1. Record Nr. UNINA9910874670303321

Titolo	Challenges and Recent Advancements in Nuclear Energy Systems : Proceedings of Saudi International Conference on Nuclear Power Engineering (SCOPE) / / edited by Afaque Shams, Khaled Al-Athel, Iztok Tiselj, Andreas Pautz, Tomasz Kwiatkowski
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031643620 9783031643613
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (849 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	621.48
Soggetti	Nuclear engineering Nuclear fusion Refuse and refuse disposal Nuclear Energy Nuclear Fusion Waste Management/Waste Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
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Sommario/riassunto

This book gathers the latest advances, innovations, and applications in the field of nuclear power engineering, as presented by researchers and engineers at the Saudi International Conference on Nuclear Power Engineering (SCOPE), which was organized by King Fahd University of Petroleum and Minerals (KFUPM), and held in Dhahran, Saudi Arabia on November 13–15, 2023. The contributions encompass topics such as nuclear thermal-hydraulics, reactor physics, nuclear materials, fuel cycle and waste management, safety and severe accidents, fusion and advanced reactors, nuclear applications and radiation processing. The contributions, which were selected through a rigorous international peer-review process, share exciting ideas that will spur novel research directions and foster new multidisciplinary collaborations.