

NEW MEMBERS OF THE EDITORIAL BOARD



Prof. Dr.-Ing. habil. Piotr R. Scheller

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Born, 30.03.1949 in Siemianowicz

Nationality: German

Education

1968 – 1970 Metallurgy, Politechnikum (Silesian TU), Gliwice, Poland

1971 - 1975 Iron and Steel Metallurgy, RWTH Aachen, Germany

Achieved Degrees: Diplom-Ingenieur (Dipl.-Ing.)

1985 Doktor of Engineering Sciences (Dr.-Ing.), RWTH Aachen

1998 Habilitation, RWTH Aachen

Professional Career

1976 – 1979 RWTH Aachen, Institute of Furnaces and Heating Technique,
Research Associate

1979 – 1986 Vereinigte Deutsche Metallwerke, Manager Q R&D Melting Shop and hot
forming

1987 – 2002 Krupp Stahl, ThyssenKrupp Nirosta, Head Q R&D Melting Shops and hot
forming Stainless, sites Bochum and Krefeld

1998 - 2002 Lecturer (Privatdozent) at RWTH Aachen (venia legendi: Metallurgy and
High Temperature Reaction Technique)

Since 2002 Technische Universität Bergakademie Freiberg
Full Professor for Metallurgy of Iron and Steel and Head of the Institute of
Iron and Steel Technology

2003 - 2009 Vice Dean of the Faculty of Materials Science and Technology

Since 2010 Dean of the Faculty of Materials Science and Technology

Other

Professorships Adjunct Professor at POSTECH University, GIFT, South Korea

Guest Professor at the Wuhan University of Science and Technology, China

Membership in Scientific Societies

Steelinstitute VDEh	Member of the committee Basics of Metallurgy , committees of Physical Chemistry and Metallurgical Engineering
DGM	(Deutsche Gesellschaft für Materialkunde)
VDI - GVC	(Verein Deutscher Ingenieure) elected Member of the committee High Temperature Processes
IISJ	(Institute of Iron and Steel Japan)
AIST	(Association of Iron and Steel Technology, USA)
TMS	(The Minerals, Metals & Materials Society, USA)

Activities in Scientific Conferences

ICS 2005 (Int. Congress on Science and Technology of Steelmaking, USA), Member of int. Advisory Board
ECCC 2008 Riccione, Italy, Member of Scientific Committee
Molten Slags, Fluxes and Salts, Chile 2009, Member of Scientific Board
Molten Slags, Fluxes and Salts, Beijing, China 2012, Member of Scientific Board
ICS 2012 (Int. Congress on Science and Technology of Steelmaking, Dresden), Chairman of the Congress

Editorial Boards

steel research int. (Europe) Member of editorial board
steel grips (Germany) Member of scientific board
Metallurgia Italiana (Italy) Member of scientific board
Chernye Metally – Ferrous Metals (Russia) Member of editorial board
Metallurgical and Mining Industry (Ukraine) Member of Advisory board
The Iron and Steel Institute of Japan International (Japan) Member of Advisory Board

List of 5 Most Important Publications

1. Scheller, P.R.; Flesch, R.; Bleck, W.: Solidification Morphology and Microstructure Properties at Increased Cooling Rates of 18-8 CrNi Stainless Steel. *Advanced Engineering Materials* 1 (1999) No.3-4, S.209-214
2. Scheller, P.R.: Interfacial Phenomena between Fluxes for Continuous Casting and Liquid Stainless Steel. *Ironmaking & Steelmaking*, 2002 Vol. 29 No.2, pp 154-160
3. Weiß, A.; Gutte, H.; Scheller, P.R.: Deformation induced martensite formation and its effect on transformation induced plasticity (TRIP). *steel research International* 77 (2006), No 9/10, pp. 727-732
4. Kang, Y.; Sahebkar, B.; Scheller, P.R.; Morita, K.; Du, S.: Observation of Physical Growth of Nonmetallic Inclusion in Liquid Steel, *Met.Mat.Trans. B*, 42B (2011) pp522-534
5. Hagemann, R.; Schwarze, R.; Heller, P.; scheller, P.R.: Model investigation on the stability of the steel-slag interface in continuous casting process, *Met.Mat.Trans.B*, 43B (2012)

Patents

1. Weiß, A., Gutte H. und Scheller, P. R.: Austenitischer Leichtbaustahl und seine Verwendung, WO 002006 125412 A1, DE 102005 024 029 B3
2. Weiß, A., Gutte H. und Scheller, P. R.: Hochfester Austenitisch-martensitischer Leichtbaustahl und seine Verwendung, WO 0002007 000156 A1, DE 10 2005 030 413 B3
3. Weiß, A., Gutte, H. und Scheller, P. R.: Nichtrostender austenitischer Stahlguss und seine Verwendung, DE 10 2006 033 973 A1
4. Aneziris, Ch., Scheller, P., Biermann, H.: Composite material made of metal and ceramic, and method for production thereof, WO 2008/071184 A2
5. Weiß, A., Scheller, P., Jahn, A.: Parts made of austenitic cast iron having an increased carbon content, method for the production thereof, and use thereof, WO 2009/090231 A1