



Final Programme

Qingdao,
China
9 - 11 July
2025

Table of contents

Welcome	4
Programme-Day 1	5
Programme-Day 2	9
Programme-Day 3	11



Welcome

Dear all,

I am very happy to invite you to worldsteel's 2025 Life Cycle Assessment Conference taking place in the Huanghai Hotel in Qingdao from Wednesday 9th July – Friday 11th July. The Conference is jointly organized by World Steel Association and HBIS Group, and is hosted by Dahe Metal.



This conference focuses on the life cycle assessment (LCA) of steel products and the systematic innovation of the value chain, aiming to promote the green transformation of the steel industry, efficient resource utilization, and the coordinated innovation and development of the upstream and downstream of the value chain. By integrating LCA with the value chain system innovation, it strives to contribute to achieving the “dual carbon” goals and sustainable development.

This conference will invite experts, scholars, leading enterprises, research institutions, policymakers, and representatives from related enterprises in the domestic and international steel industry to jointly discuss the innovative practical applications of life cycle assessment and how it can assist in the scientific carbon reduction and sustainable development of the industrial chain.

I sincerely look forward to your presence in Qingdao to jointly explore the life cycle assessment of the steel industry and the collaborative innovation of the industrial chain with global industry peers, and to build a future path of scientific and sustainable development together!

ZHONG SHAOLIANG
钟绍良

Frank (Shaoliang) ZHONG
Deputy Director General, worldsteel

Programme

Wednesday, 9 July 2025

Keynote Speech

Moderator : Frank ZHONG, Deputy Director General, worldsteel

09:00 Call for meetings (antitrust safety)

Frank ZHONG, Deputy Director General, worldsteel

09:10 Welcome remarks

LIU Jian, Chairman, HBIS Group

09:20 Welcoming remarks

LIU Andong, Vice-Chairman, China Iron and Steel Association (CISA)

09:30 Welcoming remarks

LI Huagang, Vice President, Haier Group

09:40 Open remarks & Keynote speech 1

Sustainable development and common measurements in the global steel industry

Edwin BASSON, Director General, worldsteel

10:10 LCA plus introduction

WANG Yuhui, Strategy Director, HBIS Group

10:25 Release ceremony

worldsteel, CISA, HBIS Group & Haier Group

10.30 Group photo & coffee break

- 10.50

Keynote speech 2 :

Global trade and sustainable steel: building a sustainable future for industrial value chains

Jean-Marie PAUGAM, Deputy Director General, World Trade Organization
- 11:00

Keynote speech 3 :

Measuring sustainability: building credible life cycle pathways for steel decarbonisation

Clare BROADBENT, Head of Sustainability, worldsteel
- 11:20

Keynote speech 4 :

Haier’s innovative practices: driving sustainable development through green innovation

LI Yang, Vice President, Haier Smart Home
- 11:40

Keynote speech 5 :

Driving the value realization of green steel products through whole industrial chain collaborative innovation

TIAN Jinglei, Director of the Sustainable Development Research Center, HBIS Group
- 12.00

Lunch

- Session 1 : LCA in Construction Sector

Moderator : WANG Yuhui, Strategy Director, HBIS Group
- 13:30

LCA in global low-carbon construction and steel structure development

Terrence BUSUTTIL, Director, constructsteel
- 13:50

Embodied carbon emissions in Australia’s built environment

Nicole SULLIVAN, Impact Director, thinkstep-anz
- 14:10

Steligence@ LCA construction

Olivier VASSART, Steligence® CEO, ArcelorMittal
- 14:30

LCA-based steel design solutions for building applications

Tackjun LEE, Doctor, POSCO Steel Solution Institute
- 14:50

Coffee break
- 15:10

Low-carbon steel procurement in construction

John HAFFNER, Deputy Director of Sustainability, Hang lung Properties
- 15:30

Innovation of zero carbon construction

CHEN Tao, Deputy Director of Innovation Research and Development Institute, CSCEC Science & Industry
- 15:50

Innovation application of coated steel in construction decarbonation

GUO Qiang, General Manager, Dahe Metal
- 16:10

Coffee break

16:30 Panel discussion :

Chaired by Clare BROADBENT, Head of Sustainability, worldsteel

- Nicole SULLIVAN
Director of Environmental Impact Programs, thinkstep-anz
- John HAFFNER
Deputy Director of Sustainability, Hang Lung Properties
- Prof. Dr. Matthias FINKBEINER, TU Berlin
- GUO Wujun
Senior Deputy Chief Engineer, DEEPAL

17:30 Close of Day 1

Frank ZHONG, Deputy Director General, worldsteel

18:30 Welcome Dinner



Programme

Thursday, 10 July 2025

09:00 Call for meetings Day 2 (antitrust safety)

Frank ZHONG, Deputy Director General, worldsteel

Session 2 : LCA in Automotive Sector

Moderator: LIU Yinghao, Technical Director, China Baowu

09:10 The development of LCA in the automotive sector

Russ BALZER, Technical Director, WorldAutoSteel

09:35 The low-carbon strategy of Deepal automobiles for the steel used in the vehicle body

GUO Wujun, Senior Deputy Chief Engineer, DEEPAL

10:00 LCA in policy

Prof. Dr. Matthias FINKBEINER, TU Berlin

10:25 Coffee Break

10:45 Progress of PCR research in automotive industry

YAO Juanjuan, Director, Swedish Environmental Research Institute

11:10 Automotive industry chain low-carbon technology & carbon emissions verification

JIA Yanmin, Director, China-SAE

11:35 Using LCA to support the automotive decarbonation

ZHONG Yong, Chief Researcher, Baowu Group

12:00 Lunch

Session 3 : LCA database & platform development
Moderator: Ping Yang, LCA Expert, worldsteel

- 13:30

Global steel LCI database development

Lain MILLAR, Consultant Life Cycle Assessment, worldsteel
- 13:55

Chinese LCA database and platform development

YANG Hang, Research Associate, Tsinghua University
- 14:20

WesCarber® LCA digital platform development and application practices

MIAO Haitao, Executive Deputy General Manager of Beijing Yingtan Technology Development Co., Ltd.
- 14:45

Coffee break
- 15:05

LCA platform for mining and steel

CAO Xiaoming, Module Chief,Baotou Iron and Steel Group
- 15:30

LCA and green mining

ZHANG Li, Technical Manager of Northern Region, Vale
- 15:55

China's carbon footprint theory, methods, standard system and data development

LI Mingyang, Post-doctor, Beijing University of Technology
- 16:20

Close of Day 2

Frank ZHONG, Deputy Director General, worldsteel

18:00 Dinner

Programme

Friday, 11 July 2025

Plant tour

- 08:50

Gathering at hotel lobby
- 09:00

Driving to Dahe Metal & Haier Group
- 09:30

Plant tour

HBIS Group Dahe Metal

Haier Group
- 12:00

Back to hotel



World Steel Association

Avenue de Tervueren 270
1150 Brussels
Belgium

T: +32 (0) 2 702 89 00
F: +32 (0) 2 702 88 99
E: steel@worldsteel.org

C413 Office Building
Beijing Lufthansa Center
50 Liangmaqiao Road
Chaoyang District
Beijing 100125
China

T : +86 10 6464 6733
F : +86 10 6468 0728
E : china@worldsteel.org

worldsteel.org

