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Chris Pistorius Shouyi Sun Lauri Holappa

Chris Pistorius, 1987 Pretoria 1988
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Shouyi Sun,

CSIRO

Lauri Holappa, 1964 1970 1979
2009 AIST ·F·

Calcium modification of alumina and spinel inclusions Chris Pistorius
Research on slags and properties of high temperature melts Shouyi Sun
Improving Antimony Production At Hillgrove Gold Mine Steven Wright
On Interaction between Slag and Steel in Continuous Casting Tundish Lauri Holappa

Chris Pistorius “ Calcium modification of alumina and spinel inclusions”

Shouyi Sun “Research on slags and properties of high temperature melts”

CSIRO CSIRO

Steven Wright “Improving Antimony Production At Hillgrove Gold Mine”

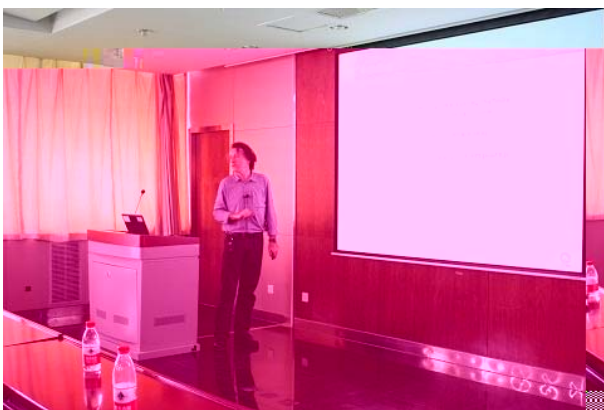
Lauri Holappa “ On Interaction between Slag and Steel in Continuous Casting
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Chris Pistorius



Shouyi Sun



Steven Wright



Lauri Holappa



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Vladimir Tsepelev Patrice Chartrand

Vladimir Tsepelev

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(Al, Mg)

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2007 Grand Prix Alcan

The Optimum Regime of Annealing Amorphous Ribbons

Modeling of Cryolitic System for Al Reduction Cells: Coupled-thermodynamic-physical
Property Models

Vladimir Tsepelev

" The Optimum Regime of Annealing Amorphous Ribbons"

Patrice Chartrand

" Modeling of Cryolitic System for Al Reduction Cells:
Coupled-thermodynamic-physical Property Models"



Vladimir Tsepelev



Patrice Chartrand



Vladimir Tsepelev



Patrice Chartrand

2012 9 27

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Kim. Seon Hyo

Kim,Seon Hyo	1977	1979
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Implication of Thermodynamics to Materials Processing Engineers



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Christopher Cullen ()

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The Old Needham Question and a New Needham Question: Long-term Issues in Chinese Science and Technology Development

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Laurentiu Nastac

Laurentiu Nastac

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Nastac

MMNCS(Metal-matrix-nano-composite

) UST(Ultrasonic Treatment)

MMNCS UST

Ansys

Fluent CFD

A356

MMNCs

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Ramana G. Reddy

Innovations in Materials Processing

R. G. Reddy

R. G. Reddy



R. G. Reddy



R. G. Reddy



2013 10 7 -9

Michael Notis

Michael Notis

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'Publishing for China' Which Covers the RSC Publishing, Chemistry in China
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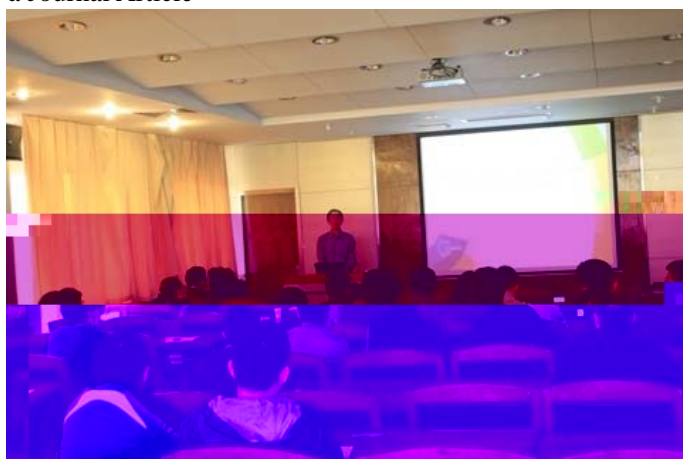
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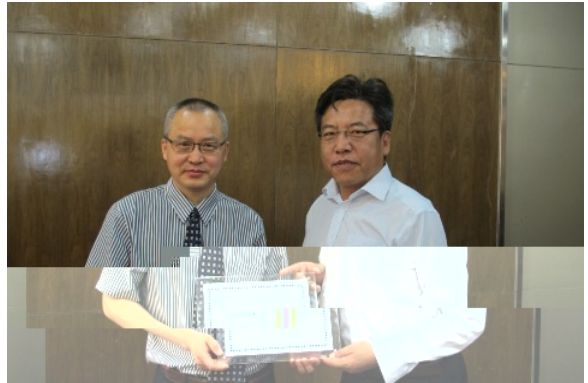
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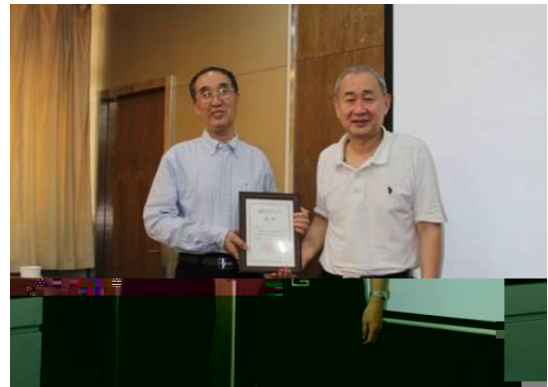
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1976 GIO 2000 1981
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Seon-Hyo Kim

