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Experimental Approach -- 9. Effect of Rectangular Fins on the Heat Transfer Performance of an Automotive Radiator -- 10. Effect of Geometrical Dimension of Fins on the Cooling Performance of an Air-Cooled Engine Cylinder Block -- 11. Methods and Applications in Fluid Structure Interaction (FSI) -- 12. FMEA Approach to Extend the Engine Oil Drain Interval of a 100 t Truck: A Case Study...

Sommario/riassunto

The book contains a selection of peer-reviewed papers from the 2022 conferences, which took place at the Universiti Kuala Lumpur, Malaysian Spanish Institute (UniKL MSI), Kedah, Malaysia. This book contains twenty-two papers written by researchers participating in the conferences. Topics covered in this book include composite materials, thermodynamics, vibration, dynamics of structures, manufacturing processes, computer-aided manufacturing, CFD analysis, design and optimization of devices, and procedures. The topics are commonly encountered in industries and become an interest in the academic world. The learning of engineering technology's curricular across universities is now an essential topic covered in various higher learning institutions. Therefore, it is hoped that this book serves as an excellent reference for researchers and graduate students working with/on multidisciplinary engineering technology.