1. Record Nr. UNINA9910495939703321

Autore	Altieri Charles
Titolo	Wallace Stevens, Poetry, and France : "Au pays de la métaphore" / / Juliette Utard, Bart Eeckhout, Lisa Goldfarb
Pubbl/distr/stampa	Paris, : Éditions Rue d'Ulm, 2021
ISBN	2-7288-0972-0 2-7288-3609-4 2-7288-3690-6
Descrizione fisica	1 online resource (268 p.)
Collana	Actes de la recherche à l'ENS
Altri autori (Persone)	Bilge HanGül CazéAntoine ClavierAurore CleghornAngus EeckhoutBart GoldfarbLisa GouldThomas KalckXavier LuyatAnne M. SteinmanLisa MacleodGlen N. MclaneMaureen NesmeAxel RaggEdward SharpeTony UtardJuliette
Soggetti	Human figure in art
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Wallace Stevens, Poetry, and France offers the first book-length study of the various effects–poetic or prosaic, serious or comic, strange or familiar–produced by the deployment of French languages and cultures

		in Stevens' poetry. Prominent Stevens scholars reexamine here a number of key issues, from angles as diverse as translation studies, aesthetics, linguistics, comparative literature, French theory, and politics, raised by Stevens' special relation to France around the writing of poetry.
2.	Record Nr.	UNINA9910639881803321
	Autore	Swaminathan Nedunchezhian
	Titolo	Machine Learning and Its Application to Reacting Flows : ML and Combustion / / edited by Nedunchezhian Swaminathan, Alessandro Parente
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
	ISBN	3-031-16248-X
	Edizione	[1st ed. 2023.]
	Descrizione fisica	1 electronic resource (346 p.)
	Collana	Lecture Notes in Energy, , 2195-1292 ; ; 44
	Altri autori (Persone)	ParenteAlessandro
	Disciplina	621.312132
	Soggetti	Cogeneration of electric power and heat Fossil fuels Thermodynamics Heat engineering Heat transfer Mass transfer Machine learning Fossil Fuel Engineering Thermodynamics, Heat and Mass Transfer Machine Learning
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction -- ML Algorithms, Techniques and their Application to Reactive Molecular Dynamics Simulations -- Big Data Analysis, Analytics & ML role -- ML for SGS Turbulence (including scalar flux) Closures -- ML for Combustion Chemistry -- Applying CNNs to model SGS flame wrinkling in thickened flame LES (TFLES) -- Machine Learning

Strategy for Subgrid Modelling of Turbulent Combustion using Linear Eddy Mixing based Tabulation -- MILD Combustion–Joint SGS FDF -- Machine Learning for Principal Component Analysis & Transport -- Super Resolution Neural Network for Turbulent non-premixed Combustion -- ML in Thermoacoustics -- Concluding Remarks & Outlook.

Sommario/riassunto

This open access book introduces and explains machine learning (ML) algorithms and techniques developed for statistical inferences on a complex process or system and their applications to simulations of chemically reacting turbulent flows. These two fields, ML and turbulent combustion, have large body of work and knowledge on their own, and this book brings them together and explain the complexities and challenges involved in applying ML techniques to simulate and study reacting flows. This is important as to the world’s total primary energy supply (TPES), since more than 90% of this supply is through combustion technologies and the non-negligible effects of combustion on environment. Although alternative technologies based on renewable energies are coming up, their shares for the TPES is are less than 5% currently and one needs a complete paradigm shift to replace combustion sources. Whether this is practical or not is entirely a different question, and an answer to this question depends on the respondent. However, a pragmatic analysis suggests that the combustion share to TPES is likely to be more than 70% even by 2070. Hence, it will be prudent to take advantage of ML techniques to improve combustion sciences and technologies so that efficient and “greener” combustion systems that are friendlier to the environment can be designed. The book covers the current state of the art in these two topics and outlines the challenges involved, merits and drawbacks of using ML for turbulent combustion simulations including avenues which can be explored to overcome the challenges. The required mathematical equations and backgrounds are discussed with ample references for readers to find further detail if they wish. This book is unique since there is not any book with similar coverage of topics, ranging from big data analysis and machine learning algorithm to their applications for combustion science and system design for energy generation. .