



# Awards



## Association-level Awards

The following individuals received 2008 AIST association-level awards during the President's Award Breakfast at AISTech 2008 in Pittsburgh, Pa. The event was hosted by AIST president Charles J. Messina (shown below, presenting each award), with a sell-out attendance of 1,260 AIST members and industry associates. Anthony R. Bridge, chair of the Awards and Recognition Program Committee, guided the award selection process. Descriptions of the awards are included in the 2009 call for nominations on page 125.



**Robert P. Soulliere**



**John H. Goodish**

### AIST William T. Hogan, S.J. Lecture Award

- **2008 Winner: Robert P. Soulliere**, president and chief executive officer, ThyssenKrupp Steel USA LLC, Mobile, Ala., USA

Robert P. Soulliere was appointed president and chief executive officer of ThyssenKrupp Steel USA LLC in February 2007. Soulliere is responsible for the project development of ThyssenKrupp's new \$3.7 billion U.S. steel and stainless steel processing plant. Once the plant is constructed, Soulliere will head its carbon steel operations. Soulliere most recently served as president and chief executive officer of automotive supplier ThyssenKrupp Budd Co. in Troy, Mich. In 2004, he was named president of ThyssenKrupp Budd's Body Sector, with responsibility for body stampings and plastics operations. In 2001, Soulliere was appointed president and chief executive officer of ThyssenKrupp Fabco, a supplier of metal stampings, stamped and tubular assemblies based in Windsor, Ont., Canada. He joined Fabco in 1978 and subsequently served in many different areas of the organization, including executive vice president and chief operating officer. Soulliere is a graduate of the University of Detroit's M.B.A. program.

### AIST Steelmaker of the Year Award

- **2008 Winner: John H. Goodish**, executive vice president and chief operating officer, United States Steel Corporation, Pittsburgh, Pa., USA

*"For his leadership in workplace safety, his commitment to world-class results and his diligence in managing the company's successful acquisitions and business integrations. Furthermore, his relentless and untiring work ethic and constant drive to be the best have been instrumental in expanding the global business platform of the United States Steel Corporation."*

John H. Goodish is a 1970 graduate of Waynesburg College (Pa.), where he earned a B.S. degree in business administration. Goodish joined U. S. Steel in 1970 as an accounting management trainee in Pittsburgh, and was promoted to junior auditor the following year. In 1973, he became supervisor of billing at the company's Irvine Plant and progressed through a series of accounting positions until 1977, when he was transferred to the accounting department at U. S. Steel's former Homestead Works. In 1982, he was promoted to general supervisor of line accounting at Clairton Works. Later that year, he moved to the Pittsburgh headquarters, where he served in a number of accounting and financial



**Rodney B. Mott**

positions. In 1984, Goodish transferred to Gary Works as accounting manager – mill analysis. Three years later, he was named division manager of coke and chemicals. In 1989, he became manager of operations services at Gary Works, and later that year was named division manager of the 84-inch hot strip mill at Gary Works. He became general manager of Mon Valley Works in 1990, and returned to Gary Works in 1994 as general manager. In 1996, he was named president of USX Engineers and Consultants Inc., now called UEC Technologies LLC. In 2000, he was appointed president of U. S. Steel Košice. In March 2003, he was named executive vice president – international and diversified businesses, and in June 2003, executive vice president – operations. He was promoted to his current position in 2005.

### **AIST Distinguished Member and Fellow Award**

- **2008 Winner: Rodney B. Mott**, formerly of Stelco Inc.

*“For his visionary leadership in pioneering thin-slab casting at Nucor, for resurrecting numerous steel companies and communities during the evolutionary formation of International Steel Group, and for his successful challenge to reorganize Stelco. This award also recognizes his exceptional guidance and support of AIST as an active member for more than 22 years, serving in the capacity of board director, president and foundation trustee, providing leadership to advance education initiatives and knowledge transfer for the greater benefit of the North American steel industry.”*

