

## IRON AND STEEL SOCIETY ANNUAL REPORT FOR 2014

### 1. Board membership

We were very pleased to welcome Joe Lee from Siemens and Martin Brunnock from Tata Steel onto the committee in 2014. Ian Christmas left the committee in October – Ian was a great supporter of the committee, and will hopefully continue to be involved in the future activities of the society.

### 2. Board meetings

Four board meetings were held in 2014. January 22nd at 1CHT, Tata Steel Teesside Technology Centre on the 15th April, July 2<sup>nd</sup> at the University of Birmingham, and the 17<sup>th</sup> of November at 1CHT. Attendance at all of these meetings was at least 75%. Dr Geoff Hale acts as Coordinator to the division.

### 3. Activities during 2014

#### 3.1. Technical programme

The technical programme for 2014 was again very successful. In September, the European Steel Environment and Energy Congress was held at the University of Teesside in Middlesbrough. This event, organized in partnership with the Sustainable Development Group of the IOM3, comprised of 3 separate international conferences focused on the steel industry and the challenges associated with environment and energy of both process and product. The aim of the congress was to set out some of the present and future challenges facing the industry and propose solutions in areas such as material efficiency, supply chain management, raw materials and product utilization. This event attracted over 150 attendees, who listened to around 60 presentations over the 3 days of the event. An excellent conference dinner was held at Middlesbrough FC.

The second series of Steel Strategy Seminars was launched in November at the Advanced Manufacturing Park in Rotherham. The success of the 5 events that made up the first series was such that a second series focusing on Product Development, Competitive Materials, the UK Innovation Landscape, and Sustainability was put together, following the same format of one-day, low cost events at 6 monthly intervals aimed at broadening the understanding of managers and graduates in the steel industry. The first event set the scene for the remaining seminars, and the second event in the series, will be held in South Wales in April 2015 on the theme of Product Development. Special mention should go to Bob Ruddlestone and his team for continuing to champion these events and putting together such diverse and stimulating programmes.

In October, the Annual Bessemer Masterclass and Dinner was held in London and featured the Bessemer Lecture entitled *Development of Steel Continuous Casting Process in Japan - Is H. Bessemer's Dream Come True?* given by Dr Hiroshi Tomono of Nippon Steel and Sumitomo Metal Corporation. Louis Brimacombe, Head of Environmental Technology at Tata Steel Europe, and this years Hadfield Medal winner delivered a Masterclass on Sustainability and Life Cycle Thinking on the day, attended by about 20 recent graduates or current students. Feedback from this event, as always was very positive.

### **3.2. Web-site developments**

No major developments in 2014, although the society is looking forward to the planned redesign and relaunch of the Institutes webpages and the opportunities for improving web based interaction and dissemination that this will bring.

### **3.3. Engagement with technical community and/or local societies**

The board continues to have close involvement with many local societies such as the SMEA, the CIE, the LISI and the SWMA. In addition, the society maintains close links with other divisions and committees within IOM3, notably the bulk metalforming committee, the automotive applications group, the casting division, and the sustainable development group. The division also looks forward to discussing potential joint events with other suitable groups within IOM3 and beyond.

### **3.4. Contributions to IOM3 house journals**

The society's primary contribution is to Ironmaking and Steelmaking. Both the executive and assistant editors of this journal sit on the board, along with a representative from the publishers, Maney. Many of the board members are also members of the editorial board, and act as reviewers, and contributors. The number of submissions to Ironmaking and Steelmaking rose again in 2014, and the number of issues was increased from 8 per year to 10 per year, which will help to accommodate the increased number of submissions and also to reduce the time from acceptance to printed publication. Board members have also been active in contributing to other in-house journals.

## **4. Strategy and Objectives for 2015 and Beyond**

- To deliver an excellent, varied and inclusive technical programme.
- To ensure maximum possible attendance at meetings by offering an opportunity to participate via web conferencing or similar technologies.
- To work to ensure the continued success of Ironmaking and Steelmaking and Steel World.
- To continue to ensure that the board is fully representative of the wider technical community of iron and steel.
- To continue to promote the activities of the division to a wider audience through links with local societies and other divisions of IOM3.
- To increase the profile of the Iron and Steel Society at international level.

### **Outline plans for the 4 years beyond 2015**

- To work with IOM3, local societies and other stakeholders to ensure that the profile of the Iron and Steel Society is raised amongst school pupils, university students and recent graduates.
- To consolidate and develop existing links with other international Iron and Steel Societies and to develop a strategy which will allow us among other things to successfully deliver future events in partnership with these organisations.

## **5. Other matters**

None to report

## Appendix: Technical Programme as of December 2014

<b>Date (YY/YY/MM)</b>	<b>Status (Held /Progressing /Planned)</b>	<b>Title</b>	<b>Location</b>	<b>Organising Division(s) /Committee(s) /Collaborators</b>	<b>Financial Underwriter (IOM3/ Local/ Other)</b>	<b>100% Target No's</b>	<b>Actual No's</b>
September 2014	Held	ESEC 2014	Middlesbrough	ISS/SDG	IOM3	Approx . 120	150
November 2014	Held	Steel Strategy Seminar 6	AMP, Rotherham	ISS	IOM3		60
November 2014	Held	Bessemer Masterclass and Dinner	1CHT	ISS	IOM3		80
April 2015	Progressing	Steel Strategy Seminar 7	Port Talbot	ISS	IOM3	60	
October 2015	Planned	Bessemer Lecture, Masterclass and Dinner	TBC	ISS	IOM3		
Q4 2015	Planned	Steel Strategy Seminar 8	TBC	ISS	IOM3		
2017	Planned	European Continuous Casting Conference	TBC	ISS	TBC	TBC	
2018	Planned	International Conference on Ingot Casting, Rolling and Forging	TBC	ISS	TBC	TBC	