1. Record Nr. UNINA9910784700803321

Autore	Fritsching Udo <1959->
Titolo	Spray simulation : modelling and numerical simulation of sprayforming metals / / Udo Fritsching [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2004
ISBN	1-107-14556-2 1-280-45787-2 9786610457878 0-511-18548-0 0-511-18465-4 0-511-18728-9 0-511-31345-4 0-511-53664-X 0-511-18635-5
Descrizione fisica	1 online resource (xiv, 272 pages) : digital, PDF file(s)
Disciplina	671.7/34
Soggetti	Metal spraying - Mathematical models Metal spraying - Computer simulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 245-269) and index.
Nota di contenuto	; 1. Introduction -- ; 2. Spray forming of metals -- ; 2.1. The spray forming process -- ; 2.2. Division of spray forming into subprocesses -- ; 3. Modelling within chemical and process technologies -- ; 4. Fluid disintegration -- ; 4.1. Melt flow in tundish and nozzle -- ; 4.2. The gas flow field near the nozzle -- ; 4.3. Jet disintegration -- ; 5. Spray -- ; 5.1. Particle movement and cooling -- ; 5.2. Internal spray flow field -- ; 5.3. Spray-chamber flow -- ; 5.4. Droplet and particle collisions -- ; 6. Compaction -- ; 6.1. Droplet impact and compaction -- ; 6.2. Geometric modelling -- ; 6.3. Billet cooling -- ; 6.4. Material properties -- ; 7. An integral modeling approach -- ; 8. Summary and outlook.
Sommario/riassunto	Spray forming combines the metallurgical processes of metal casting and powder metallurgy to fabricate metal products with enhanced

	properties. This book provides an introduction to the various modelling and simulation techniques employed in spray forming, and shows how they are applied in process analysis and development. The author begins by deriving and describing the main models. He then presents their application in the simulation of the key features of spray forming. Wherever possible he discusses theoretical results with reference to experimental data. Building on the features of metal spray forming, he also derives common characteristic modelling features that may be useful in the simulation of related spray processes. The book is aimed at researchers and engineers working in process technology, chemical engineering and materials science.

2.

Record Nr.	UNINA9910483211703321
Titolo	Programming Multi-Agent Systems : 10th International Workshop, ProMAS 2012, Valencia, Spain, June 5, 2012, Revised Selected Papers / / edited by Mehdi Dastani, Jomi F. Hübner, Brain Logan
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-38700-4
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (X, 245 p. 83 illus.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 7837
Disciplina	006.3
Soggetti	Artificial intelligence Computer programming Software engineering Artificial Intelligence Programming Techniques Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An Implementation of Jason in Erlang -- Conceptual Integration of Agents with WSDL and Restful Web Services -- Agent Programming Languages Requirements for Programming Autonomous Robots -- An

Agent-Based Cognitive Robot Architecture -- A Programming Framework for Multi-agent Coordination of Robotic Ecologies -- Evaluation of a Conversation Management Toolkit for Multi Agent Programming -- Compact and Efficient Agent Messaging -- Query Caching in Agent Programming Languages -- Typing Multi-agent Programs in simpAL -- Learning to Improve Agent Behaviours in GOAL -- The Multi-Agent Programming Contest 2012 -- Reimplementing a Multi-Agent System in Python -- Conquering Large Zones by Exploiting Task Allocation and Graph-Theoretical Algorithms.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 10th International Workshop on Programming Multi-Agents Systems held in Valencia, Spain, in June 2012. The 10 revised full papers presented were carefully selected from 14 submissions covering a wide range of topics in multi-agent system programming languages, including language design and efficient implementation, agent communication, and robot programming. I addition to these regular papers, the volume includes six papers from the Multi-Agent programming Contest 2012 (MAPC).