Rodney Mott has more than 30 years of management experience in the metals industry. He began his metals management career at the Fairless Works of U. S. Steel, where he held positions of increasing responsibility during a 14-year career. He entered the minimill steel business as a superintendent of operations for Lone Star Steel. He then joined Nucor as department manager for hot rolling as part of the team that built and started the first flat roll facility at Nucor. He advanced to the position of vice president/general manager of Nucor Steel, where he was responsible for the construction and start-up of Nucor’s two newest flat rolled steel mills. From 2000 to 2001, he was president and chief executive officer of Pechiney Rolled Products North America. From 2002 to 2005, Mott served as president and CEO of International Steel Group, representing the consolidated companies of Bethlehem Steel, LTV, Georgetown Steel and Acme Steel, among others. From 2006 to 2007, he was appointed president and CEO of Stelco Inc. during its court-supervised



**Walter Blejde**

restructuring. Mott left Stelco in October 2007 after completing the company’s sale to U. S. Steel. Mott holds a master’s degree in management science from Trenton State University and a B.S. degree in industrial engineering from Northeastern University. He has served or been recognized by AIST in the following areas: member since 1986, AISE board of directors (1996–1998), AISE president (1998), AISE Foundation trustee (1999–2003), AIST Steelmaker of the Year Award (2004) and the AIST Hogan Lecture Award (2004).

### **AIST Tadeusz Sendzimir Memorial Medal**

- **2008 Winners: Dr. Hisahiko Fukase**, manager — Development Dept., IHI Corp., Yokohama, Japan; and **Walter Blejde**, manager — strip casting, CASTRIP LLC, Charlotte, N.C., USA

*“For their dedication and vision to the development of the CASTRIP process over the last 18 years, instrumental in making it the first commercially viable carbon steel strip casting process.”*

Dr. Hisahiko Fukase started working in the field of twin-roll strip casting in April 1981, when he was appointed as leader of the IHI Strip Caster Project. This initial project, which focused on casting 100 kg heats of a range of carbon and stainless steels, succeeded at producing continuous strips of encouraging surface quality. In 1989, BlueScope Steel (then known as BHP Steel) and IHI formed a collaboration to expand the scale of twin-roll casting development; the joint effort became known as “Project M.” Walter Blejde was appointed project manager, and Dr. Fukase was designated the leader of the IHI support development team. A 5-ton pilot plant was constructed at Unanderra in Australia, where development work was initially focused on 304 stainless steel casting and then low-carbon steel strip casting. The successful work at the pilot plant led to the construction and commissioning of a 55-ton industrial-scale casting development facility for low-carbon steel at Port Kembla, Australia. This plant was commissioned in April 1995 and operated until the end of 1999. Strip casting achievements at this industrial-scale plant led to the formation in 2000 of CASTRIP LLC, which is owned by Nucor (47.5%), BlueScope Steel (47.5%) and IHI (5%). This collaborative effort yielded the construction and successful commissioning by Nucor of the world’s first commercial low-carbon steel strip casting plant in Crawfordsville, Ind. Nucor is constructing its second commercial steel strip casting plant in Blytheville, Ark. Between them, Fukase and



**Kent D. Peaslee**

Blejde have authored more than 60 separate patents. Fukase continues to direct IHI support work from Yokohama, Japan, while Blejde is employed by CASTRIP LLC as the director of technology.

### **AIST Brimacombe Memorial Lecturer**

- **2008 Winner: Kent D. Peaslee**, F. Kenneth Iverson Chair of Steelmaking Technology, Missouri University of Science and Technology, Rolla, Mo., USA

