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                             technologies for industrial process.

   Sommario/riassunto   The primary aim of this volume is to provide researchers and engineers
                             from both academic and industry with up-to-date coverage of new
                             results in the field of robotic welding, intelligent systems and
                             automation. The book is mainly based on papers selected from the
                             2020 International Conference on Robotic Welding, Intelligence and
                             Automation (RWIA'2020) in Shanghai and Lanzhou, China. The articles
                             show that the intelligentized welding manufacturing (IWM) is becoming
                             an inevitable trend with the intelligentized robotic welding as the key

technology. The volume is divided into four logical parts: Intelligent Techniques for Robotic Welding, Sensing of Arc Welding Processing, Modeling and Intelligent Control of Welding Processing, as well as Intelligent Control and its Applications in Engineering.