 Research, Invention, and Innovation Congress (RIIC 2019) December 11 – 13, 2019, Bangkok, Thailand

Edited by: Somrerik Chandra-Ambhorn, Dr. Wanlop Harnnarongchai, Prof. Pitthaya Jamsawang, Chantaraporn Phalakornkule and Sutthisak Phongthanapanich

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Adhesion, Alloys, Biocompatible Solvent, Biomaterials, Building Materials, Cast Iron, Catalytic Oxidation, Cement, Ceramics, Composites, Corrosion, Cutting, Drug Delivery System, Emulsification, Forging, Forming, Hardness, Injection Molding, Mechanical Properties, Microstructure, Pavement, Polymers, Processing Parametres, Rubber, Steel, Superalloys, Waste Recycling, Welding

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Semiconductor Materials and Technology



Selected, peer reviewed papers from the International Conference on Semiconductor Materials and Technology (ICoSeMT 2019), 29-30 April, 2019, Penang, Malaysia

Edited by: Dr. Mohd Syamsul Nasyriq Samsol

Conference Proceedings

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Black Silicon, Combustion Synthesis, Composites, Cuprate Superconductor, Electrochemical Etching, Injection Currents, Lamination, Microelectronics, Morphological Structure, Nanoscale Materials, Optical Properties, Optoelectronics, Organic Polymer, Photocatalytic Degradation, Photovoltaics, Planar Devices, Porous Silicon, Semiconductors, Sensing, Solar Cells, Spin Coating, Thin Crystalline Silicon, Thin Films, Vapour Deposition

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Selected, peer reviewed papers from the 4th International Seminar on Advances in Materials Science and Engineering (ISAMSE 2019), August 16-18, 2019, Shanghai, China

Edited by: Tao Feng

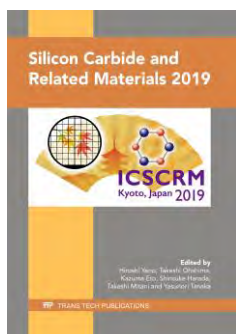
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Alloy, Asymmetric Catalysis, Building Materials, Coatings, Composites, Concrete, Corrosion, Hydration Kinetics, Ionic Liquid, Mechanical Properties, Memristor, Metal Matrix Composites, Nanomaterials, Nanomaterials, Oil Recovery, Organic Materials, Plasma Spraying, Polymers, Propellant, Pulping Technology, Steel, Surface, Thermal Performance, Thin Films, Ultrasonic Vibration Milling

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Silicon Carbide and Related Materials 2019

Selected, peer-reviewed papers from the 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan

Edited by: Hiroshi Yano, Dr. Takeshi Ohshima, Kazuma Eto, Shinsuke Harada, Takeshi Mitani and Yasunori Tanaka

Conference Proceedings

Topics: Electronics, Manufacturing, Materials Science, Nanoscience
Keywords: Bipolar Devices, Characterization, Crystal Growth, Diode, Epitaxial Growth, Etching, Extended Defects, High Temperature Reliability, Integrated Circuit Packaging, Layer Growth, Measurements, Metal Oxide Semiconductor Field Effect Transistor, MOS Gate Stack, Point Defects, Quantum Technology, Schottky Barrier, Silicon Carbide, Silicon Carbide Power Devices, Thin Films, Wafer Machining

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Superplastic Forming

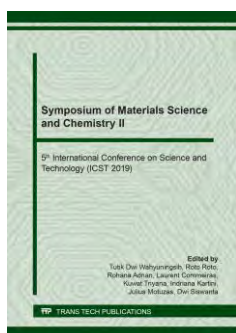
Selected, peer-reviewed papers from the 13th European Conference on Superplastic Forming (EuroSPF 2019), September 11-13, 2019, Matera, Italy

Edited by: Prof. Donato Sorgente and Gianfranco Palumbo

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanics
Keywords: Quick Superplastic, Superplastic, Superplastic Alloy, Superplastic Behavior, Superplastic Bulging, Superplastic Condition, Superplastic Flow, Superplastic Forming, Superplastic Materials, Superplastic Mechanism, Superplastic Response, Superplastic Ti-6Al-4V, Superplastic-Like

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Selected, peer reviewed papers from the 5th International Conference on Science and Technology (ICST 2019), July 30-31, 2019, Yogyakarta, Indonesia

Edited by: Dr. Tutik Dwi Wahyuningsih, Roto Roto, Prof. Rohana Adnan, Laurent Commeiras, Kuwat Triyana, Prof. Indriana Kartini, Dr. Julius Motuzas and Dr. Dwi Siswanta

Conference Proceedings

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Selected, peer-reviewed papers from the 10th RMUTP International Conference on Science, Technology and Innovation for Sustainable Development: Challenges Towards the Digital Society (10th RMUTP ICON SCI-2019), June 4-5, 2019, Bangkok, Thailand

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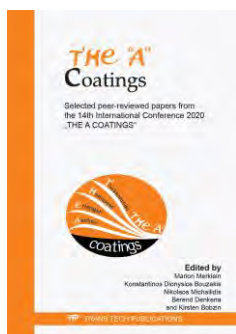
Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, General Engineering, Manufacturing, Materials Science, Mechanical Engineering

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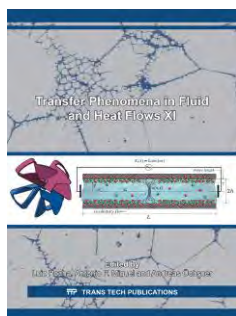
Conference Proceedings

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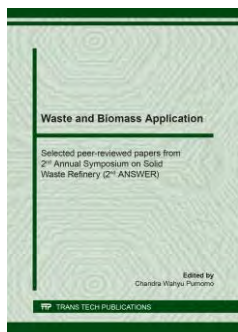
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Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

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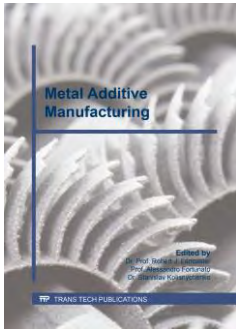
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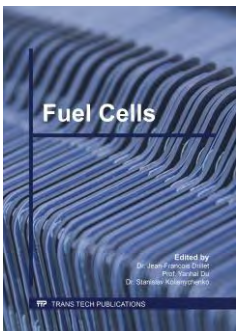
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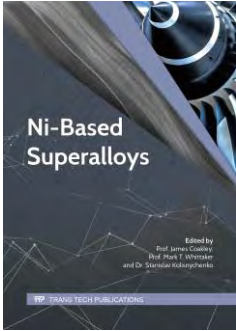
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