**Lecture Title: "Opportunities and Challenges in Steel Manufacturing – Engineering a Brighter Future"**

Dr. Peaslee is the F. Kenneth Iverson Chair of Steelmaking Technology and a Curators' Teaching Professor of Metallurgical Engineering at the Missouri University of Science and Technology (Missouri S&T), formerly the University of Missouri–Rolla (UMR). Prof. Peaslee, who is also the associate chair of undergraduate studies in the UMR Materials Science and Engineering Department, joined the UMR faculty in 1994. He was named a Curators' Teaching Professor of Metallurgical Engineering in 2006, and the F. Kenneth Iverson Chair of Steelmaking Technologies in 2007. He has received several teaching awards, including seven UMR Faculty Excellence Awards for research and teaching, 10 UMR Outstanding Teaching Awards, the Class of 1942 Excellence in Teaching Award from the MSM-UMR Alumni Association, the School of Mines and Metallurgy Dean's Teaching Scholar Award, and in 2007 the Governor of Missouri's Excellence in Teaching Award. Dr. Peaslee is a manufacturing and process metallurgist with research interests in waste and metals recycling, steelmaking, continuous casting, foundry optimization, metal-refractory interactions and environmental aspects of metal manufacturing. He earned a bachelor's degree in metallurgical engineering from the Colorado School of Mines in 1978 and worked for 13 years in a variety of technical and management positions in the steel industry, including Bayou Steel in La Place, La., Border Steel Mills in El Paso, Texas, Raritan River Steel in Perth Amboy, N.J., and CF&I Steel in Pueblo, Colo. He attended graduate school at UMR, where he earned a Ph.D. in metallurgical engineering in 1994. He has published more than 90 papers in technical journals and conference proceedings, mostly in the area of steelmaking and casting technology.



**Gordon A. Irons**

### **AIST John F. Elliott Lectureship**

- **2008 Winner: Dr. Gordon A. Irons**, director — Steel Research Centre, and Dofasco Professor of Ferrous Metallurgy, McMaster University, Hamilton, Ont., Canada

*"For his years of devotion to teaching metallurgy and its relation to new technology through research on electric arc furnace steelmaking and vacuum tank decarburization, gas and powder injection into metals for refining, calcium treatment of steel, recyclability of tin plate and mathematical modeling of electric smelting furnaces."*

**Lecture Title: "The Role of Process Metallurgy in Sustainability"**

Gordon Irons graduated with a degree in metallurgical engineering from University of Toronto. He subsequently obtained a Ph.D. in metallurgical engineering from McGill University. He was employed for one year at Noranda Research Centre. In 1980, he joined McMaster University. He served as the chair of the Department of Materials Science and Engineering from 1991 to 1994, and from 2002 to 2005. In 1996, he was appointed as the Dofasco/NSERC Industrial Research Chair in Process Metallurgy for a five-year term. In January 2001, this chair was converted to an endowed chair, the Dofasco Chair in Ferrous Metallurgy. Dr. Irons is currently the director of the Steel Research Centre at McMaster University. Dr. Irons also serves as secretary for the McMaster University Intensive Course on Blast Furnace Ironmaking, the McMaster University Intensive Course on Cokemaking, and the McMaster University Symposium on Ironmaking and Steelmaking. Prof. Irons is a fellow of the Canadian Institute of Mining and Metallurgy (CIM), and a member of AIST, TMS, ASM International, and the Professional Engineers of Ontario. Prof. Irons has won the Best Paper Award from the Canadian Metallurgical Quarterly twice, the Best Paper Award from the Non-Ferrous Pyrometallurgy Section of CIM, the John Chipman Award from the Iron & Steel Society, the Henry Marion Howe Award for the Best Paper in Metallurgical Transactions, and he delivered the AIST Howe Memorial Lecture in 2005.

### **AIST Benjamin F. Fairless Award (AIME)**

- **2008 Winners: Dr. Andrew Green, Dr. David Naylor, Dr. Ruth Hambleton and Ian Christmas**

*"For their dedication to the creation of steeluniversity.com, an innovative and universal steel education Web site which has become a valuable resource for the promotion of steel"*



**David Naylor**

*and steel education by introducing students of all ages to the many diverse attributes of steel."*

**Dr. Andrew Green**, MATTER project manager, University of Liverpool, Liverpool, United Kingdom

Andrew Green is the project manager of MATTER, based in the Department of Engineering at the University of Liverpool. He has been involved with the steeluniversity project since its pilot phase was set up by the IISI in 1999 and has been responsible for helping design, develop, host and maintain the Web site. Since then, he has also worked to extend the usage of the site worldwide by pioneering a method of delivering the rich, interactive e-learning content across multiple languages, including Spanish, Chinese and Korean. Green has a B.S. degree in metallurgy and materials from the University of Birmingham and a Ph.D. in the fatigue of aluminum alloys from the University of Cambridge. His prizes and distinctions include: winner of Best Educational Video/CD-ROM/CDi competition, EUROMAT 1997; European Commission award to aluMATTER for best practices supporting European cooperation in vocational education and training (2006); and the bronze medal for an outstanding project promoting and supporting the LifeLong Learning EU policy (aluMATTER) (2007).

