

1. Record Nr.	UNINA9910808402603321
Titolo	Aluminium cast house technology XII : selected, peer reviewed papers from the 12th international conference and exhibition, on aluminium cast house technology, September 11-14, 2011, Melbourne, Australia / / edited by A. Prasad, J.A. Taylor and J.F. Grandfield
Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications, , [2011] ©2011
ISBN	3-03813-475-9
Descrizione fisica	1 online resource (284 p.)
Collana	Materials science forum, , 0255-5476 ; ; volume 693
Altri autori (Persone)	TaylorJohn A <1969-> (John Alexander) GrandfieldJohn F PrasadA (Arvind)
Disciplina	669/.722
Soggetti	Aluminum Aluminum castings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Aluminium Cast House Technology XII; Preface and Committees; Table of Contents; Chapter 1: Markets and Cast House Layouts; Improving Casthouse Throughput Using Discrete-Event Modelling; Chapter 2: Controlling Melt Loss; A Historical Perspective on Dross Processing; The Approach to Zero Waste from Smelter and Secondary Dross Processing; Preserving Metal Units Utilising the Latest Generation of Aluminium Dross Press; Crucible Fluxing with Hycast™ RAM- Effect on Metal Quality and Operational Cost; SPH Modeling of the Effect of Crucible Tipping Rate on Oxide Formation Oxidation of Rolled and Flash Anodized 3000 Aluminum in Air, Nitrogen, Oxygen, and Carbon Dioxide AtmospheresChapter 3: Furnaces and Refractories; A Historical Perspective of Aluminium Casthouse Furnace Developments; Improved Monolithic Materials for Lining Aluminium Holding and Melting Furnaces - Roof, Upper Walls and Flue; Phosphate Bonded Monolithic Refractory Materials with Improved Hot Strengths as a Potential Replacement for Phosphate Bonded Bricks; Cost Savings in the Cast House through Optimizing

Furnace Operation, Staff Training and Associated Variables  
Thermocouple Protection Tube Options for Aluminium Casthouses  
The Challenges to Supply New Casthouse Furnaces in a Modern Aluminium Smelter Project; Chapter 4: Safety; Can the Aluminium Industry Learn from another Industry's Catastrophe?; Chapter 5: Melt Quality and Treatment; Increasing Cast House Throughput through "In-Spec First Time"; Control and Removal of Impurities from Al Melts: A Review; Development of a Fused Magnesium Chloride Containing Refining Flux Based on a Ternary System  
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Effect of Homogenisation Parameters on Dissolution and Precipitation in Aluminium Alloy AA7150

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Sommario/riassunto

The Aluminum Cast House Industry recognises the importance of technology management in reducing operating costs and making high-quality products safely; with minimal environmental impact. The 12th Aluminium Cast House Technology Conference and Exhibition provided a unique venue where researchers, producers and suppliers could present and discuss the latest ideas in the science and technology of casting aluminium-alloy semi-finished products. The proceedings, with 29 peer-reviewed papers, offer invaluable insights into the subject.  
Review from Book News Inc.: Researchers, producers, and suppliers

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