Record Nr. UNINA9910483085803321 **Titolo** Advances in Water Jetting: Selected Papers from the International Conference on Water Jet 2019 - Research, Development, Applications, November 20-22, 2019, eladná, Czech Republic / / edited by Dagmar Klichová, Libor Sitek, Sergej Hloch, Joško Valentini Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2021 **ISBN** 3-030-53491-X Edizione [1st ed. 2021.] Descrizione fisica 1 online resource (XI, 264 p. 198 illus., 155 illus. in color.) Collana Lecture Notes in Mechanical Engineering, , 2195-4364 Disciplina 621.93 Soggetti Manufactures Fluid mechanics Surfaces (Technology) Thin films Machines, Tools, Processes **Engineering Fluid Dynamics** Surfaces, Interfaces and Thin Film Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Systematic Change of Abrasive Size Distribution -- Effect of Abrasive Water Jet Machining -- Erosion of Titanium and Aluminium Alloys --Water Jet as a Promising Tool. Sommario/riassunto This book reports on recent advances in the rapidly growing field of high-speed water jet technology, discussing research, developments and applications related to cutting, machining, repair of structures and buildings, cleaning, removal of coatings and lavers, mining, and abrasive materials. It also explores special applications of highpressure techniques, as well as important environmental aspects and solutions for technology transfer. Thanks to the balance of theory and practical findings, the book offers a timely snapshot for researchers and industrial communities alike, and a platform to facilitate communication and collaboration between the two groups. .