**Dr. David Naylor**, project director – steeluniversity.org, International Iron and Steel Institute, Harlech, Wales

David Naylor studied metallurgy at the University of Leeds from 1964 to 1970, gaining a first-class honors degree, the Iron and Steel Institute Prize and a Ph.D. for research into the thermomechanical working of steel. He joined the British Steel Corp. (later to become Corus) at its Swinden Laboratories. His initial work was on the machinability of steel and the development of free cutting steels. In 1976, he was appointed manager of the Special Carbon Steels Department (later the Engineering Steels Department). His main achievement at this time was the development of air hardening microalloyed forging steels, which found many applications, some of which were patented. In 1979, he was promoted to research manager – special steel products, when his responsibilities expanded to include the development and market development of stainless steels, the fabrication of novel design concepts, physical metallurgy and the Library and Information Services. In 1996, he was appointed as university liaison manager for Corus. This role included graduate recruitment, mentoring and professional development of younger colleagues, sponsorship of numerous research projects in the U.K., and the development of an Internet e-learning resource for undergraduate students – www.steelmatter.org. In 2003,



**Ruth Hambleton**

he was appointed to IISI as project director of steeluniversity.org, to extend this concept of a highly innovative and prize-winning e-learning resource for students, graduates and engineers in the steel industry supply chain and their teachers and trainers. Beginning in 1990, he was chairman of the European Coal and Steel Community Executive Committee on Alloy and Engineering Steels. He is a chartered engineer and fellow of the Institute of Materials, Minerals and Mining, which awarded him the Thomas Medal in 1990 and the Hadfield Medal in 2005. Dr. Naylor retired from the steel industry in 2006.

**Dr. Ruth Hambleton**, project manager – steeluniversity.org, Brussels, Belgium

Dr. Ruth Hambleton has served as project manager for steeluniversity.org since March 2006. In this position, she is responsible for the continuing development of the www.steeluniversity.org project. Dr. Hambleton joined the International Iron and Steel Institute from Outokumpu Stainless Tubular Products, Sweden, where she was unit development manager at the Storfors Business Unit. Prior to this, she was responsible for the planning, implementation and evaluation of new product development trials at the Outokumpu Coil Products Division in Sheffield, England. Hambleton's previous positions have included senior metallurgist for ASR (wire rod producer) in Sheffield, project manager – heavy bar for Degerfors Stainless, Sweden, and research metallurgist for Avesta Sheffield R&D, Sheffield. Hambleton has a Ph.D. in high-temperature aluminum alloys and metal matrix composites from the University of Sheffield. She graduated from Oxford University with an master's degree in metallurgy.

**Ian Christmas**, secretary general, International Iron and Steel Institute, Brussels, Belgium

Ian Christmas is secretary general of the International Iron and Steel Institute, Brussels. An economist, he joined British Steel in 1970 as a graduate trainee and worked as a corporate planner. After a period as a member of the directing staff of Ashorne Hill Management College, he was appointed secretary to the Iron and Steel Sector Working Party at the National Economic Development office in 1978. From 1982 to 1991, Christmas worked for Foseco plc, initially responsible for technology and business development in its steel and foundry businesses, but subsequently as corporate strategy director for the Foseco Group. He joined the International Iron and Steel Institute (IISI) in 1991 as deputy secretary general and was appointed secretary general in 1998. He



**Kenneth E. Blazek and Oscar Lanzi**



**Stanley Sun**

is the secretary of IISI and a member of its board of directors and the executive committee. Christmas is a member of the Institute of Materials and a governor of Ashorne Hill Management College.

