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Chris Pistorius Shouyi Sun Lauri Holappa

Chris Pistorius, 1987 Pretoria 1988  
1991 1991 2008  
2002 5 2008

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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  
Tundish”



Chris Pistorius



Shouyi Sun



Steven Wright



Lauri Holappa



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Vladimir Tsepelev Patrice Chartrand

Vladimir Tsepelev

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Patrice Chartrand

FactSage

(Al, Mg)

2007

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

1988

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2012 12 4

Kim. Seon Hyo

Kim,Seon Hyo	1977	1979
	1987	-
1996-1997	-	2003
POSTECH		

Implication of Thermodynamics to Materials Processing Engineers



2013 4 19

Christopher Cullen ( )

1967

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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

1985

1993

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1996 2011

CTC



Nastac

MMNCS(Metal-matrix-nano-composite

) UST(Ultrasonic Treatment )

MMNCS UST

Ansys

Fluent CFD

A356

MMNCs

2013 9 24

Ramana G. Reddy

Innovations in Materials Processing

R. G. Reddy

R. G. Reddy



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Michael Notis

Michael Notis

1969

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HXRF

Michael Notis

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'Publishing for China' Which Covers the RSC Publishing, Chemistry in China  
and Others

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Whites Group writing a paper

Tips for writing

a Journal Article

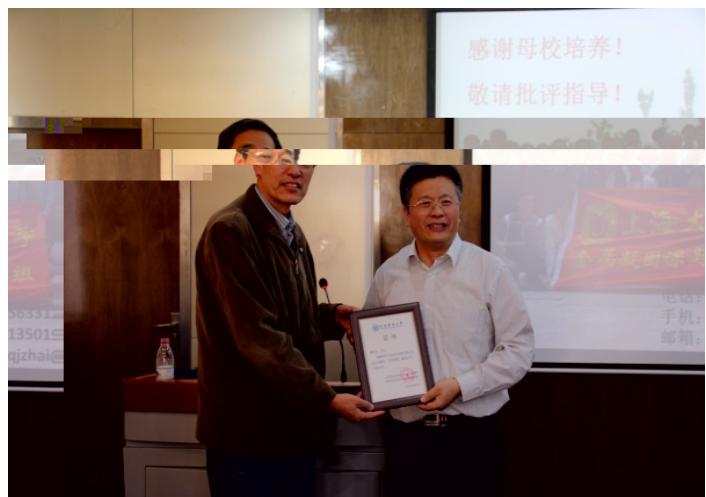


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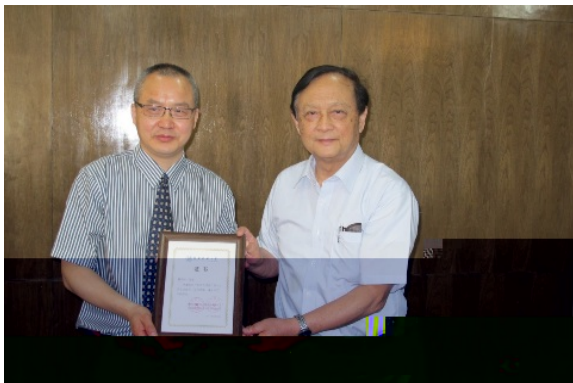
1984 ( ) 1984  
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Y A Chang 1994 CompuTherm  
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1981 1984  
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(McMaster University) 1995 10 1997 12  
(Atlas Specialty Steels, Canada) 1998  
(ArceloMittal) ( )  
(BOF, KOBM)  
(COREX, FINEX, AISI/DOE, HISMELT, RHF, ITmk3...)  
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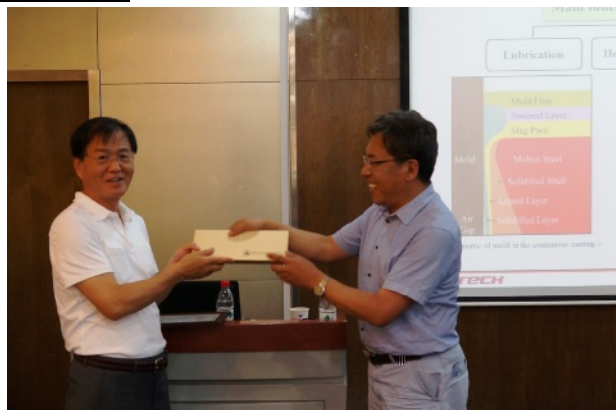
Seon-Hyo Kim

Seon-hyo Kim( ), 1977 1979  
1986  
1987 1 1987 8 1987  
2003 - (UIUC) (1)  
(2) (  
) (3) Ti, Mg Zr

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

Li<sub>2</sub>O B<sub>2</sub>O<sub>3</sub>

Kim





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Jung-wook Cho

Jung-wook Cho

GIFT

Cho

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Metallurgical and

Materials Transactions B

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-SiO<sub>2</sub>

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CaO-Al<sub>2</sub>O<sub>3</sub>

TRIP

CaO-Al<sub>2</sub>O<sub>3</sub>

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2014 10 31

(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

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



2015 5 15

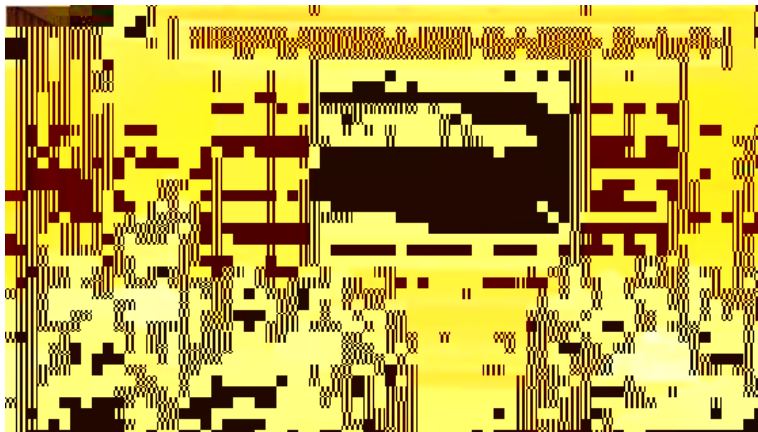
Mansoor Barati

Mansoor Barati			2005	
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	Electrochimica Acta	Journal of Alloys and Compounds	Minerals	
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Visualization for Measurements and Understanding of Energy Recovery from Slag and DRI- Slag Interactions

Mansoor Barati

Barati



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Dieter Senk

Dieter Senk

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1976-1981

Technical University of

Clausthal

Continuous Casting Way of Unlimited Options

Dieter Senk



2015 5 27

Pedro Rivera

Pedro Rivera

SKF

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

2

Fatigue in bearings: phenomenology and modelling

Pedro Rivera



2015 5 29

ArcelorMittal Dofasco

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" Hunt-Kelly Outstanding Paper Award" (

" Charles H. Herty Jr.Award"

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