1.	Record Nr.	UNINA9910483075403321
	Titolo	Advances in Condition Monitoring and Structural Health Monitoring : WCCM 2019 / / edited by Len Gelman, Nadine Martin, Andrew A. Malcolm, Chin Kian (Edmund) Liew
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
	ISBN	981-15-9199-7
	Edizione	[1st ed. 2021.]
	Descrizione fisica	1 online resource (XV, 795 p. 504 illus., 415 illus. in color.)
	Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
	Disciplina	690.24
	Soggetti	Multibody systems Vibration Mechanics, Applied Aerospace engineering Astronautics Buildings - Repair and reconstruction Buildings - Maintenance Coatings Tribology Corrosion and anti-corrosives Multibody Systems and Mechanical Vibrations Aerospace Technology and Astronautics Building Repair and Maintenance Corrosion
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	1. Condition monitoring -- 2. Structural health monitoring -- 3. Non-destructive testing and evaluation.
	Sommario/riassunto	This book comprises the selected contributions from the 2nd World Congress on Condition Monitoring (WCCM 2019), held in Singapore in December 2019. The contents focus on digitalisation for condition monitoring with the emergence of the fourth industrial revolution (Industry 4.0) and the Industrial Internet-of-Things (IIoT). The book covers latest research findings in the areas of condition monitoring,

structural health monitoring, and non-destructive testing which are relevant for many sectors including aerospace, automotive, civil, oil and gas, marine, and manufacturing industries. Different monitoring systems and non-destructive testing methods are discussed to avoid failures, increase lifespans, and reduce maintenance costs of equipment and machinery. The broad scope of the contents will make this book interesting for academics and professionals working in the areas of non-destructive evaluation and condition monitoring.