### Hunt-Kelly Outstanding Paper Award

- **2008 First Place Winners:** Dr. Kenneth E. Blazek, Oscar Lanzi III, Phil L. Gano and Dale L. Kellogg

*Paper title: "Calculation of the Peritectic Range for Steel Alloys."*

**Dr. Kenneth E. Blazek**, principal research engineer, ArcelorMittal Global Research and Development Laboratory USA, East Chicago, Ind., USA

Dr. Blazek earned his B.S. in material science from Purdue University, his M.S.E. in metallurgical engineering from the University of Michigan, and his Ph.D. in metallurgical engineering from Purdue University. He has spent 37 years in the steel industry as a research engineer since his graduation from Purdue with his Ph.D. The majority of the research has been in the area of the continuous casting of steel. Significant time has also been devoted to the following topics: electromagnetic containment for strip casting, steelmaking, ladle refining, and cold rolled motor lamination product metallurgy and development. The first 12 years of his career were spent at United States Steel, and the past 25 years have been spent with ArcelorMittal (formerly Inland Steel Co., Ispat Inland and Mittal Steel). Dr. Blazek has authored more than 60 technical papers, has been granted seven U.S. patents, and has received several awards and honors for his work in the steel industry.

**Oscar Lanzi III**, staff research engineer, ArcelorMittal Global Research and Development Laboratory USA, East Chicago, Ind., USA

Oscar Lanzi earned a bachelor's degree at the University of Akron (Ohio) and a master's degree and a Ph.D. at Case Western Reserve University (Cleveland, Ohio), all in chemical engineering. In 1989, Lanzi joined the Research Department at Inland Steel, which has now become a part of ArcelorMittal. Currently, he is a staff engineer in Global R&D at ArcelorMittal.

**Phil L. Gano**, practice engineer – casters, ArcelorMittal Burns Harbor, Burns Harbor, Ind., USA

**Dale L. Kellogg**, product control engineer, ArcelorMittal Burns Harbor, Burns Harbor, Ind., USA

- **2008 Second Place Winners:** Dongsheng Liao, Stanley Sun and Neal Pyke

*Paper title: "Mn Control at KOBM Steelmaking."*

**Dongsheng Liao**, steelmaking technology, ArcelorMittal Dofasco Inc., Hamilton, Ont., Canada

Dongsheng Liao graduated from Beijing University of Science and Technology, Beijing, China, with both bachelors and masters degrees in engineering. He completed a research degree at the University of Oulu, Finland. His industrial experience includes serving as a process engineer for Xinyu Iron and Steel Co. of China and Atlas Specialty Steels of Canada. Currently, Liao works as a steelmaking process specialist for ArcelorMittal Dofasco, working on process improvement projects for both the electric and integrated steelmaking routes.

**Stanley Sun**, research and development, ArcelorMittal Dofasco Inc., Hamilton, Ont., Canada

Stanley Sun graduated from Beijing University of Science and Technology, Beijing, China, with bachelors and masters degrees in engineering, and worked as assistant professor in the Department of Metallurgical Engineering from 1985 to 1988. After obtaining his Ph.D. in materials science and engineering at McMaster University, Hamilton, Ont., he worked as a process engineer at Atlas Specialty Steels, Canada, from 1996 to 1998, responsible for process control and improvement for EAF, LMF, VOD and VAD processes. He joined ArcelorMittal Dofasco in 1998, and currently serves as a principal researcher in the Research and Development Department. His research areas include EAF, KOBM/BOF, LMF, VTD and alternative ironmaking.

**Neal Pyke**, steelmaking technology, ArcelorMittal Dofasco Inc., Hamilton, Ont., Canada

Neal Pyke graduated with a material science and engineering degree from McMaster University. Upon graduation, Pyke started with Dofasco's steelmaking division and has taken on a number of different roles over the last seven years. He has worked as a production engineer on both the electric and integrated steelmaking streams, focusing on quality control, process capability, production improvements and cost reduction.



