

Experimental And Numerical Investigations In Materials Science And Engineering

This proceedings book is a collection of high-quality peer-reviewed research papers presented at the International Conference of Experimental and Numerical Investigations and New Technologies (CNNTech2020) held at Zlatibor, Serbia, from 29th June to 2nd July 2020. The book discusses a wide variety of industrial, engineering and scientific applications of the engineering techniques. Researchers from academia and industry present their original work and exchange ideas, experiences, information, techniques, applications and innovations in the field of mechanical engineering, materials science, chemical and process engineering, experimental techniques, numerical methods and new technologies.

[Experimental and Numerical Investigations of the Performance of Fume Cupboards](#)

[Experimental and Numerical Investigations on the Cavitation Phenomenon in a Centrifugal Pump](#)

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[Self-written waveguides in glass](#)

[Experimental and Numerical Investigations of Ejectors for PDE Applications](#)

[Experimental and Numerical Investigations of Atomic Mixing in Silicon and Germanium](#)

[Design of the Experimental Tests](#)

[Experimental and Numerical Investigations of Multi-contact Miscible Displacements in Homogenous and Cross-bedded Porous Media](#)

[Scaled Experimental and Numerical Investigations of Auroral Radiation Phenomena](#)

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[**Experimental and Numerical Investigations of Mooring Line Dynamics**](#)

[**The Influence of Macroporosity on Modulus of Elasticity**](#)

[**Experimental and Numerical Investigations and Optimisation of Tesla-radial Turbines**](#)

[**Experimental and numerical Investigations of an adhesively bonded sheet metal joint subjected to crash loads**](#)

[**Experimental and Numerical Investigations on Gasification of Biomass Briquette in a Sectional Heating Gasifier**](#)

[***Experimental and Numerical Investigations of Chemical Grouting in Heterogeneous Porous Media***](#)
[***Screw Plate Testing***](#)
[***Experimental and Numerical Investigations Into the Mechanical Characteristics of Rockfill Materials***](#)
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