Special Issue

Advancements and Challenges in Wire Electrical Discharge Machining (WEDM) Processes

Message from the Guest Editor

Wire electrical discharge machining (WEDM) is a highly advanced and widely used machining process that has revolutionized the manufacturing industry. It involves the use of an electrically charged wire to cut through various materials, including metals, ceramics, and composites, to create precise and intricate shapes. Over the years, WEDM has become increasingly popular due to its high accuracy, flexibility, and cost-effectiveness. As a result, it has been widely adopted in industries such as aerospace, automotives, medicine, and electronics, where precision and high-quality parts are essential. This Special Issue in *Machines* aims to provide a comprehensive overview of recent advancements and challenges in WEDM processes. The Special Issue seeks original research articles, review articles, and case studies that address key topics related to WEDM, including new materials, novel process developments, optimization, and innovative applications. The Special Issue also welcomes papers about challenges in WEDM, such as tool wear, surface roughness, and machining time, as well as how researchers address these issues using advanced technologies and techniques.

Guest Editor

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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