Seon-hyo Kim(), 1977 1979
 1986
 1987 1 1987 8 1987
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) (3) Ti, Mg Zr

Variation of Viscosity and Heat Transfer Properties of Conventional Mold Flux
 with Basicity and Additives

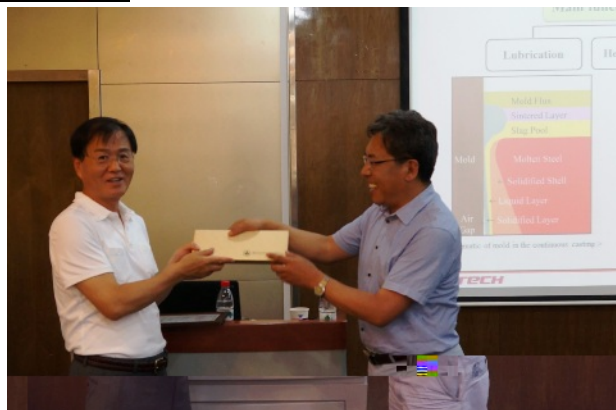
Li₂O B₂O₃

Kim



Seon-Hyo Kim

Seon-Hyo Kim



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Jung-wook Cho

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GIFT

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Metallurgical and

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Key Reader

Introduction to Continuous Casting Process from the View of Engineering

Thermophysical Properties of Mold Fluxes for Continuous Casting of Steels

Melt Crystallization of Mold Fluxes

Olidification Structure Refining of High Manganese TWIP Steel

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CaO-SiO₂

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Jung-wook Cho



Jung-wook Cho

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(Shigehiro Nishijima)

(Yasuzo Sakai)

(Shigehiro Nishijima)

1982

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Jean-Marie Drezet

Jean-Marie Drezet

Empact and Vircast 2009

2011

In situ XRD casting in Al alloys to determine rigidity temperature
Impact of precipitation during quenching on internal stress generation in thick
AA2xxx and AA7xxx industrial components

Jean-Marie Drezet

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Jean-Marie Drezet



2015 5 15

Youn-Bae Kang

Youn-Bae Kang			1998	2000	2005
		2005	2009		
		2009		Kang	
(1)	(2)		(3)		
	(4)	70	SCI	50	

2014 Young professional technical division poster award, EPD division, TMS
 2013 One of developers of 100 future leading technologies for the Korean industries by2020, National Academy of Engineering of Korea
 Young scientist award, Korean Institute of Metals and Materials

Research activities relevant to steelmaking in GIFT

Youn-Bae Kang Mn-Ti-Si
 Mn-Ti-Si
 Ti2O3



Youn-Bae Kang

Youn-Bae Kang



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Mansoor Barati

Mansoor Barati			2005	
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	Electrochimica Acta	Journal of Alloys and Compounds	Minerals	
Engineering	Journal of The Electrochemical Society	JOM	Energy	Metallurgical and Materials
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Visualization for Measurements and Understanding of Energy Recovery from Slag and DRI- Slag Interactions

Mansoor Barati

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Dieter Senk

Dieter Senk

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Technical University of

Clausthal

Continuous Casting Way of Unlimited Options

Dieter Senk



Dieter Senk

Dieter Senk



2015 5 27

Pedro Rivera

Pedro Rivera SKF

10 Acta Materialia, Scripta Materialia, Philosophical Magazine Letters Computational
Materials Science

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Fatigue in bearings: phenomenology and modelling

Pedro Rivera



Pedro Rivera

Pedro Rivera



2015 5 29

ArcelorMittal Dofasco

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" Charles H. Herty Jr.Award"

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