1. Record Nr. UNINA9910986132903321

Autore	Razak Tajul Adli Abdul
Titolo	Progress in Engineering Technology VI / / edited by Tajul Adli Abdul Razak, Ahmad Kamal Ismail, Andreas Ochsner
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031815171 3031815173
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (334 pages)
Collana	Advanced Structured Materials, , 1869-8441 ; ; 229
Altri autori (Persone)	IsmailAhmad Kamal OchsnerAndreas
Disciplina	530.41
Soggetti	Solid state physics Fluid mechanics Vehicles Materials science Automation Thermodynamics Electronic Devices Engineering Fluid Dynamics Vehicle Engineering Materials Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Design and analsysis for hydro turbine installation -- Optimal tensile propoertiers of a carbon compiste -- Investigation of nanofluid performance for computer -- Noise absorption and tensile properties of hybrid.
Sommario/riassunto	This book features 31 studies that collectively explore a wide range of innovative engineering solutions and advanced technologies across various fields. Most of the studies focus on designing, analyzing, and optimizing systems that improve efficiency and performance. The papers highlight cutting-edge methodologies and applications, from hydro turbine installations in underground pipelines to using nanofluids for CPU cooling. Key projects include the development of

autonomous vehicles for flood detection, innovative composites for automotive applications, and advanced monitoring systems for industrial machinery. Together, these contributions tackle real-world challenges and expand the horizons of engineering practices, emphasizing the significance of interdisciplinary research in delivering impactful solutions for the future.