**Steve LaPray**

- **2008 Third Place Winners:** Dr. Seiji Nomura, Dr. Shinroku Matsuzaki, Dr. Masaaki Naito, Hiroyuki Ayukawa, Satoshi Koizumi, Yoshikuni Ogata, Takeshi Nakayama, Tetsuya Abe, Hisatsugu Kitaguchi, Toshihide Tahara

*Paper title: "Enhancement of Blast Furnace Reaction Efficiency Through the Use of Highly Reactive Coke."*

**Dr. Seiji Nomura**, chief researcher, Ironmaking Research & Development Div., Environment and Process Technology Center, Nippon Steel Corp., Chiba, Japan

**Dr. Shinroku Matsuzaki**, chief researcher, Ironmaking Research & Development Div., Environment and Process Technology Center, Nippon Steel Corp., Chiba, Japan

**Dr. Masaaki Naito**, general manager, Ironmaking Research & Development Div., Environment and Process Technology Center, Nippon Steel Corp., Chiba, Japan

**Hiroyuki Ayukawa**, manager – blast furnace plant, Hokkai Iron and Coke Corp., Hokkaido, Japan

**Satoshi Koizumi**, manager – coke plant, Hokkai Iron and Coke Corp., Hokkaido, Japan

**Yoshikuni Ogata**, superintendent – coke plant, Oita Works, Nippon Steel Corp., Chiba, Japan

**Takeshi Nakayama**, superintendent – blast furnace plant, Hokkai Iron and Coke Corp., Hokkaido, Japan



**Nagoor P. Prabhu**

**Tetsuya Abe**, executive director, Nittetsu Cement Co. Ltd., Hokkaido, Japan

**Hisatsugu Kitaguchi**, manager, Environment Management Div., Nippon Steel Corp., Chiba, Japan

**Toshihide Tahara**, general manager – coke plant, Ironmaking Dept., Kimitsu Works, Nippon Steel Corp., Chiba, Japan

### AIST Outstanding Chapter Awards

- **2008 Chapter With Greatest Percentage Increase in Total Membership:** The **San Francisco Member Chapter** increased its membership in 2007 from 150 to 181, representing an increase of 20.7%. **Anthony Proznick**, contract manager, USS-POSCO Industries, is the current chair. **Steve LaPray**, Industrial Maintenance Services Inc., accepted the award on behalf of the San Francisco Member Chapter.
- **2008 Chapter With Greatest Numerical Increase in Total Membership:** The **Midwest Member Chapter** increased its membership in 2007 from 1,274 to 1,365, representing an increase of 91 members. **Nagoor P. Prabhu**, manager – steelmaking technology primary operations, ArcelorMittal Indiana Harbor, is the current chair.

### 2007–2008 Awards and Recognition Program Committee

The committee was comprised of the vice chair (or designate) from each of the 11 Technology Divisions, and chaired by the first Officer-at-Large of the Executive Committee.

**Anthony R. Bridge** (chair), Executive Committee Officer-at-Large, vice president – operations, East, United States Steel Corporation

**Iron Producing Technology Division:** **Michael H. Best**, senior research engineer, U. S. Steel Research and Technology Center

**Electric Steelmaking Technology Division:** **Harriet G. Dutka**, assistant manager, Melting, CMC Steel South Carolina

**Oxygen Steelmaking Technology Division:** **Richard A. Browning**, business development director, Praxair Inc.

**Continuous Casting Technology Division:** **Paul Rasmussen**, improvement coach – steelmaking, ArcelorMittal Dofasco Inc.

**Rolling and Finishing Technology Division:** **Daniel W. Elwood**, quality manager, ArcelorMittal Burns Harbor

**Process Metallurgy and Product Applications Technology Division:** **Brian D. Nelson**, manager – flat rolling research and development, ArcelorMittal Dofasco Inc.

**Process Control and Automation Technology Division:** **Barry W. Brusey**, process sensor consultant, ArcelorMittal Dofasco Inc.

**Material Handling and Facilities Technology Division:** **Charles A. Totten**, national accounts manager – integrated steel mills, P&H Morris Material Handling LLC

**Maintenance and Reliability Technology Division:** **Scott M. Mills**, lead maintenance supervisor, Nucor Steel–Decatur

**Project and Plant Management Technology Division:** **Thomas Ondrey**, senior project engineer, United States Steel–Mon Valley Works

**Safety, Energy and Environment Technology Division:** **W. Ray Sims**, manager – environmental, Nucor Steel–Berkeley