

1. Record Nr.	UNISA996207474103316
Titolo	SIGCSE bulletin
Pubbl/distr/stampa	[New York, N.Y.], : Association for Computing Machinery, Special Interest Group on Computer Science Education, [1970]-©1997
ISSN	2331-3927
Disciplina	001.6/4/0711
Soggetti	Computer science - Study and teaching (Higher) Computers - Study and teaching (Higher) Informatique - Étude et enseignement (Supérieur) Computer science Education Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico

2. Record Nr.	UNINA9910337602803321
Autore	Afonso Daniel
Titolo	Incremental Forming as a Rapid Tooling Process // by Daniel Afonso, Ricardo Alves de Sousa, Ricardo Torcato, Liliana Pires
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-15360-6
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (109 pages)
Collana	Manufacturing and Surface Engineering, , 2365-8223
Disciplina	658.577
Soggetti	Manufactures Building materials Engineering design Manufacturing, Machines, Tools, Processes Structural Materials Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Fundamentals of rapid tooling -- 1.1 Concept and classifications -- 1.2 Direct AM rapid tooling processes -- 1.3 Indirect AM rapid tooling processes -- 1.4 Other rapid tooling technologies -- References -- 2 Incremental sheet forming -- 2.1 The role of incremental sheet forming -- 2.2 Operation principle -- 2.3 Machines and tools -- 2.4 Part design and applications -- 2.5 ISF as a rapid tooling process -- References -- 3 Complementary manufacturing processes -- 3.1 Sheet metal forming processes -- 3.2 Cutting and drilling -- 3.3 Welding and joining -- 3.4 Finishing -- References -- 4 Sheet metal tools design -- 4.1 Geometric specifications -- 4.2 Mechanical behaviour -- 4.3 Thermal behaviour -- References -- 5 ISF Rapid tooling applications -- 5.1 Geometry definition and tooling pre-design -- 5.2 Composite materials processing -- 5.3 Low pressure polymer processing -- References.
Sommario/riassunto	This book discusses the general concept and applications of rapid tooling technologies and introduces the use of incremental forming for the development of rapid sheet tools. Methods and techniques for tool design and development are discussed, considering their manufacture

using incremental forming and complementary processes. The mechanical and thermal performance of sheet metal tools is analyzed. Finally, possible applications are introduced, with the description of some case study examples. .
